



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32024

Entry Year 2027

Acreage: 1,886

County: Marquette

Management Area: Menominee-Marquette

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**Stand Examiner:** Sean Fischer

**Legal Description:**

T44N R24W Section(s) 19, 30, 31

**Identified Planning Goals:**

To maintain and enhance the sustainability of the forest and its associated communities.

**Soil and topography:**

Level swamps and wetland drainages with a small amount of gently rolling uplands.

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

Mainly State owned with a few private hunting camps.

**Unique Natural Features:**

Large lowland conifer swamps in the north part of the compartment are a part of the Cyr Swamp (Sawmill Creek Complex PLU).

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

None identified

**Special Management Designations or Considerations:**

Potential for eagle, osprey, and great blue heron rookery. Potential for red-shouldered hawk and northern goshawk. Potential for moose and wolf. Potential for wood turtle. Potential for calypso orchid, Ram's-head orchid, and rayless mountain ragwort in mixed conifer swamps. Potential for auricled tway-blade, western dock, Farwell's water-milfoil, alternate leaved water-milfoil and linear-leaved gentian along riparian areas.

**Watershed and Fisheries Considerations:**

This compartment contains Sawmill Creek and Mud Creek. Sawmill Creek and Mud Creek are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from of 65.7 to 68.0°F (cold to cool streams). 300-ft buffers are recommended for Sawmill Creek and Mud Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone 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 Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, 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 an end moraine of medium-textured glacial till and peat and muck. There is insufficient data to determine the glacial drift thickness (~10-100+ feet). The Ordovician Prairie du Chien Group and Cambrian Trempealeau Formation subcrop below the glacial drift. These formations could be used for stone. A quarry is located four miles to the east. There are no gravel pits in the area, but there is potential on the uplands. Abandoned iron mines are located four miles to the northwest. This State land has not been previously leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

County Road RM, a poor gravel road, and the Swampbuck Road, a poor dirt State-maintained road provide limited access to the south portion of the compartment. Also restricted access through private lands via Parker Spur, another poor dirt State-maintained road.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

Mainly hunting and fishing, although some berry picking, wildlife viewing is available.

**Fire Protection:**

Low fire risk area, although suppression activities would be severely hampered, due to lack of roads and access.

**Additional Compartment Information:****The following reports from the Inventory are attached:**

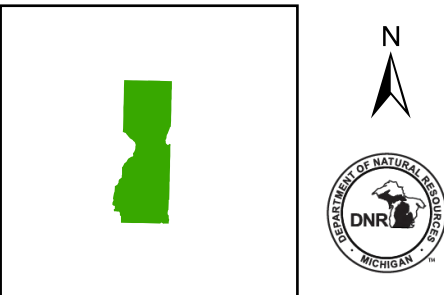
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

