



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11008

Entry Year 2021

Acreage: 2,003

County Baraga

Management Area: Baraga Plains

Revision Date: 2019-03-04

Stand Examiner: Fred Hansen

Legal Description:

Baraga Township
T49N, R34W, Sections 5, 6, 7, 8, 17 and 18.

Identified Planning Goals:

To maintain a healthy sustainable forest with special consideration to wildlife habitat.

Soil and topography:

This compartment represents the Northern extent of a glacial outwash plain. Sands are predominant. Grayling sand predominates in the south half of the compartment. The soils grade to Rubicon sand in the north half of section 7. The northern end of the compartment is Rubicon sand, Munising-Yalmer loamy sand and Rousseau-Ocqueoc complex.

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

There is good public access to this compartment. All of the land to the east and south is State owned, while to the west is Ottawa National Forest. There are a few small private ownerships to the North along a two track road locally known as the "Jug road". These consist of recreation properties with hunting camps. The Ottawa National Forest land to the West is being considered for a number of timber harvests to promote large openings for T&E species such as Kirtland's warblers. These activities may include use of prescribed fire and other cultural treatments to provide opening maintenance.

Unique Natural Features:

MNFI recognizes the potential for Kirtland's warbler in young jack pine stands and the potential for Canada rice-grass in openings in jack pine.

Archeological, Historical, and Cultural Features:

No concerns noted by HAL.

Special Management Designations or Considerations:

none.

Watershed and Fisheries Considerations:

There are no lakes or streams in this compartment.

Wildlife Habitat Considerations:

Leave most oak in aspen clearcuts.

Mineral Resource and Development Concerns and/or Restrictions

The nearest gravel pit is more than three miles to the south, but there could be some sand/gravel potential within the compartment. There has not been any metallic mineral production within six miles of the compartment, and there is no active metallic mineral leasing activity in the area. There is no economic oil and gas production in the UP.

Vehicle Access:

Very good access to most of the compartment. The Baraga Plains road is a county road which is the eastern boundary for the compartment. There are several forest roads which travel through the compartment. These roads are very sandy and may need gravel to stabilize sand blowouts if any harvesting is to take place.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The compartment offers many good hunting opportunities for deer, bear and ruffed grouse. The North loop of the Baraga Plains ORV trail passes through this compartment from North to South. The (North –South) Baraga Plains road, which is

the East boundary of this compartment, has been used as a designated snowmobile trail in recent years. The trail was closed during the 2008/2009 season because of a loss of permission to cross private lands to the North. The trail is expected to be reopened when the access issues are resolved.

Fire Protection:

This compartment is in the Baraga plains zone dispatch area for initial attack on wild fires. This is attributed to the fire prone Jack Pine associated with the Baraga Plains.

Additional Compartment Information:

The following reports from the Inventory are attached:

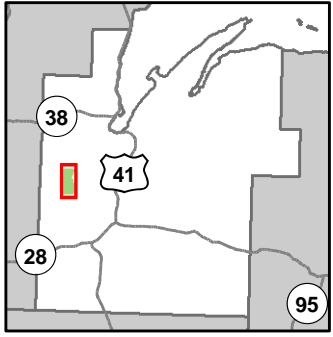
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

