



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32265

Entry Year 2025

Acreage: 1,197

County Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Rick Hill

Legal Description:

T45N R28W Sec 29 & Sec 32 except S1/2 SE.

Identified Planning Goals:

Management goals for this compartment are to continue to provide a sustainable flow of timber products and to continue to manage wildlife habitat and protect water quality. Timber products are primarily for fiber production with some pine and hardwood sawlog management taking place. Wildlife habitat is being provided primarily in early successional states.

Soil and topography:

The primary soil makeup in this compartment are of the Sagola-Rubicon complex and the Rubicon-Keweenaw complex. These soils are relatively deep excessively to moderately well drained sandy soils. Tawas soils also exist along the creeks and drainages which are poorly drained. A rock outcrop does exist in the geographic center of the compartment. Topography is relatively level to gently rolling.

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

Ownership in this portion of the landscape is predominantly State with some scattered private individual ownership. There is a large block of private club land (Michigan Northwoods Club) located to the north of this compartment. Development is minimal and is in hunting camps. Land use is associated with timber production, hunting, fishing, and general recreation.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

Special Conservation Area's previously type as Potential Old Growth, are being recommended to be changed to riparian corridors.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Camp Eleven Creek. Camp Eleven Creek is a designated Type 1 trout stream less than 50 foot wide with a predicted mean July temperature of 62.2 °F (cold stream). A minimum 300-foot buffer is recommended for Camp Eleven 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, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Soumi Till and Outwash Management Area, on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Soumi Till and Outwash Management Area: Blackburnian Warbler, Golden-winged Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Ruffed Grouse, American Marten, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as a building or

dimension stone. Gravel pits are located just to the west and potential should to be good. Abandoned iron mines are located six miles to the east. Section 22 was previously leased for metallic exploration, but there are no current State leases. There is no economic oil and gas production in the UP.

Vehicle Access:

Bryan Creek Road (Co. Rd. PW), Kates Grade (PPZ), and the Camp 11 Truck Trail (PPO) are the primary roads in this compartment. General access is good. Some woods roads have berms in place to limit vehicle access beyond certain points.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

No developed recreational facilities exist at this time and no opportunity exists.

Fire Protection:

Several volatile fuel types are found in the compartment and the surrounding landscape. The compartment resides just south of a larger sandy outwash plain. A large grass opening (approximately a section in size) is immediately to the north and west of the compartment, several hundred acres of jack pine are located to the north, as are scattered red and white pine stands. Some red and white pine as well as jack pine are in the north end of the compartment. Spruce-fir composes the understory in just about every stand within this compartment. The road system in this area is adequate enough to handle current fire suppression equipment and provides fire breaks for ground fire activity. Adequate water sources are also present in the Camp 11 and Bryan Creek's.

Additional Compartment Information:

The following reports from the Inventory are attached:

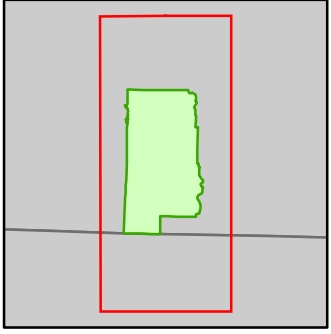
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