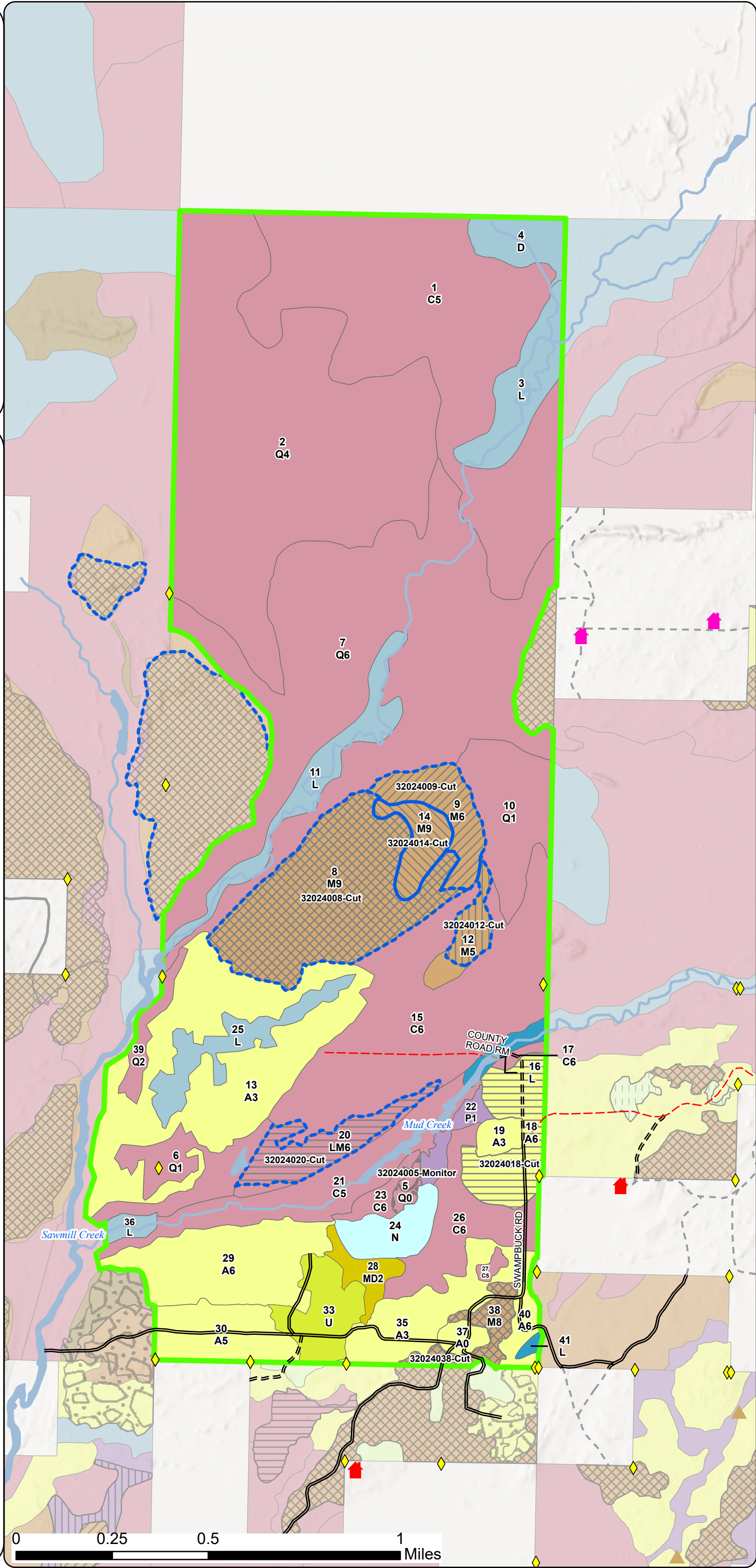
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

**Cover Type & Treatments Map**

Compartment: 32024  
T44N R24W Sections 19, 30, 31  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
Acres: 1,886.30 GIS Calculated  
Examiner: Sean Fischer  
Date Exported: 12/15/2025  
Map Phase: Post Review



- Survey Grade Corners
- Berm
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Shelterwood
- Thinning
- Other Harvest - See Comments
- Monitoring - Regeneration
- Clearcut
- Selection
- Shelterwood
- Thinning
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland



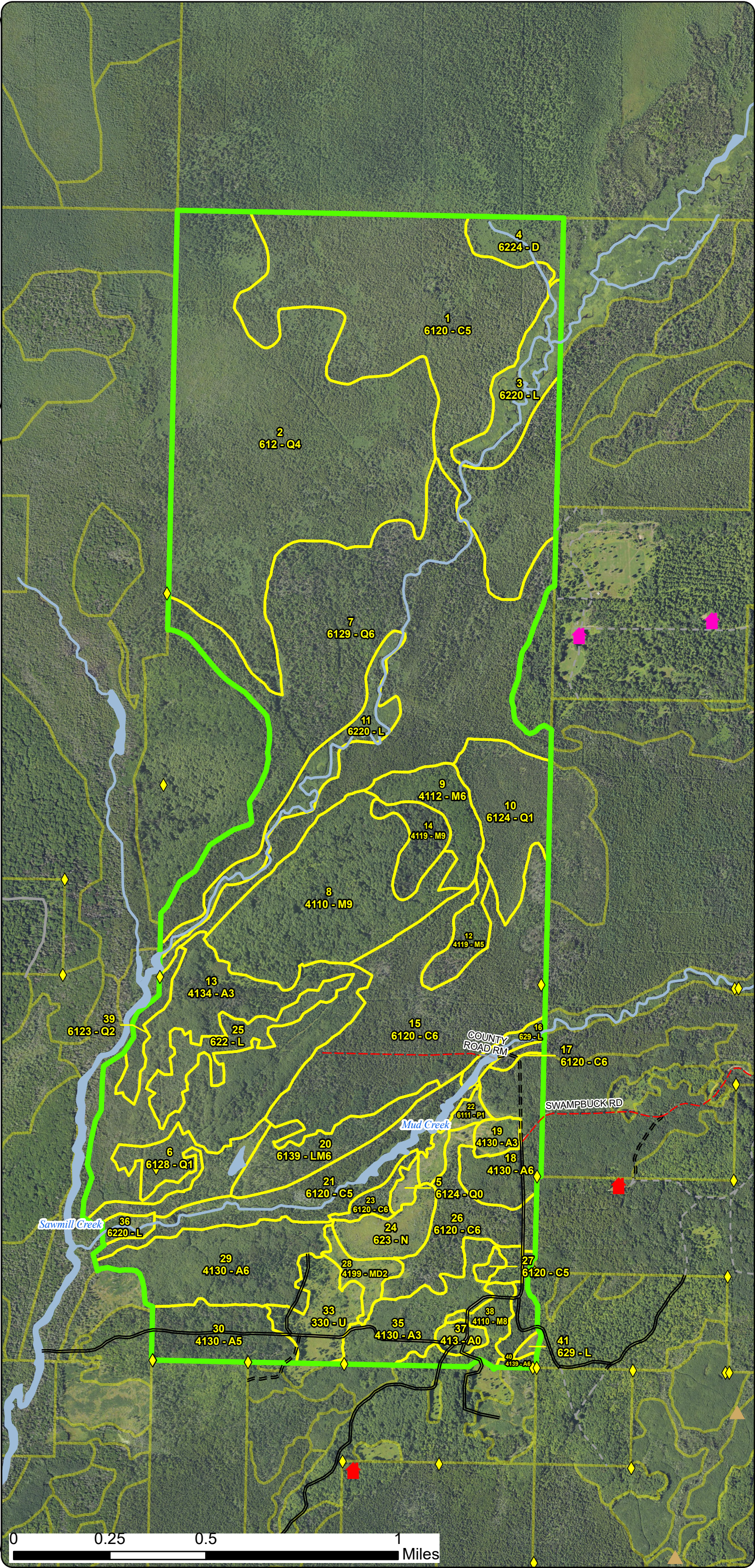


Stand Boundary  
Map

Compartment: 32024  
T44N R24W Section(s) 19, 30, 31  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
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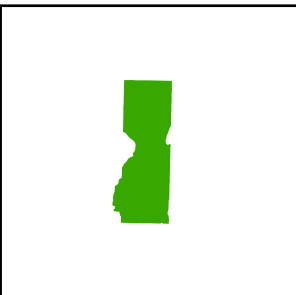
- Survey Grade Corners
- Berm
- Compartment Boundary
- Stand Outline
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
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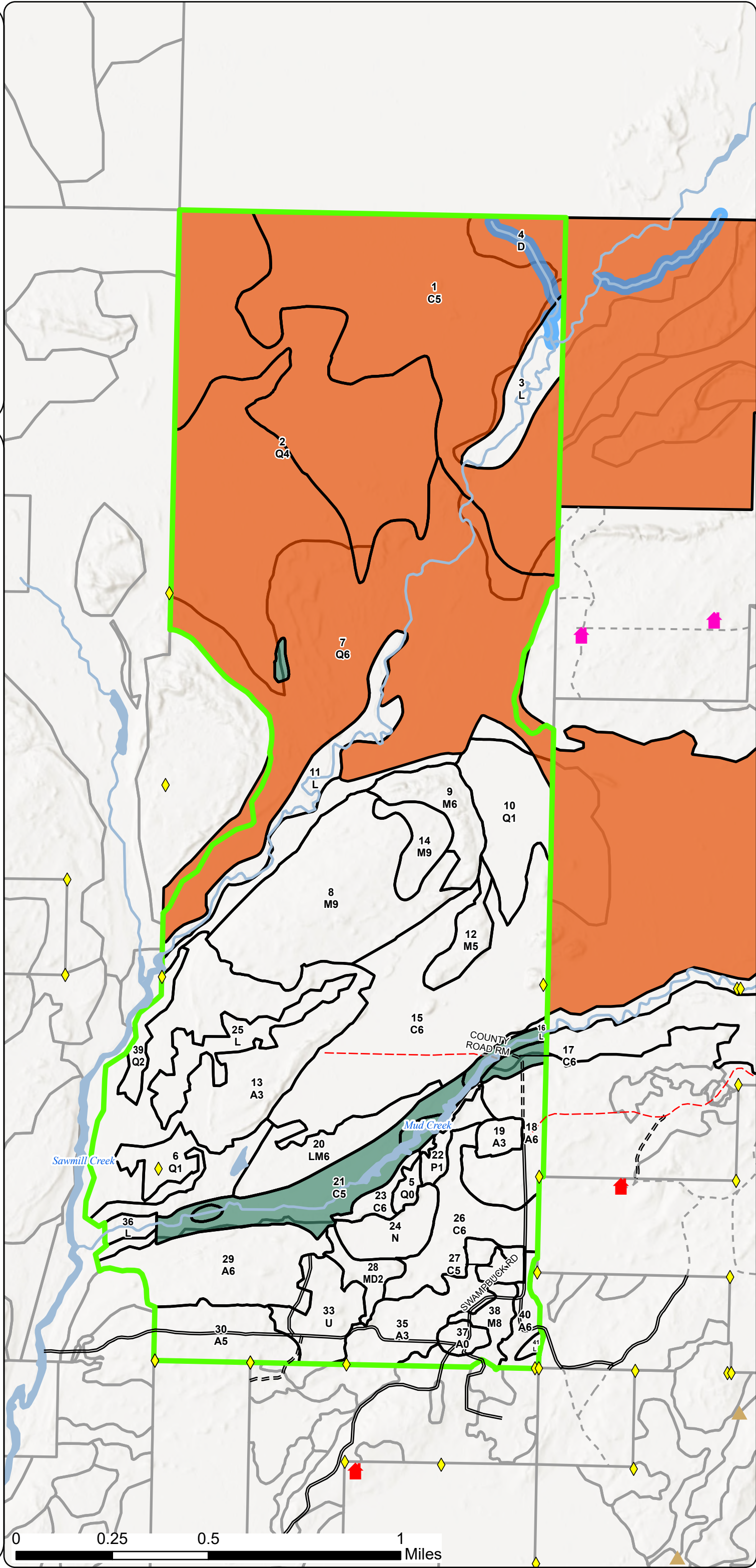


