



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11036

Entry Year 2026

Acreage: 1,008

County Houghton

Management Area: Houghton Hardwoods

Stand Examiner: Jason Mittlestat

Legal Description:

HOUGHTON COUNTY, PORTAGE TOWNSHIP
T53N, R35W, Sections 35, 36

Identified Planning Goals:

The Central Houghton management area is on dissected moraines in Central Houghton County. The state forest covers 46,908 acres and is in scattered blocks. The management area is dominated by the northern hardwoods, aspen and lowland conifer cover types. Other attributes that played a role in the definition of this management area include:

- Dominated by the mesic northern forest natural community;
 - High-range in site quality;
 - Provides multiple benefits including forest products and dispersed recreational activities; and
 - Provides a variety of fish and wildlife habitats.
- This management area contains one of the western Upper Peninsula Grouse Enhanced Management Systems areas. This area plan will emphasize balanced age classes of aspen for timber production which will have habitat benefits for ruffed grouse. The boundaries of Grouse Enhanced Management Systems areas will be delineated and an operational plan will be developed during this planning period by the local biologist in collaboration with the Forest Resources Division unit manager and integrated into the plan through the revision process.

The management priority for this area is the production of high-quality timber products, particularly hardwood sawlogs and veneer while maintaining habitat qualities for wildlife species dependent on the northern hardwood communities in this area

Soil and topography:

Munising – Yalmer complex (loamy fine sand and sand), AuGres – Roscommon complex (sand and mucky sands), Kalkaska – Halfaday sands, Halfaday – AuGres sands, Tawas – Roscommon mucks, Keweenaw – Kalkaska complex (loamy sand and sands), Munising loamy fine sand, Skanee – Gay complex (fine sandy loam). Terrain is level to rolling.

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

There is adjacent state owned land to the north in Section 25 and 26. Lands to the east and west are owned by forest industry. The south line is bordered by small private ownership's. The adjacent ownership is managed for timber and hunting.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Thirteen mile creek, and the Sante River and its tributaries are trout streams.

Wildlife Habitat Considerations:

The combination of lowlands and uplands is good black bear habitat. Encouragement of hard- and soft-mast-producing species is desirable when commercial treatments are scheduled. Protection of ephemeral wetlands in northern hardwood stands is important to preserve spring foraging opportunities for bears.

Mineral Resource and Development Concerns and/or Restrictions

Compartment 36: Sections 35 and 36, T53N-R35W, Houghton County

The nearest active sand & gravel mining operation is nearly four miles northeast, and potential for development of sand & gravel within the compartment appears to be limited.

Surface sediments consist of lacustrine (lake) sand and gravel and minor coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The

Jacobsville was previously used as a building stone. The nearest active sand & gravel mining operation is nearly four miles northeast, and potential for development of sand & gravel within the compartment appears to be limited. The compartment is south of the Keweenaw Fault and outside of the copper belt. No known potential for metallic minerals exists beneath the compartment. There is no potential for economic oil and gas production in the UP.

Vehicle Access:

Road access to the greater part of the compartment is from the Dollar Bay Grade. Access has been improved through the corporate land to the north. The east end of the compartment is accessed from Palo Road.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are no developed recreational facilities. There is occasional hunting and fishing.

Fire Protection:

This compartment is very remote with limited public access. Human caused fire occurrence is very low here historically.

Additional Compartment Information:

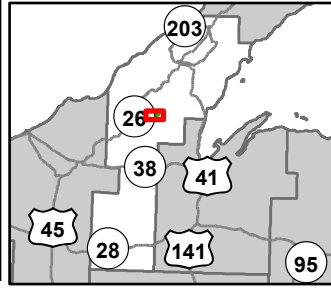
The following reports from the Inventory are attached:

- 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**

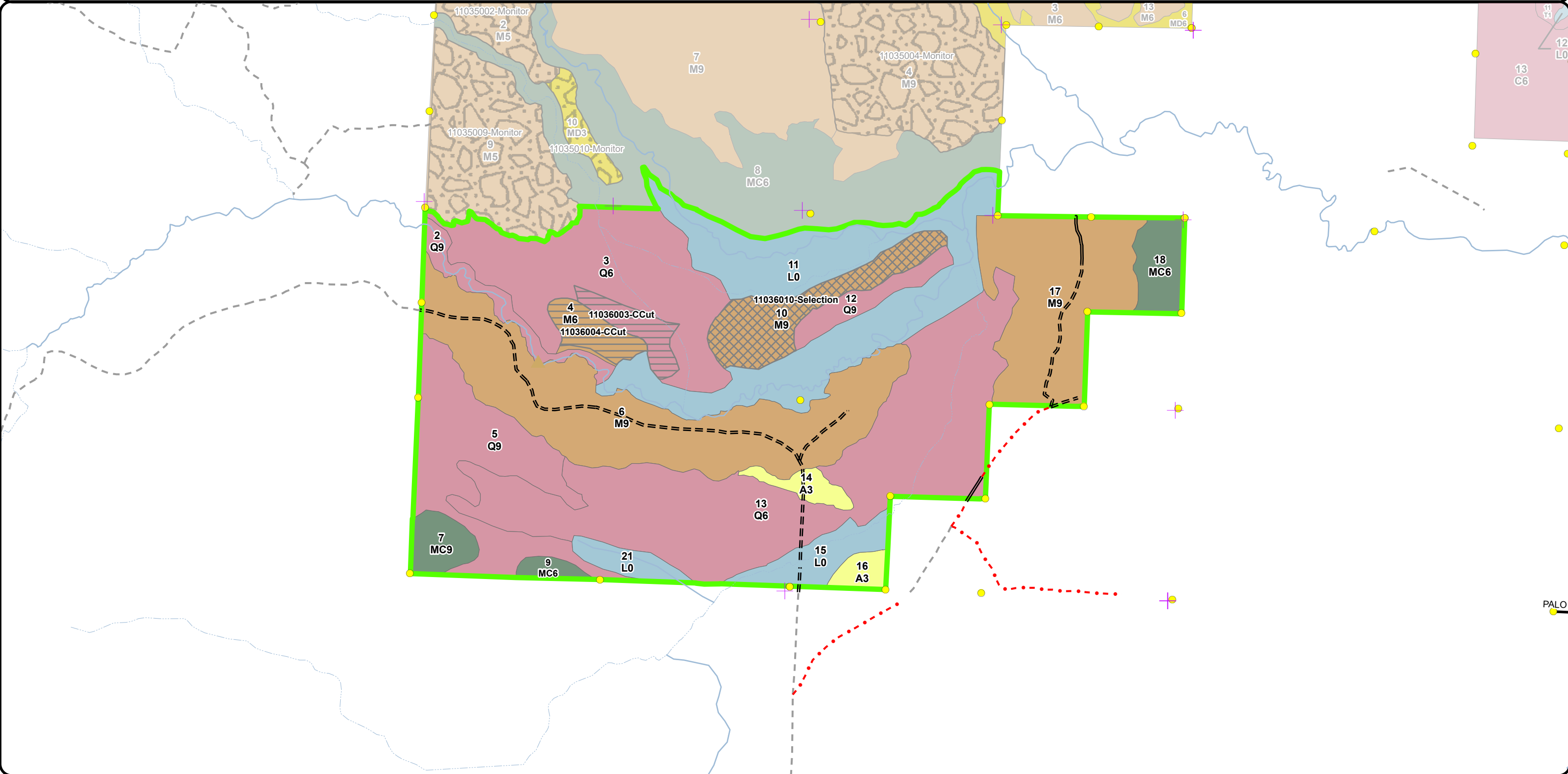
Cover Type & Treatments Map



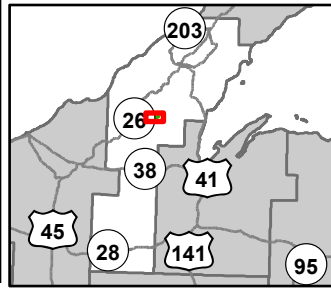
Compartment: 11036
 T53N, R35W, Sec: 25, 26, 35, 36
 County: Houghton
 Unit: Baraga
 Mgmt Area: Houghton Hardwoods
 YOE: 2026
 Acres: 1008.2 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 04/15/2024
 Map Phase: Web Post 1