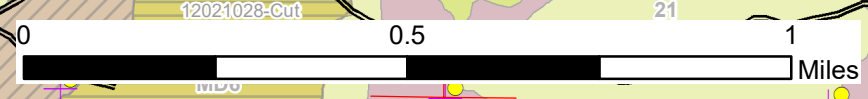
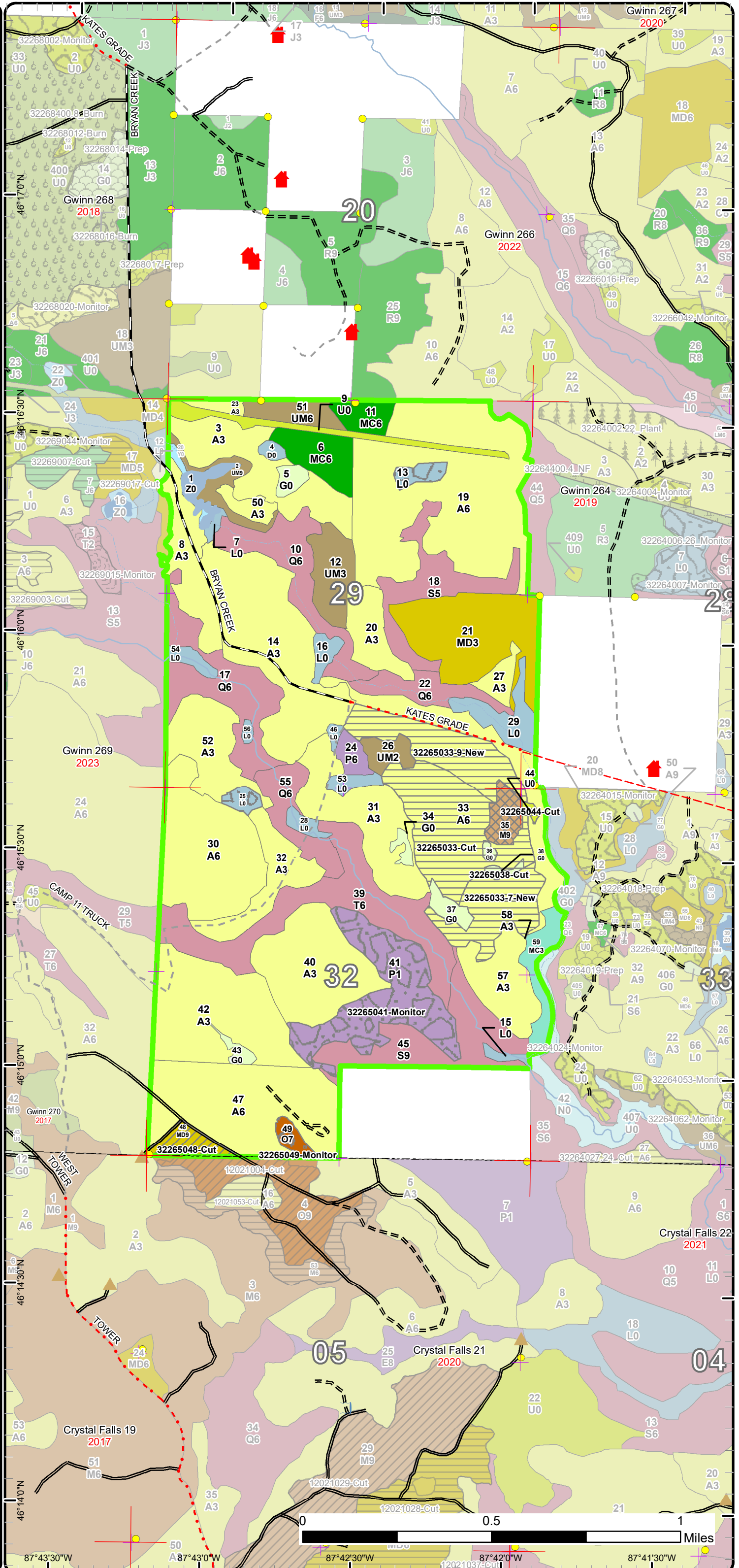
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 265
 T45N, R27W, Sec. 28-30, 32, 33
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 1197.2 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review



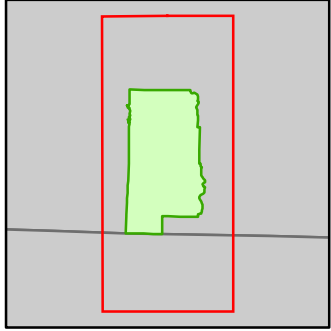
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Cabin
- ▲ Berms
- Culvert
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub



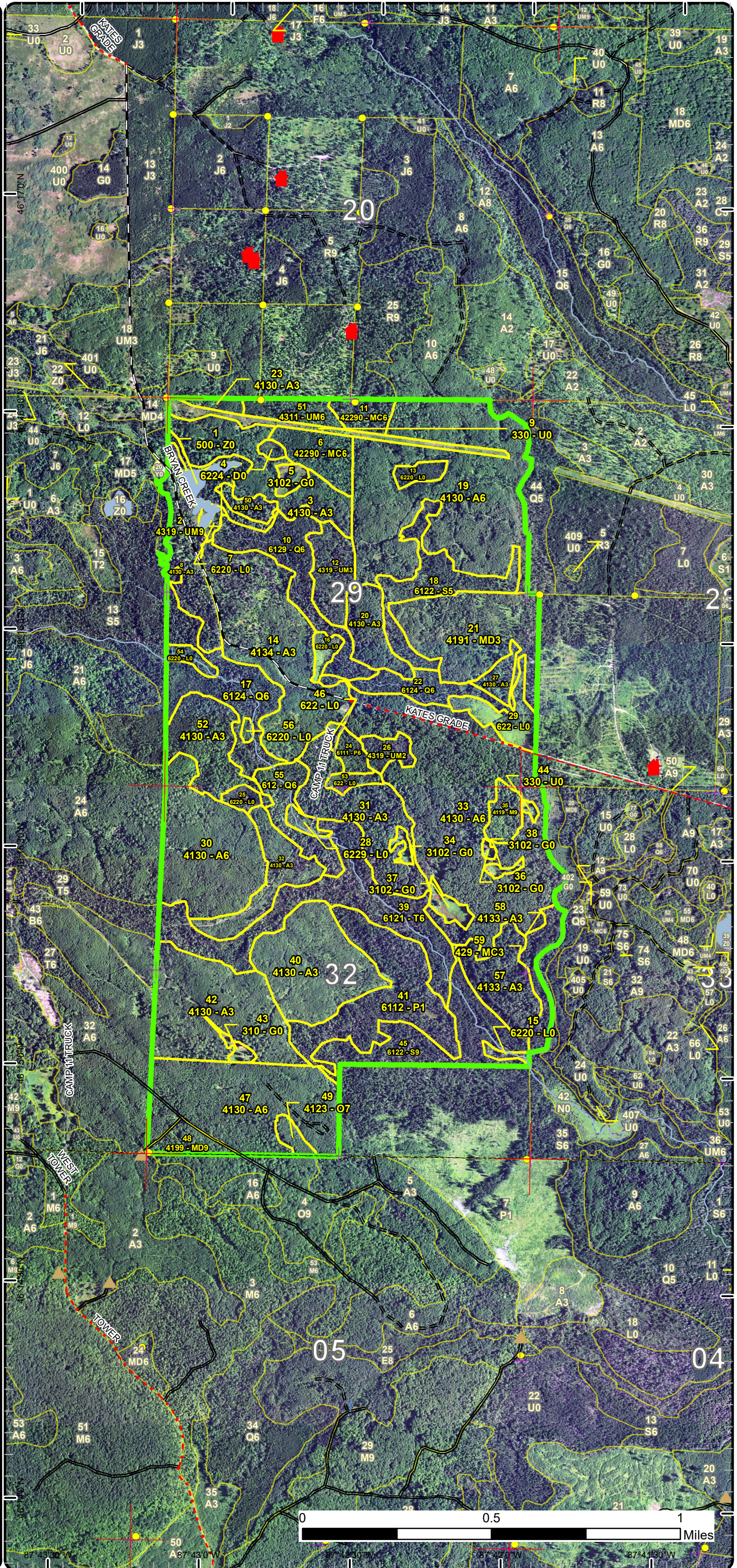
87°43'30"W 87°42'30"W 87°42'0"W 87°41'30"W

Stand Boundary Map

Compartment: 265
 T45N, R27W, Sec. 28-30, 32, 33
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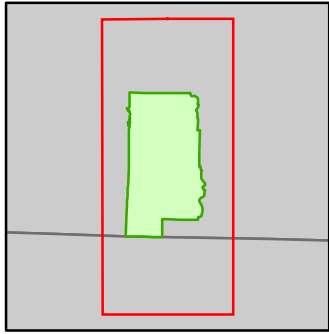