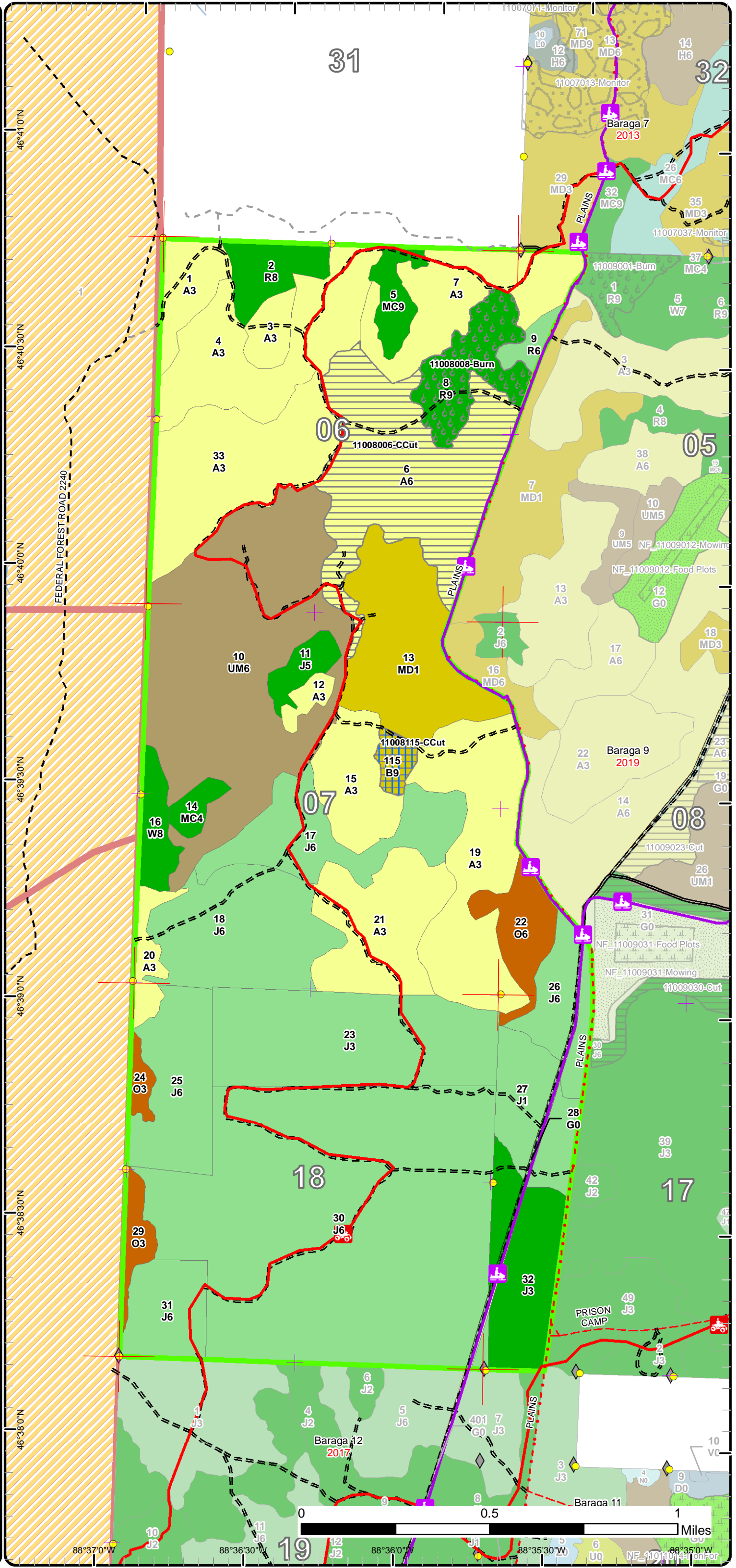
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 8
 T49N, R34W, Sec. 5-8, 17, 18
 County: Baraga
 Unit: Baraga
 Mgmt Area: Baraga Plains
 YOE: 2021
 Acres: 2,003 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 10/9/2019
 Map Phase: Post Review



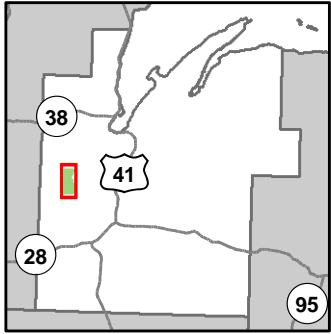
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🛵 ORV Trails
- 🛷 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Perennial River
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- Prescribed Burn
- Seed Tree (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland



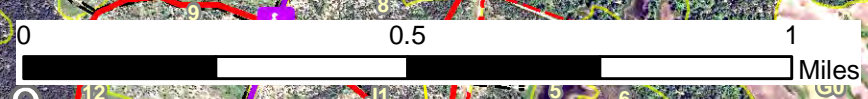
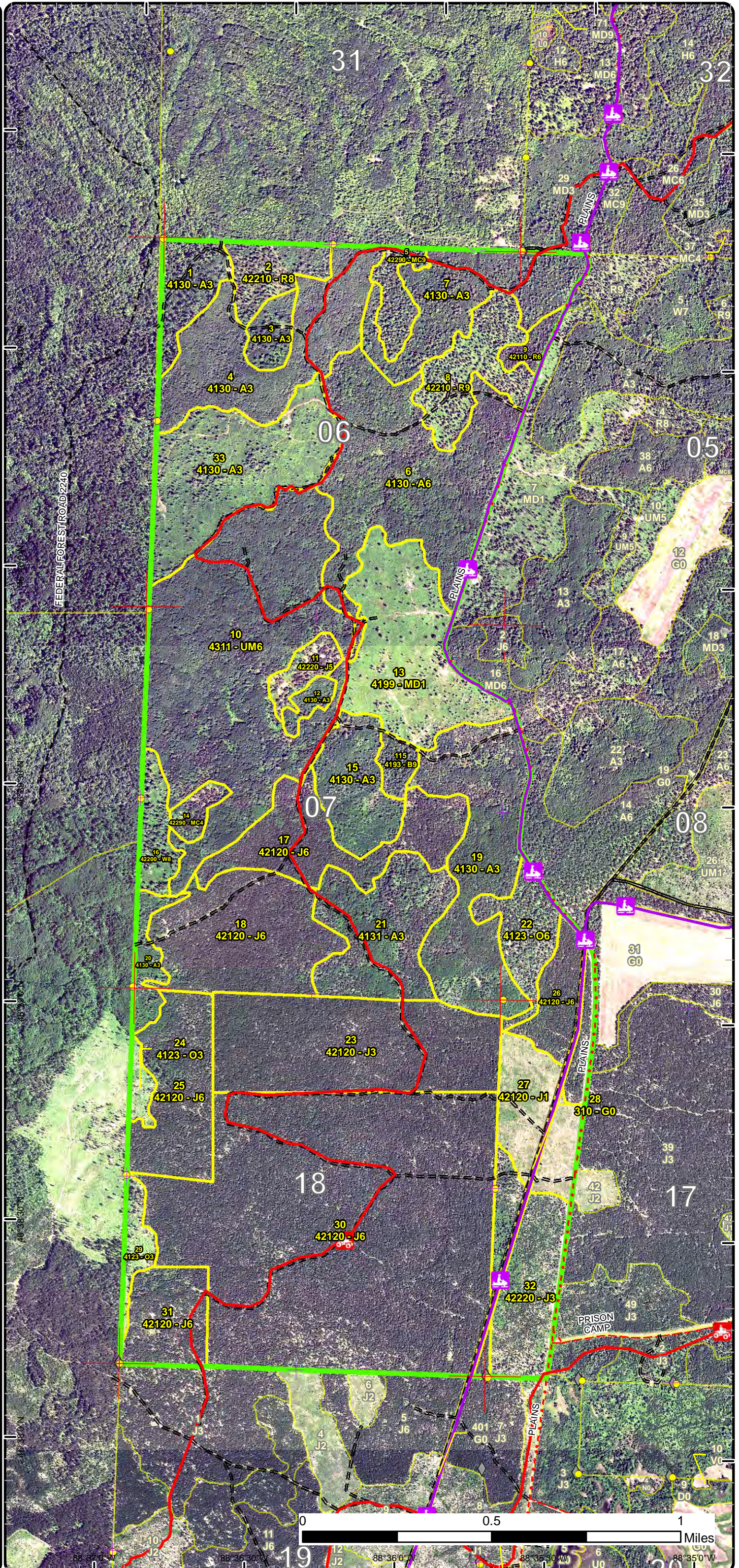
88°37'0"W 88°36'30"W 88°36'0"W 88°35'30"W 88°35'0"W