Special Conservation Areas  
& Site Conditions Map

Compartment: 32024  
T44N R24W Section(s) 19, 30, 31  
County: Marquette  
Unit: Gwinn  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
Acres: 1,886.30 GIS Calculated  
Examiner: Sean Fischer  
Date Exported: 12/15/2025  
Map Phase: Post Review



- Survey Grade Corners
- Berm
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool
- Other Habitat Area



0 0.25 0.5 1 Miles

# 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	6	7	38	10	255	0	0	0	0	0	0	0	0	0	0	0	0	0	316
Cedar	0	0	0	0	0	0	0	0	0	0	41	3	7	0	434	0	0	0	485
Low-Density Trees	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	4	0	0	0	42	45	0	0	0	0	0	0	0	304	0	297	0	0	692
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	29
Lowland Shrub	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	122	177
Treed Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>177</b>	<b>27</b>	<b>38</b>	<b>10</b>	<b>297</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>3</b>	<b>36</b>	<b>304</b>	<b>434</b>	<b>297</b>	<b>0</b>	<b>122</b>	<b>1886</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 24  
Total Compartment Acres: 1,886

Commercial Harvest - 98  
Harvests with Site Condition - 368  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	35	0	0	0	0	0	0	0	0	35
Lowland Mixed Forest	26	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	122	0	0	10	25	0	0	0	173
Total	61	122	0	0	10	25	0	0	0	234

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	234	0	0	0	0	0	4	0	0	238
Next Step	0	0	0	0	0	0	234	0	0	234
Total	234	0	0	0	0	0	238	0	0	473



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>5</b>	<b>32024005-Monitor</b>	4.0	6124 - Lowland Spruce-Fir	0	5		Monitoring	Monitoring - Regeneration	4134 - Aspen, Spruce/Fir	Planting Record	No
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Prescription Monitor again at reinventory for regeneration success. Stand needs more time

Specs:

Next Step

Treatments:

Acceptable Spruce, fir, paper birch, yellow birch, aspen spp., balsam poplar, black cherry, cedar, red maple

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

<b>8</b>	<b>32024008-Cut</b>	107.4	4110 - Sugar Maple Association	9	100	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Mark stand to 70-90 BA residual to encourage development of quality regeneration. Follow complete marker. Leave legacy trees (trees

Specs: >26inches dbh), wildlife-quality cavity trees. Favor retention of yellow birch, elm, basswood. Leave some wind firm white

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Regen:

Other Will need bridge over Mud Creek. Winter only access

Comment:

Site Condition: Portable Bridge Needed

Proposed Start Date: 10/01/2026

<b>9</b>	<b>32024009-Cut</b>	24.9	4112 - Maple, Beech, Cherry Association	6	97	141-170	Harvest	Thinning	411 - Northern Hardwood	Planting Record	No
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Prescription Even aged thinning to encourage crop trees. Thin to 80-100 BA, target of 90, focusing on improving the best quality stems, following the standard order of removal. Mark for operability. Favor retention of yellow birch, hemlock, spruce, basswood, and black

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Regen:

Other Winter only access

Comment:

Site Condition: Portable Bridge Needed

Proposed Start Date: 10/01/2027





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
12	32024012-Cut	10.2	4119 - Mixed Northern Hardwoods	5	90	51-80	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
<u>Prescription</u> Establishment cut of shelterwood system. Cut all live trees to 2 inches diameter regardless of merchantability except reserve all hemlock, yellow birch, cedar. Leave tree mark to 30-50 total residual BA, favoring retention of wildlife-quality large diamet <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red maple, sugar maple, spruce, yellow birch, basswood, oak, aspen, white birch, cedar, hemlock, <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Portable Bridge Needed <u>Proposed Start Date:</u> 10/01/2026											
14	32024014-Cut	16.2	4119 - Mixed Northern Hardwoods	9	90	111- 140	Harvest	Other Harvest - See Comments	411 - Northern Hardwood	Current	No
<u>Prescription</u> Cut all merchantable spruce, fir, white birch, and aspen, except for trees marked with green paint. Mark other species in orange for equipment operability only if needed. Green tree some healthy windfirm spruce. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Sugar maple, basswood, red maple, cedar, hemlock, yellow birch, white birch, spruce, aspen, oak. <u>Regen:</u> <u>Other</u> Harvest will function as a sts and a thinning to promote current hardwood pole timber and encourage northern hardwood regeneration. <u>Comment:</u> <u>Site Condition:</u> Portable Bridge Needed <u>Proposed Start Date:</u> 10/01/2026											
18	32024018-Cut	35.1	4130 - Aspen	6	35	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees to 2 inches dbh, except do not cut northern white cedar. Additionally, create 1 drumming log for every five acres. The log should be between 9-15 inches in diameter and 8ft long, laying adjacent to it's stump. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, balsam poplar, red maple, fir, spruce, cedar, black cherry, basswood, sugar maple <u>Regen:</u> <u>Other</u> Stand will need 2-10% retention. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
20	32024020-Cut	26.2	6139 - Mixed Lowland Forest	6	116	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
<u>Prescription</u> Cut all stems meeting 2.2 utilization, except do not cut cedar, hemlock, yellow birch, or trees marked with green paint. Treatment acreage may differ significantly due to low wet ground.Green tree some healthy tamarack and larger paper birch. Use den <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> red maple, paper birch, black spruce, tamarack, fir, cedar, aspen, fir, balsam poplar <u>Regen:</u> <u>Other</u> Recommended optional payment unit <u>Comment:</u> <u>Site Condition:</u> Portable Bridge Needed <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
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**Approved Treatments:**

38	32024038-Cut	14.3	4110 - Sugar Maple Association	8	100	51-80	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Mark stand to 70-90 BA. Maintain older canopy gaps that are growing in while creating new ones to establish/release regeneration. Remove <u>Specs:</u> all merchantable spruce/fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, black cherry, and <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> northern hardwood <u>Regen:</u> <u>Other</u> Do not mark below target in areas with lighter BA. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2020											

Total Treatment  
Acreage Proposed: **238.3**



## Report 4 – Site Conditions



### Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

### Dominant Site Conditions

					2D	2G	2H	3J	5A	5D	5E
316	316	0	0	Aspen							
436	2	0	434	Cedar			155	108	171		
26	26	0	0	Low-Density Trees							
9	9	0	0	Lowland Aspen/Balsam Poplar							
608	14	0	594	Lowland Conifers		26	69	154		344	
29	0	26	3	Lowland Mixed Forest	26						3
103	103	0	0	Lowland Shrub							
19	19	0	0	Marsh							
11	11	0	0	Mixed Upland Deciduous							
177	15	159	4	Northern Hardwood	159						4
19	19	0	0	Treed Bog							
1,753	534	185	1,035	Total Forested Acres	185	26	225	263	171	344	7
	30%	11%	59%	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)	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Part of buffer of Mud Creek.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	218	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer : Examiner

Compartment: 24  
Year of Entry: 2027



4	Unavailable	5A: Not able to obtain desirable regeneration	32	3J: Water quality/BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b> Includes buffer of intermittent stream within stand which drains beaver dam to the south. Also includes bmp buffer of Mud Creek.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	2D: Portable bridge needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wet failed portion of larger surrounding aspen stand. Need bridge over mud creek to the south to access stand.							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	5D: Unproductive forest land	299	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer : Examiner