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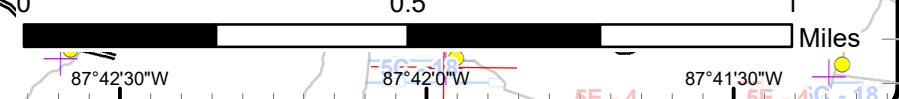
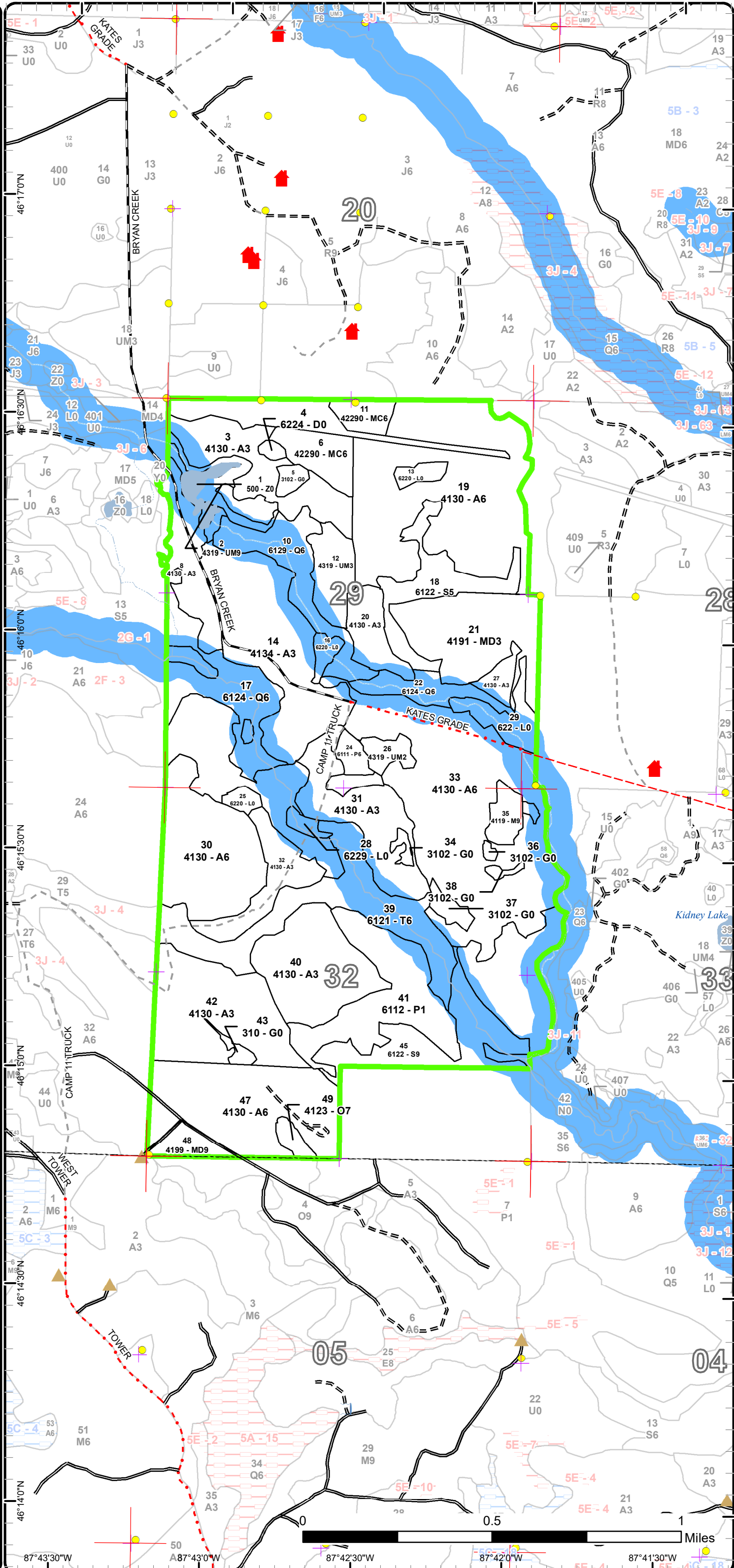


Special Conservation Areas

Compartment: 265
 T45N, R27W, Sec. 28-30, 32, 33
 County: Marquette
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- ▲ Berms
- ▼ Culvert
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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	135	134	93	233	0	126	0	0	0	0	0	0	0	0	0	0	0	721
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Aspen/Balsam Poplar	0	48	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	53
Lowland Conifers	0	0	0	0	0	0	0	13	16	64	0	0	0	0	0	0	0	0	93
Lowland Shrub	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Spruce/Fir	0	0	0	0	0	0	0	26	0	35	0	0	0	0	0	0	0	0	61
Mixed Upland Deciduous	0	0	0	47	0	0	0	0	0	0	8	0	0	0	0	0	0	0	55
Natural Mixed Pines	0	0	0	15	0	0	0	0	0	8	0	0	0	0	0	0	0	0	23
Northern Hardwood	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Oak	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
Tamarack	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	0	55
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	6	0	26	0	0	0	0	0	9	0	0	0	0	0	0	0	0	41
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	73	189	134	181	233	5	126	0	39	71	124	24	0	0	0	0	0	0	1199