Stand Boundary Map

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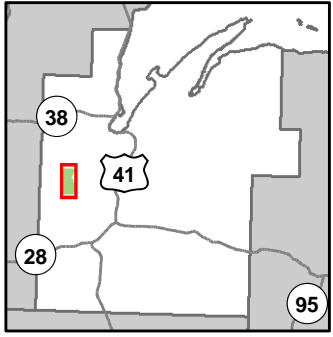
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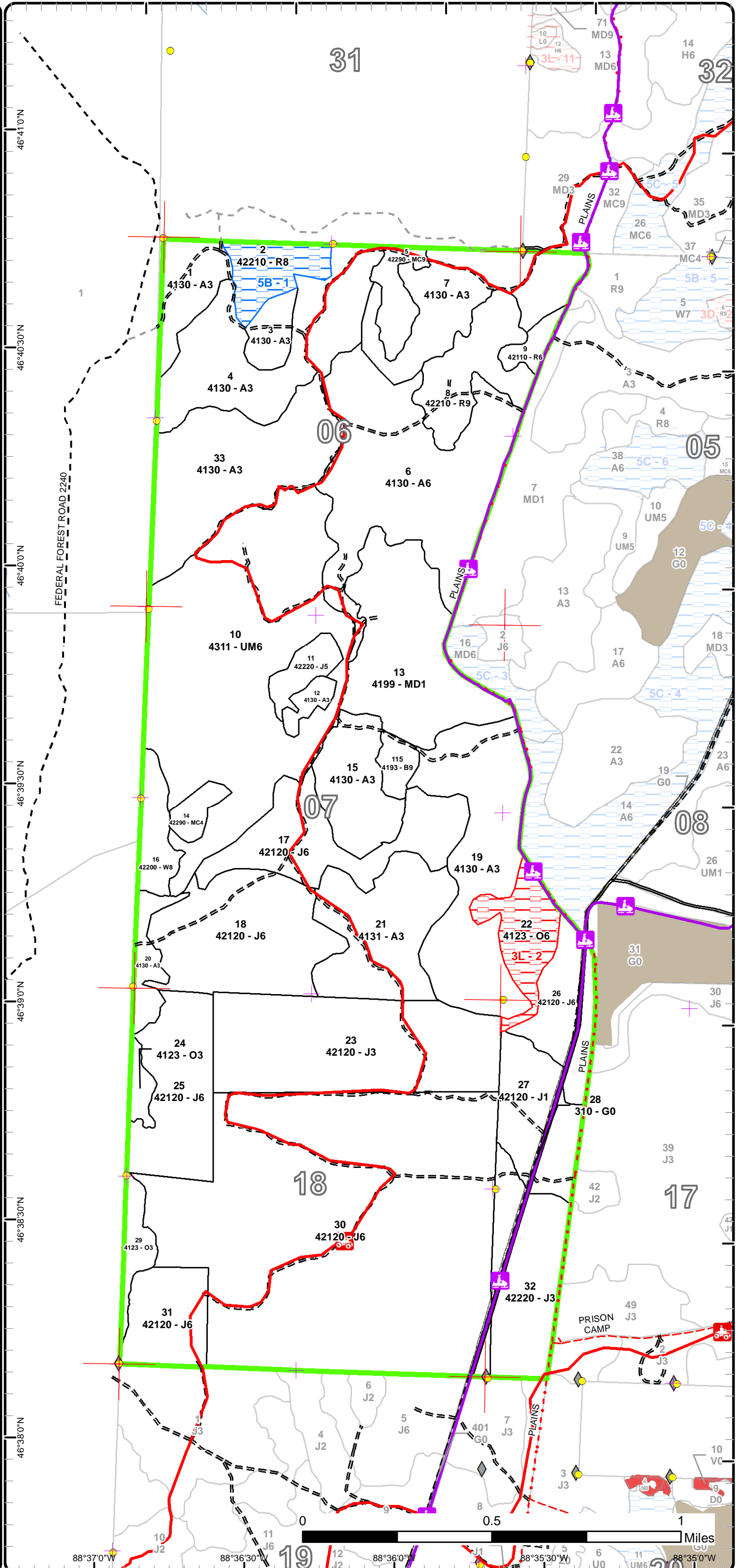
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Special Conservation Areas & Site Conditions Map