Compartment: 24  
Year of Entry: 2027



10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	155	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	4	2D: Portable bridge needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5D: Unproductive forest land	45	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5A: Not able to obtain desirable regeneration	139	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is blocked by Sawmill Creek to the South, very wet cedar to the north, and wet beaver flooded area to the west							



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
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Year of Entry: 2027



16	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	107	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Need to check areas to seat bridge when the snow is off. May be a place for a bridge near western-most edge of compartment.							
17	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Need to check areas to seat bridge when the snow is off. May be a place for a bridge near western-most edge of compartment.							
18	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Need to check areas to seat bridge when the snow is off. May be a place for a bridge near western-most edge of compartment.							
19	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Part of buffer of Mud Creek.							

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
Comments				





10

MICHIGAN

10

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
1	6120 - Lowland Cedar	Poletimber Medium	233.2	138	51-80	N/A	Smaller diameter cedar within tagalder. Some scattered spruce, tamarack. Soils are Carbondale and Tawas mucks. Part of Cyr Swamp.SF 2025: Confirmed last inventory data.																																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>2</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Northern White Cedar</td><td>96</td><td>Pole/Sapling</td><td>5</td><td>138</td></tr><tr><td>Tamarack</td><td>2</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	2	Sapling/Pole	4		Northern White Cedar	96	Pole/Sapling	5	138	Tamarack	2	Pole/Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	5 - 10 feet																																															
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Black Spruce	2	Sapling/Pole	4																																																																											
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Tag Alder	High	5 - 10 feet	5 - 10 feet																																																																											
2	612 - Lowland Coniferous Forest	Poletimber Poor	303.9	127	1-50	N/A	Lower stocking than adjacent cedar stand - more tagalder and intermittent drainages. Soils are Carbondale and Tawas. Part of Cyr Swamp.																																																																							
3	6220 - Alder/Willow	None	32.5			No	Lowland brush/tagalder containing Sawmill Creek.																																																																							
4	6224 - Treed Bog	None	19.1			No	Mainly spruce, cedar. Part of Cyr Swamp.SF 2025: Tamarack seen on imagery as well.																																																																							
5	6124 - Lowland Spruce-Fir	Unspecified	4.0	5			Sf 2025: Cut portion of stand 23, cut around 2020. OPIC - FMD: WELL-STOCKED 3-STICK B,SPRUCE. LEAVE FOR BUFFER ALONG CREEK																																																																							
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6	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Poor	31.5	33	1-50	N/A	"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992. Scattered conifers.SF 2025: Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, not very dense. Contains large beaver dam and flooded opening in the southeast. Contains buffer to Mud Creek.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
18	4130 - Aspen		Poletimber Well	35.1	35	81-110	N/A	"Swampbuck Aspen" sale #002-87 - cut sp/su 1989 with C. 25 to the east. A 1 acre patch of hardwood was retained within stand. Ground cover of trillium, hazel, rasperry noted.SF 2024: Great quality upland aspen stand, approaching its peak quality early.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	4	Pole	7	35	Balsam Fir	Medium		Variable	Variable
	Quaking Aspen	85	Pole/Sap/Log	8	35	Black Cherry	Low		10 - 20 feet	10 - 20 feet
	Balsam Poplar	5	Sapling/Pole	4	35	Hazelnut (Spp.)	Low		5 - 10 feet	5 - 10 feet
	Balsam Fir	3	Sapling/Pole	4		Maple (spp.)	Low		10 - 20 feet	10 - 20 feet
	White Spruce	2	Sapling	3	35	White Spruce	Low		Variable	Variable
	Northern White Cedar	1	Pole	7						
	4130 - Aspen		Sapling Well	6.6	5	Immature	N/A		Cut around 2019.Stand is in decline - blowdown large white spruce, dead aspen and fir. Harvest now. Trace hardwoods from early 30's stand. Trace elm. Transitions into lower ground with more paper birch, spruce. SF 2025: Well stocked aspen stand. Upland with lowland patches. In some lowland patches, especially those which experienced some rutting last entry, aspen is not regenerating, cattail and rubus spp. occupy these areas.	