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 265
Total Compartment Acres: 1,197

Commercial Harvest - 118
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
Aspen	99	0	0	0	0	0	0	0	0	99
Herbaceous Openland	2	0	0	0	0	0	0	0	0	2
Low-Density Trees	1	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	8	0	0	0	0	8
Northern Hardwood	0	8	0	0	0	0	0	0	0	8
Total	102	8	0	0	8	0	0	0	0	118

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	118	0	0	0	0	0	59	0	0	177
Next Step	0	0	0	55	0	0	110	0	0	165
Total	118	0	0	55	0	0	169	0	0	342



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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:

13	32265013-Monitor	4.1	6220 - Alder/willow	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> check regeneration in this lowland stand. <u>Specs:</u> <u>Next Step</u> Seeding, Hand Seed <u>Treatments:</u> <u>Acceptable</u> spruce, tamarack, fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2028</p>											
25	32265025-Monitor	3.3	6220 - Alder/willow	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> check regen to see if spruce is seeding in. <u>Specs:</u> <u>Next Step</u> Seeding, Hand Seed <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, tamarack <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2028</p>											
33	32265033-7-New	24.4	4130 - Aspen	Poletimber Well	56	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand leaving only red pine, white pine, oak and cedar if present. use a two-inch spec to improve aspen regeneration. Retention is the river buffer on the north end of the stand this area will include some large, forked aspen. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2028</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
33 32265033-9-New	28.4	4130 - Aspen	Poletimber Well	56	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand leaving only red pine, white pine, oak and cedar if present. use a two-inch spec to improve aspen regeneration. Retention is the river buffer on the north end of the stand this area will include some large, forked aspen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, mixed hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>										
33 32265033-Cut	46.0	4130 - Aspen	Poletimber Well	56	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand leaving only red pine, white pine, oak and cedar if present. use a two-inch spec to improve aspen regeneration. Retention is the river buffer on the north end of the stand this area will include some large, forked aspen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, mixed hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
35 32265035-Cut	7.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	90	141-170	Harvest	Group Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Cut all aspen, spruce and fir. Mark remaining trees for best tree in place with residual target of 80SQ Ft. Favor the retention of large basswood for cavity nesters while marking stand.</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, aspen, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
36 32265036-Cut	0.9	3102 - Grass	Nonstocked		Unspec ified	Harvest	Clearcut with Retention	31021 - Cool Season Grass		No
<p><u>Prescription</u> Cut all trees leaving only red pine and white pine.</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> grass</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

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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
38	32265038-Cut	1.4	3102 - Grass	Nonstocked		Unspecified	Harvest	Clearcut	31021 - Cool Season Grass		No
<p><u>Prescription</u> cut all trees leaving only red pine and white pine. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> grass <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
41	32265041-Monitor	47.9	6112 - Lowland Aspen	Sapling Poor	3	Immature	Monitoring	Natural Regen (Intermediate)	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> check to make sure low areas of stand are coming back. <u>Specs:</u></p> <p><u>Next Step</u> Seeding, Hand Seed <u>Treatments:</u></p> <p><u>Acceptable</u> spruce, fir, aspen, red maple, BAM, pine, mixed hardwood, mixed conifer <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>											
44	32265044-Cut	1.0	330 - Low-Density Trees	Nonstocked	0	Unspecified	Harvest	Clearcut	330 - Low-Density Trees		No
<p><u>Prescription</u> Cut all incroching trees over 2 inches in diameter. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Grass <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
48	32265048-Cut	7.8	4199 - Other Mixed Upland Deciduous	Sawtimber Well	105	111-140	Harvest	Crown Thinning	4123 - Red Oak	Even-Aged	No
<p><u>Prescription</u> Thin stand to 70 SQ FT focusing on removal of maple. Mark for best tree in place. Goal of the harvest is to improve growth, quality, and mast production of oaks. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> oak, northern hardwood <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /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
49 32265049-Monitor	3.8	4123 - Red Oak	Sawtimber Poor	105	1-50	Monitoring	Natural Regen (Intermediate)	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> See if oak can make it above the browse line.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> oak, northern hardwood.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>										