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- ⋯ Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 3L: Other wildlife concerns
- ▭ Stand Boundaries
- Ecological Reference Areas
- Dedicated Management Areas
- Cold Water Streams



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	189	64	247	0	136	0	0	0	0	0	0	0	0	0	0	0	636
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	44	0	58	199	581	0	0	0	0	0	0	0	0	0	0	0	0	882
Mixed Upland Deciduous	0	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Natural Mixed Pines	0	0	0	0	0	9	0	0	0	0	16	0	0	0	0	0	0	0	24
Oak	0	20	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	49
Paper Birch	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	8	0	0	0	0	64	0	0	0	0	0	0	0	72
Upland Mixed Forest	0	0	0	0	0	216	0	0	0	0	0	0	0	0	0	0	0	0	216
White Pine	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	18
Total	7	153	189	122	446	814	136	9	0	29	0	99	0	0	0	0	0	0	2001



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 8

Total Compartment Acres: 2,003

Commercial Harvest - 145
 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	136	0	0	0	0	0	0	0	0	136
Paper Birch	0	0	0	9	0	0	0	0	0	9
Total	136	0	0	9	0	0	0	0	0	145

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	145	0	0	0	41	0	0	0	0	185
Next Step	0	145	0	0	0	0	185	0	0	330
Total	145	145	0	0	41	0	185	0	0	516



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	Approval Status
6	11008006-CCut	136.0	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Harvest all species down to 2 inches DBH except red oak, red pine, white pine and hemlock if present. Leave tree mark 1 paper birch tree for every 2 acres for seed.

Retention for this stand will be greater than 3% and will consist of reserve tree species.

PRD request that the ORV only be crossed perpendicularly during harvested and that within 10' of the ORV trail stumps are kept low and all slash is removed. The purchaser is to notify Jeff Kakuk, the grant sponsor and the FRD field contact before harvesting operation commence. If the sale is to be harvested during the snowmobile season and the plains road is plowed for access then the snowmobile club must be notified and additional signage must be added.

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment:

Proposed Start Date: 10/1 /2020

8	11008008-Burn	40.7	42210 - Natural Red Pine	Sawtimber Well	108	51-80	Burn	Understory	42290 - Natural Mixed Pine	Two-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Under burn to reduce hardwood and aspen competition with the oak and natural red and white pine regen.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Mixed natural pine, oak and paper birch.

Other Comment: FTP C11-250

Proposed Start Date: 10/1 /2010

115	11008115-CCut	8.7	4193 - Birch, Aspen	Sawtimber Well	60	81-110	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Harvest all species down to 2 inches DBH except red pine, white pine and hemlock if present. Leave tree mark 1 oak tree and 1 paper birch per acre for seed.

Retention: 3-10% BA will be the retention for this stand. Along, with the reserve trees..

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: WLD dozer with rock rake may be an option to scarify.

Proposed Start Date: 10/1 /2020

Total Treatment Acreage Proposed: 185.4

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 8
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	3L
		With Condition	Not Available				
636	636	0	0	Aspen		0	
7	7	0	0	Herbaceous Openland			
884	884	0	0	Jack Pine		0	
89	89	0	0	Mixed Upland Deciduous			
24	24	0	0	Natural Mixed Pines			
49	19	0	29	Oak			29
9	9	0	0	Paper Birch			
72	49	23	0	Red Pine	23		
216	216	0	0	Upland Mixed Forest			
19	19	0	0	White Pine			
2,003	1,951	23	29	Total Forested Acres	23	0	29
	97%	1%	1%	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	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3L: Other wildlife concerns	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain this stand for mast production and landscape diversity due to its proximity to the wildlife fields. There is a good flush of naturally regenerating oak coming up in this stand.							