Canopy Species	% Cover	Size Class	DBH	Age						
Red Maple	2	Sapling	1	5						
Quaking Aspen	84	Sapling	2	5						
Balsam Poplar	6	Sapling	1	5						
Balsam Fir	5	Sapling	1	5						
White Spruce	1	Sapling	2	5						
Black Cherry	2	Sapling	1	5						
20	6139 - Mixed Lowland Forest		Poletimber Well	29.4	116	51-80	N/A	SF 2025: Spruce in stand is falling apart, as is birch, resulting in variable basal areas ranging from 30-40 to 70-80. Wet. Very difficult access due to beaver flooding.Need bridge over Mud Creek and DEQ permit; winter job. Stand was set-up as "Mud Creek Sale" #005-07 (unit 1) - sale was cancelled without any activity, due to site conditions and inability to get bridge installed.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	10	Pole	7		Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
	Paper Birch	40	Pole/Log	8		Red Maple	High		5 - 10 feet	5 - 10 feet
	Balsam Fir	5	Pole/Sapling	6		Paper Birch	Medium		5 - 10 feet	5 - 10 feet
	Black Spruce	40	Pole/Sapling	7	116	Tag Alder	Medium		5 - 10 feet	5 - 10 feet
	Tamarack	5	Pole/Log	9		Black Spruce	Medium		< 5 feet	< 5 feet
	6120 - Lowland Cedar		Poletimber Medium	54.9	135	51-80	N/A		Contains Mud Creek and buffer. Some dead timber, due to beaver activity along creek. Patchy timber.SF 2025: Density highly variable in stand, with patches of dead timber from flooding. Cedar pole timber patches are most common, but also has patches of spruce/fir and tag alder.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Balsam Fir	10	Pole/Log/Sap	8		Balsam Fir	Medium	10 - 20 feet	10 - 20 feet		
White Spruce	2	Log	14		Red Maple	Low	10 - 20 feet	10 - 20 feet		
Black Spruce	10	Pole/Sap/Log	7		Paper Birch	Low	10 - 20 feet	10 - 20 feet		
Northern White Cedar	78	Pole/Log	8	135	Tag Alder	High	5 - 10 feet	5 - 10 feet		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	6111 - Lowland Balsam Poplar	Sapling Poor	8.7	6	Immature	N/A	SF 2025: Well stocked lowland balsam poplar/ aspen stand. Some small areas not regenerating, coming back to cattail, tag alder, Rubus spp. and bracken fern. Cut around 2019.OPIC - FMD: MORaine,Area., VARIETY OF SPECIES , LEAVE FOR BUFFER ALONG CREEK. Narrow ridge with swamp/lowlands on either sides. Cedar along edges. Paper birch is dying out; being replaced by fir/spruce. Trace cherry within. Heavy fir blowdown noted at south end of ridge. Stand transitions into more black spruce/fir on lower grounds. Some of the smaller paper birch (4-6" dbh noted) are healthy - leave as retention.SF 2025: Stand is well stocked lowland aspen sapling stand, with most of stems being balsam poplar or quaking aspen. Black cherry, tamarack, fir, red maple, and white spruce saplings within stand as well. Some small areas not regenerating, often where rutting had occurred. These coming back to cattail, rubus spp., and tag alder. Retention kept along sawmill creek from last harvest.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Maple	2	Sapling	1	6	
		Quaking Aspen	30	Sapling	1	6	
		Balsam Poplar	57	Sapling	1	6	
		Balsam Fir	2	Sapling	1	6	
		White Spruce	1	Sapling	1	6	
		Northern White Cedar	2	Pole	7		
		Tamarack	1	Sapling	1		
		Black Cherry	5	Sapling	1	6	
23	6120 - Lowland Cedar	Pole/timber Well	6.9	116	51-80	N/A	SF 2025: Highly variable stand. Pockets of cedar pole timber, tag alder thickets, and birch within. contains a small (3ft wide) tributary to Mud Creek. Tributary is dammed south of the stand. Likely kept as a BMP buffer from portion of the same stand to the east which was harvested around 2020. OPIC - FMD: WELL-STOCKED 3-STICK B,SPRUCE. LEAVE FOR BUFFER ALONG CREEK
		Canopy Species	% Cover	Size Class	DBH	Age	
		Paper Birch	10	Pole	6		
		Balsam Poplar	3	Pole	6		
		Balsam Fir	5	Pole/Sapling	6		
		Black Spruce	22	Log/Pole	12	116	
		Northern White Cedar	60	Pole/Log	9	116	
		Sub-Canopy Species	Density	Avg. Height	Size		
		Balsam Fir	High	10 - 20 feet	10 - 20 feet		
		White Spruce	Low	5 - 10 feet	5 - 10 feet		
		Black Spruce	Low	5 - 10 feet	5 - 10 feet		
		Black Cherry	Low	10 - 20 feet	10 - 20 feet		
		Red Maple	Low	10 - 20 feet	10 - 20 feet		
		Tag Alder	High	5 - 10 feet	5 - 10 feet		
24	623 - Emergent Wetland	None	19.1			No	OPIC - FMD: MARSH AND BEAVER DROWNED TIMBERSf 2025: Flooded area from very large old beaver dam blocking a small (3ft bankfull width) intermittent tributary to Mud Creek. Part of stand is open water, but it is mostly tag alder. Standing dead timber snags within.
		Sub-Canopy Species	Density	Avg. Height	Size		
		Balsam Poplar	Low	10 - 20 feet	10 - 20 feet		
		Alder	High	5 - 10 feet	5 - 10 feet		
		Balsam Fir	Low	10 - 20 feet	10 - 20 feet		
		Tamarack	Low	10 - 20 feet	10 - 20 feet		
		Red Maple	Low	10 - 20 feet	10 - 20 feet		
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		Northern White Cedar	Low	>20 feet	>20 feet		