Total Treatment Acreage Proposed: 176.6

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 265
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	2G	3J	
721	693	0	28	Aspen	28	
14	14	0	0	Herbaceous Openland		
12	12	0	0	Low-Density Trees		
53	48	0	5	Lowland Aspen/Balsam Poplar	5	
93	2	0	91	Lowland Conifers		91
39	39	0	0	Lowland Shrub		0
61	26	0	35	Lowland Spruce/Fir		35
55	55	0	0	Mixed Upland Deciduous		0
23	23	0	0	Natural Mixed Pines		
8	8	0	0	Northern Hardwood		
4	4	0	0	Oak		
55	0	0	55	Tamarack		55
2	2	0	0	Treed Bog		
12	0	0	12	Upland Conifers		12
41	32	0	9	Upland Mixed Forest		9
6	6	0	0	Water		
1,197	963		235	Total Forested Acres	5	230
	80%		20%	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)	88	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	141	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 265
Year of Entry: 2025

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
1	500 - Water	Nonstocked	6.3		Unspecified	No	small pond water level varies quite a bit.																																																							
2	4319 - Mixed Upland Forest	Sawtimber Well	9.0	97	81-110	N/A	This stand is essentially a ridge that is bordered by a pond along almost the entire western edge of the stand. The south end of the stand grades quickly into a tamarack & black spruce stand that has several spring creeks flowing through it.																																																							
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3	4130 - Aspen	Sapling Well	34.4	26	Unspecified	N/A	Stand harvested summer 1997, permit #5-95 by Minerick Logging "Kates Grade Elf" sale. All oak, red and white pine, spruce and fir were left. Some open areas off of ELF ROW. Red and white pine regen present.																																																							
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4	6224 - Treed Bog	Nonstocked	1.8	0	Unspecified	No	Small spruce bog in center of aspen stand. Pole timber on edge grading down to seedlings/saplings as you get closer to the center.																																																							
5	3102 - Grass	Nonstocked	3.4		Unspecified	Managed Opening	Decent quality opening.																																																							
6	42290 - Natural Mixed Pine	Poletimber Well	14.7	26	51-80	N/A	Stand harvested January 1998 by Minerick Logging "Kates Grade ELF" Sale. Oak, red and white pine, spruce and fir were left. Old inventory notes indicate that a large number of white pine seedlings/saplings were present prior to cutting and that most were preserved during the operation. Notes also indicate that the site was subsequently disk trenched and planted with white pine where needed to fill in the gaps under FTP C31-377. As of 6/13/13, the majority of the white pine have been weeviled but are healthy otherwise. Most of the planted white pine appears to be south of the ELF ROW and the majority of the residual pine is to the north.																																																							
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8	4130 - Aspen	Sapling Well	23.5	5	Immature	N/A	Stand Cut in the summer of 2019 by Lafleur FP under 32-106-15 Brown Jug Pulpwood.																																																						
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9	330 - Low-Density Trees	Nonstocked	11.0	0	Unspecified	413 - Aspen	Old ELF ROW..																																																						
10	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	28.2	97	Unspecified	N/A	Stand borders a tributary of the Camp 11 creek.																																																						
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11	42290 - Natural Mixed Pine	Poletimber Well	8.1	95	51-80	N/A	Stand cut around 1986 with the adjacent stand by Holli Forest Products under permit #6-78. Red pine and white spruce were left. Stand is currently a two aged stand with red pine logs over saplings.																																																						
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12	4319 - Mixed Upland Forest	Sapling Well	16.0	26	51-80	N/A	Stand was cut with adjacent stand to the north in 1997, #5-95 by Minerick Logging, "Kates Grade ELF" sale, all oak, red and white pine, spruce and fir were left. This stand has considerably more overstory spruce-fir and pine than the stand to the north.																																																						
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13	6220 - Alder/willow	Nonstocked	4.1	0	Unspecified	612 - Lowland Coniferous Forest	Stand cut in the winter of 2019-2020 by Lafleur FP (cutting for Holli FP) under 32-106-15 Brown Jug Pulpwood.																																																						