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
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4130 - Aspen	Sapling Well	25.0	17	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		80	Sapling	1	17				
2	42210 - Natural Red Pine	Sawtimber Medium	23.4	108	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Oak		10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
White Pine		10	Log/Pole	10		Paper Birch	Low	10 - 20 feet	Sapling
Red Pine		80	Log/Pole	10	108	Quaking Aspen	Low	10 - 20 feet	Sapling
3	4130 - Aspen	Sapling Well	13.1	17	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		7	Sapling	1	17				
Quaking Aspen		80	Sapling	1	17				
4	4130 - Aspen	Sapling Well	83.6	36	1-50	N/A	Cut in 1983 "Section 6 Aspen" Some patchy oak left in the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch		10	Sapling	3	36	White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen		80	Sapling	3	36	Hazelnut (American)	Low	10 - 20 feet	Tall Shrub
5	42290 - Natural Mixed Pine	Sawtimber Well	15.8	108	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Oak		15	Pole/Sapling	4		Red Maple	Medium	10 - 20 feet	Sapling
White Pine		45	Log/Pole	12	108	Red Oak	Low	10 - 20 feet	Sapling
Red Pine		40	Log/Pole	12	108	Paper Birch	Low	10 - 20 feet	Sapling
						Quaking Aspen	Medium	10 - 20 feet	Sapling
						Balsam Fir	Low	10 - 20 feet	Sapling
6	4130 - Aspen	Poletimber Well	136.0	54	51-80	N/A	WLD - Keep red oak for wildlife values.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		80	Pole/Log	8	54	White Pine	Low	10 - 20 feet	Sapling
						Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
7	4130 - Aspen	Sapling Well	64.1	26	1-50	N/A	Cut in 1993. Natural red pine over A3. Manage the small plantation red pine stand to the SE with this stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		80	Sapling	2	26	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	42210 - Natural Red Pine	Sawtimber Well	40.7	108	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Oak		10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
White Pine		10	Log/Pole	10	108	Paper Birch	Low	10 - 20 feet	Sapling
Red Pine		80	Log/Pole	10	108	Quaking Aspen	High	5 - 10 feet	Sapling
9	42110 - Planted Red Pine	Poletimber Well	8.2	40	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		20	Log	12	108	Red Maple	Medium	>20 feet	Sapling
Red Pine		80	Pole	4	40	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
10	4311 - Pine, Aspen Mix	Poletimber Well	216.0	40	1-50	N/A	Mixed aspen, jack pine, red pine, white pine with some black cherry, poor quality oak and paper birch. The timber is in pockets.		
Canopy Species		% Cover	Size Class	DBH	Age				
Paper Birch		10	Pole	5	40				
Quaking Aspen		40	Pole	5	40				
White Pine		10	XLog/Log	18	80				
Red Pine		10	XLog/Log	18	80				
Jack Pine		30	Pole	5	40				
11	42220 - Natural Jack Pine	Poletimber Medium	12.4	30	1-50	N/A	Frost pocket slowly growing in with jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling/Pole	4	30				
12	4130 - Aspen	Sapling Well	6.9	17	Immature	N/A	"Plains Popple 11-003-01-01" some residual oak left in super canopy in the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch		10	Sapling	1	17	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		80	Sapling	1	17				
13	4199 - Other Mixed Upland Deciduous	Sapling Poor	88.5	7	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Oak		30	Sapling	1	7				
Quaking Aspen		25	Sapling	1	7				
Red Maple		40	Sapling	1	7				
14	42290 - Natural Mixed Pine	Poletimber Poor	8.5	40	1-50	N/A	Frost pocket slowly brushing in from the edges. Mix of red, white, and jack pine with oak, aspen and birch.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		40	Pole/Sapling	6		Red Maple	Low	10 - 20 feet	Sapling
Jack Pine		50	Pole/Sapling	6	40	Red Oak	Low	10 - 20 feet	Sapling
						Quaking Aspen	Low	10 - 20 feet	Sapling
						Black Cherry	Low	10 - 20 feet	Sapling