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29	4130 - Aspen	Poletimber Well	60.8	32	111-140	N/A	"Mud Creek" sale #036-88 (unit 1, 2) cut Feb 1990 and Jan-March, 1991. East half of stand has lower stocked areas with heavier conifer component; semi-open.SF 2025: Good quality aspen stand. Wet pockets and swales within where aspen did not regenerate heavier to black ash. Some areas very heavy to fir/ spruce. These areas have experienced a fair amount of spruce budworm kill.																																																																															
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Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet																																																																																			
33	330 - Low-Density Trees	None	26.0			No	SF 2025: Stand expanded to include portions of stands 31 and 32 which were poorly regenerating. Mostly grass, forbs, and Rubus spp. with some tag alder, aspen, balsam poplar, spruce, and fir.Stand is being maintained as a natural opening. Stand was last treated in 1982 with Tordon. If stand 31, 32 and 28 are treated, may wish to remove some of the fir/spruce adjoining those areas as well.																																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
35	4130 - Aspen	Sapling Well	37.6	13	Immature	N/A	Stand harvested as "Swampbuck Aspen" #006-07 - cut November-December, 2011. Trace residual spruce, cedar, maple. Retention along the south compartment border.SF 2025: Narrow band of cedar poles crosses the road in middle of stand. Young aspen stand regenerating well. Pockets of tag alder in the lowest areas of the stand. Residual spruce, fir, and maple within stand.																																																											
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36	6220 - Alder/Willow	None	5.0			No	Contains Mud Creek																																																											
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37	413 - Aspen	Unspecified	5.8	5	Immature		Cut around 2020.Stand was last treated with Tordon in 1982; now being maintained as a natural opening and treated commercially as adjacent stands are prescribed. Trillium, strawberry also noted.SF 2025: Parts of opening are regenerating to aspen and balm. Over 50% of stand area regenerating to aspen with full stocking. Rubus and forbs in between larger patches of regenerating aspen. In the future should be managed as forested stand.																																																											
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38	4110 - Sugar Maple Association	Sawtimber Medium	14.7	100	51-80	N/A	Permit #006-97-01 "Mud Creek Sale" (unit 1). Cut Feb, 1998. Trace amount of black cherry, yellow birch present. Some areas of stand more to poles. High quality site - ground cover of trillium, blue cohosh.SF 2025: Cut in 2023 under "Land Down Under Sale" 32-002-21 (1) by Elisha Brown. Ok sawtimber quality log stand. Deer browse noted on maple seedlings. Ironwood and Rubus spp. impacting regeneration in the gaps.																																																											
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39	6123 - Lowland Fir	Sapling Medium	10.1	33	1-50	N/A	"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992. Some sparse and wet areas, but overall well-stocked.SF 2025: Stand of fir and spruce with white birch and aspen within. Heavy beaver damage in the stand along Sawmill Creek greatly reduced the number of aspen stems, estimated to have occurred about 15 years ago. Trees are behind the larger aspen stand to the east both in size, density, and quality.																																																												
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40	4139 - Aspen, Mixed Deciduous	Poletimber Well	10.3	26	111-140	N/A	"Mud Creek Sale" #006-97-01 (unit 2), cut fall, 1998. In 2005 aspen was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen. Upland.																																																												
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