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14	4134 - Aspen, Spruce/Fir	Sapling Well	68.6	17	Unspecified	N/A	Stand cut by K&K Logging (shortwood operation), timber sale #32-119-05-01, "Bryan Creek Road South Sale". The portion of the stand north of the road was cut during the summer of 2006 while the portion south of the road was cut during the summer of 2005. All oak, cherry, red and white pine, and cedar were left. Also, only those spruce with a diameter greater than 9" at stump height were cut. Some birch along the road were marked with green paint. The stand has a heavier spruce/fir patch component in the northern part of the stand, this is also where the majority of the pine are. This must have been where the majority of the birch was too as there are several areas where there isn't any regeneration. These areas will seed in with spruce, fir, and pine over time though.																																	
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17	6124 - Lowland Spruce-Fir	Poletimber Well	35.6	97	Unspecified	N/A																																		
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18	6122 - Black Spruce	Poletimber Medium	26.0	72	Unspecified	N/A																																		
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19	4130 - Aspen	Poletimber Well	114.0	38	Unspecified	N/A	Stand harvested between 1981-87 by Holli Forest Products, permit #6-78. Red pine and white spruce were left. Stand is predominantly all pole size now. Scattered residual red pine throughout. Red pine is seeding into the road system as well as the understory.																																	
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20	4130 - Aspen	Sapling Well	14.8	4	Immature	N/A	Stand cut in the winter of 2019-2020 by Lafleur FP (cutting for Holli FP) under 32-106-15 Brown Jug Pulpwood.																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
21	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	47.2	26	Immature	N/A	Stand was cut in the fall of 1997 under permit #5-95 by Minerick Logging "Kates Grade ELF" sale. Stand is primarily upland with scattered low drainages throughout. It is dominated however by balm and balsam fir as well as tag alder in the drainage areas. Aspen and white spruce are lesser components.																																		
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22	6124 - Lowland Spruce-Fir	Poletimber Well	13.1	70	Unspecified	N/A																																			
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23	4130 - Aspen	Sapling Well	3.1	26	Unspecified	N/A	Stand harvested summer 1997, permit #5-95 by Minerick Logging "Kates Grade Elf" sale. All oak, red and white pine, spruce and fir were left.																																		
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24	6111 - Lowland Balsam Poplar	Poletimber Well	4.7	45	Unspecified	N/A	Areas of tag alder, black ash, and balm. Edges might be harvestable, remainder is very wet.																																		
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26	4319 - Mixed Upland Forest	Sapling Medium	6.1	4	Immature	N/A	Stand cut in the winter of 2019-2020 by Lafleur FP (cutting for Holli FP) under 32-106-15 Brown Jug Pulpwood.																																		
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28	6229 - Mixed lowland shrub	Nonstocked	2.9		Unspecified	No	Marsh grass, tag alder, with some scattered black spruce and tamarack.																																										
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29	622 - Lowland Shrub	Nonstocked	12.3		Unspecified	No																																											
30	4130 - Aspen	Poletimber Well	53.3	37	Unspecified	N/A	North part of the stand harvested between 1980-1986 first by Lowell White and later by Mark Johnson under permit #8-78. All oak, red and white pine, and spruce were left. Southern 1/3 was harvested in March 1978 by Holli Forest Products #11/77. Spec's were to cut all merchantable birch and aspen, no conifers were to be cut. Stand is now a mix of quaking aspen as well as pockets of big tooth aspen. Scattered oaks are present, primarily in the northern part of the stand. Understory is heavy to spruce and fir. Some jack pine present as well.																																										
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31	4130 - Aspen	Sapling Well	36.9	4	Immature	N/A	Stand cut in the summer of 2019 by Lafleur FP under 32-106-15 Brown Jug Pulpwood.																																										
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32	4130 - Aspen	Sapling Well	20.9	17	Unspecified	N/A	Stand harvested during the summer of 2006 by Nickles Logging subcontracting for Superior Michigan Hardwoods, timber sale #32-120-05-01 "Camp 11 Truck Trail Aspen". All oak, cherry, red and white pine, cedar, and ash were left. Only spruce 9" and larger at stump diameter were cut. Several birch trees along the road were also marked to leave for aesthetics. This was a shortwood operation. The majority of the birch have either died or have heavy mortality in their tops. There is a fair amount of conifer in the understory as well.																																										
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Wild Red Raspberry	Low	< 5 feet	Tall Shrub																																														