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17	42120 - Planted Jack Pine	Poletimber Well	62.3	40	81-110	N/A	Planted jack pine 1979. Some pockets of larger diameter (older?) pine. J4																																													
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18	42120 - Planted Jack Pine	Poletimber Well	83.3	40	1-50	N/A	planted jack pine 1979. smaller diameter.																																													
<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>Jack Pine</td> <td>95</td> <td>Sapling/Pole</td> <td>4</td> <td>40</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Sapling/Pole	4	40																																			
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19	4130 - Aspen	Sapling Well	96.4	33	1-50	N/A																																														
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					Hazelnut (American)	Low	5 - 10 feet	Tall Shrub																																												
20	4130 - Aspen	Sapling Well	14.9	16	Immature	N/A	A3 in 2009. cut in 2002. previous YO origin was in 1922. A few scattered red pine.																																													
<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>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>2</td> <td>16</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling	2	16																																			
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Quaking Aspen	80	Sapling	2	16																																																
21	4131 - Aspen, Oak	Sapling Well	66.8	33	1-50	N/A	A3/ O3 in 2009. some patches of large oak, red pine, and jack pine ~8" dbh. cut in 1985. There are patches of larger diameter red pine and aspen.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td>33</td> <td>Red Oak</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>20</td> <td>Sapling</td> <td>2</td> <td>33</td> <td>Hazelnut (American)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Paper Birch</td> <td>20</td> <td>Sapling</td> <td>2</td> <td>33</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Sapling/Pole</td> <td>3</td> <td>33</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	Red Maple	10	Sapling/Pole	3	33	Red Oak	Medium	10 - 20 feet	Sapling	Red Oak	20	Sapling	2	33	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub	Paper Birch	20	Sapling	2	33					Quaking Aspen	40	Sapling/Pole	3	33				
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Quaking Aspen	40	Sapling/Pole	3	33																																																
22	4123 - Red Oak	Poletimber Well	29.1	82	1-50	N/A	O4/O5. Poor scrub oak in northern Baraga Plains.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>95</td> <td>Pole</td> <td>6</td> <td>82</td> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Red Oak</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Paper Birch</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	Red Oak	95	Pole	6	82	Red Maple	Low	10 - 20 feet	Sapling						Red Oak	Medium	10 - 20 feet	Sapling						Paper Birch	Low	10 - 20 feet	Sapling						White Pine	Low	10 - 20 feet	Sapling
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
23	42120 - Planted Jack Pine	Sapling Well	118.0	37	1-50	N/A	Planted pine in 1982. Avg 5" dbh and 4 sticks (1/16/19)																											
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Canopy Species	% Cover	Size Class	DBH	Age																														
Jack Pine	100	Pole/Sapling	5	37																														
24	4123 - Red Oak	Sapling Well	6.8	8	Immature	N/A	The stand has lots of scrub oak coming in. It was not scarified when cut as part of PAM Block.																											
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Canopy Species	% Cover	Size Class	DBH	Age																														
Black Cherry	10	Sapling	1																															
Red Oak	75	Sapling	1	8																														
25	42120 - Planted Jack Pine	Poletimber Well	57.6	40	51-80	N/A	The stand was planted to jack pine in 1979. There was some red pine planted also. J4/J5 4-5 stick tall trees. There are some pockets of poor quality aspen.																											
<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>Jack Pine</td> <td>96</td> <td>Pole/Sapling</td> <td>5</td> <td>40</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	96	Pole/Sapling	5	40																	
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Jack Pine	96	Pole/Sapling	5	40																														
26	42120 - Planted Jack Pine	Poletimber Well	34.4	35	1-50	N/A	planted jack pine 1984.																											
<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>Jack Pine</td> <td>100</td> <td>Sapling/Pole</td> <td>4</td> <td>35</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling/Pole	4	35																	
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Jack Pine	100	Sapling/Pole	4	35																														
27	42120 - Planted Jack Pine	Sapling Poor	44.1	4	Immature	N/A	2-0 JP planted in May 2015 under FTP 11-246. 2016 regen survey = 595 JP seedlings/acre. 3rd year survey in 2018.																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>83</td> <td>Sapling</td> <td>1</td> <td>4</td> <td>Jack Pine</td> <td>High</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	Jack Pine	83	Sapling	1	4	Jack Pine	High	< 5 feet	Seeding	Red Oak	10	Sapling	1	4				
Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size																										
Jack Pine	83	Sapling	1	4	Jack Pine	High	< 5 feet	Seeding																										
Red Oak	10	Sapling	1	4																														
28	310 - Herbaceous Openland	Nonstocked	7.0		Unspecified	No	gas pipeline ROW.																											
29	4123 - Red Oak	Sapling Well	12.6	8	Immature	N/A	This stand was J4/J5 before harvest. It was not scarified. It is now a fully stocked oak stand.																											
<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>Jack Pine</td> <td>6</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Quaking Aspen</td> <td>6</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Red Oak</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	6	Sapling	1	8	Quaking Aspen	6	Sapling	1	8	Black Cherry	10	Sapling	1	8	Red Oak	70	Sapling	1	8		
Canopy Species	% Cover	Size Class	DBH	Age																														
Jack Pine	6	Sapling	1	8																														
Quaking Aspen	6	Sapling	1	8																														
Black Cherry	10	Sapling	1	8																														
Red Oak	70	Sapling	1	8																														
30	42120 - Planted Jack Pine	Poletimber Well	378.0	40	51-80	N/A	Disked and planted in 1979. Average diameter of 4-5" dbh and 3 sticks tall (2/4/19).																											
<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>Jack Pine</td> <td>95</td> <td>Sapling/Pole</td> <td>4</td> <td>40</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Sapling/Pole	4	40																	
Canopy Species	% Cover	Size Class	DBH	Age																														
Jack Pine	95	Sapling/Pole	4	40																														
31	42120 - Planted Jack Pine	Poletimber Well	35.0	36	51-80	N/A	Planted jack pine with some red pine mixed in with the planting. The red pine is not performing well. Averaging 2-3 sticks tall and 5" dbh (2/4/19).																											
<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 Pine</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td>36</td> </tr> <tr> <td>Jack Pine</td> <td>80</td> <td>Pole/Sapling</td> <td>5</td> <td>36</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	15	Sapling/Pole	4	36	Jack Pine	80	Pole/Sapling	5	36												
Canopy Species	% Cover	Size Class	DBH	Age																														
Red Pine	15	Sapling/Pole	4	36																														
Jack Pine	80	Pole/Sapling	5	36																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
32	42220 - Natural Jack Pine	Sapling Well	58.4	24	51-80	N/A	J3 in 2009.																				
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Canopy Species	% Cover	Size Class	DBH	Age																							
Jack Pine	95	Sapling	3	24																							
33	4130 - Aspen	Sapling Well	90.2	12	1-50	N/A																					
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Canopy Species	% Cover	Size Class	DBH	Age																							
Quaking Aspen	90	Sapling	1	12																							
115	4193 - Birch, Aspen	Sawtimber Well	8.7	60	81-110	N/A																					
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Canopy Species	% Cover	Size Class	DBH	Age																							
Red Oak	15	Log	14	60																							
Paper Birch	30	Pole	8	60																							
Quaking Aspen	38	Log/Pole	14	60																							