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33	4130 - Aspen	Poletimber Well	125.6	56	Unspecified	N/A	Stand was commercially cut between 1966-1970 by Evert Koskinen, permit #15/66A. All merchantable aspen, balm, birch, and fir were to be cut. Permit notes indicate that he failed to cut all of the balm. Permit #17/60A may have also had harvesting in this stand by Milo Palm. Stand has some seasonal wet areas in it, more so along the north edge. Budworm is present in the southwest portion of the stand.																																										
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34	3102 - Grass	Nonstocked	1.9		Unspecified	Managed Opening	Good quality opening. Pretty much all grass.																																										
35	4119 - Mixed Northern Hardwoods	Sawtimber Well	7.6	90	141-170	N/A	Stand was cut under permit #15/66A by Evert Koskinen between 1966-1970. All aspen, balm, birch, and fir were to be cut.																																										
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36	3102 - Grass	Nonstocked	0.9		Unspecified	Managed Opening	Good quality opening. Pretty much all grass.																																										
37	3102 - Grass	Nonstocked	4.3		Unspecified	Managed Opening	Good quality opening. Pretty much all grass.																																										
38	3102 - Grass	Nonstocked	1.4		Unspecified	Managed Opening	Good quality opening. Pretty much all grass.																																										
39	6121 - Tamarack	Poletimber Well	54.7	88	Unspecified	N/A																																											
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40	4130 - Aspen	Sapling Well	44.9	17	Unspecified	N/A	Stand harvested during the summer of 2006 by Nickles Logging (subcontracting for Superior Michigan Hardwoods), timber sale #32-120-05-01, "Camp 11 Truck Trail Aspen Sale". All oak, cherry, red and white pine, cedar, and ash were left. Only spruce greater than 9" diameter and larger at stump height were cut. Sale was cut as a shortwood operation. Stand is in good shape. Tag alder swale present in center of stand.																																										
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41	6112 - Lowland Aspen	Sapling Poor	47.9	3	Immature	N/A	Stand harvested under 32-106-15 Brown Jug Pulpwood by LaFleur FP (Cutting for Holli FP) in the winter of 2019-2020.																																										
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42	4130 - Aspen	Sapling Well	55.5	26	Unspecified	N/A	Stand harvested in the summer of 1997 by Minerick Logging, permit #4-95 "Snowless Christmas Aspen Block". A total of 71 birch seed trees were left in areas lacking aspen and along the Camp 11 Truck trail for aesthetics. Also all oak, red and white pine, spruce and fir were left. Longwood operation.																																																				
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43	310 - Herbaceous Openland	Nonstocked	2.3		Unspecified	Managed Opening																																																					
44	330 - Low-Density Trees	Nonstocked	1.0	0	Unspecified	Managed Opening																																																					
45	6122 - Black Spruce	Sawtimber Well	35.3	95	Unspecified	N/A																																																					
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48	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.0	105	111-140	N/A	Northeast side of stand was harvested as part of 120781001 6-Mile Hardwood out of Crystal Falls. Stand was thinned in 1985 by St. John Forest Products, permit #1-78.																																																				
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49	4123 - Red Oak	Sawtimber Poor	3.8	105	1-50	N/A	Stand cut in the winter of 2019-2020 by Lafleur FP (cutting for Holli FP) under 32-106-15 Brown Jug Pulpwood.																																																						
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51	4311 - Pine, Aspen Mix	Poletimber Well	9.5	26	51-80	N/A	Stand harvested January 1998 by Minerick Logging "Kates Grade ELF" Sale. Oak, red and white pine, spruce and fir were left. Old inventory notes indicate that a large number of white pine seedlings/saplings were present prior to cutting and that most were preserved during the operation. Notes also indicate that the site was subsequently disk trenched and planted with white pine where needed to fill in the gaps under FTP C31-377. As of 6/13/13, the majority of the white pine have been weeviled but are healthy otherwise. Most of the planted white pine appears to be south of the ELF ROW and the majority of the residual pine is to the north.																																																						
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54	6220 - Alder/willow	Nonstocked	3.6	0	Unspecified	No																																																							
55	612 - Lowland Coniferous Forest	Poletimber Well	15.6	88	Unspecified	N/A	Stand cut in the summer of 2019 by Lafleur FP under 32-106-15 Brown Jug Pulpwood.																																																						
56	6220 - Alder/willow	Nonstocked	1.0	0	Unspecified	No																																																							



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