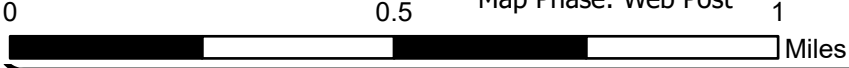
- ▲ Berms
- Survey Grade Corners
- ✚ Remonumented Section Corners
- == DNR - Secondary Forest Road
- === DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⋯ Intermittent Stream
- Perennial River
- ▭ Compartment Boundary
- ▭ Counties
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub



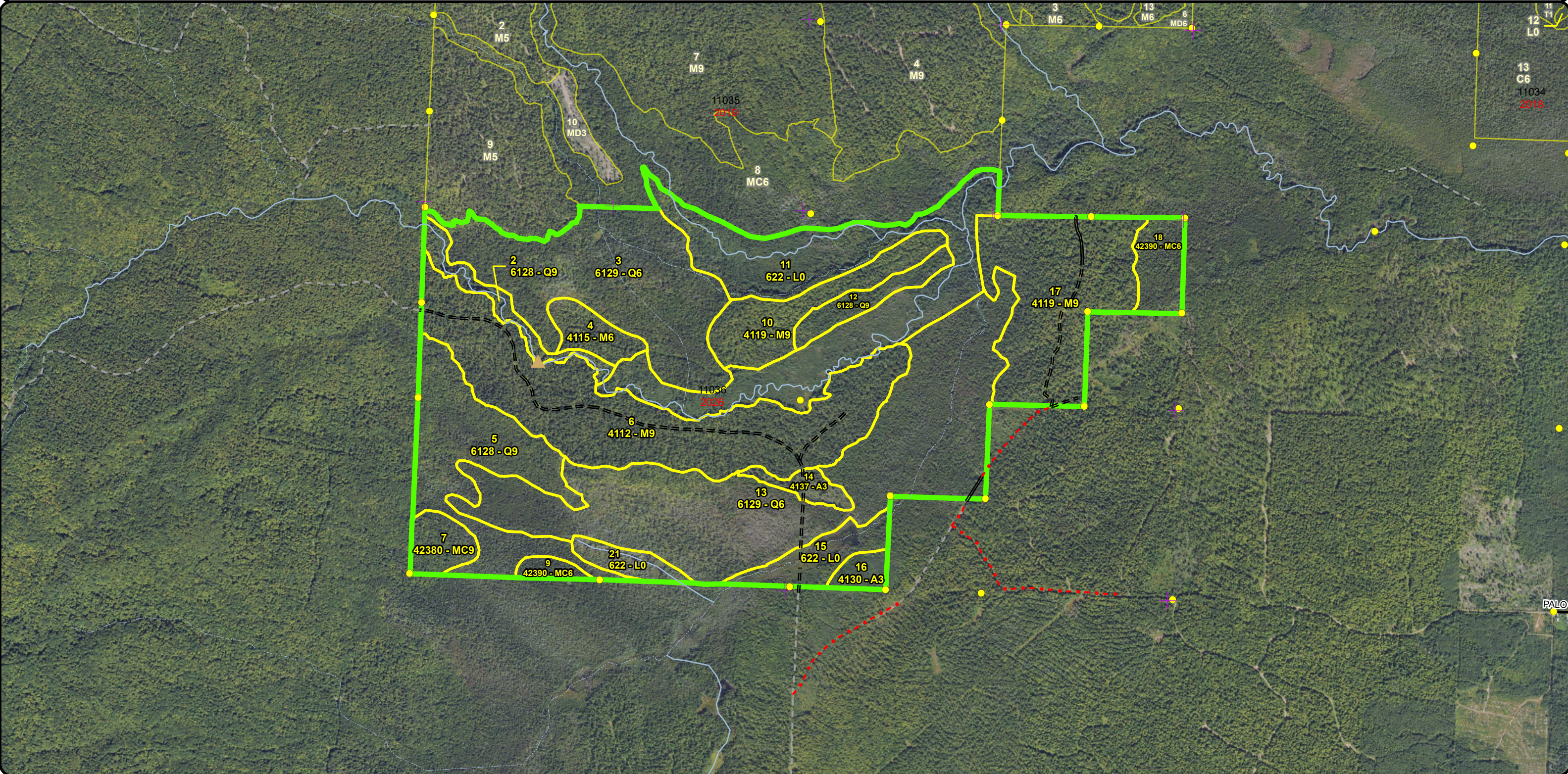
Stand Boundary Map



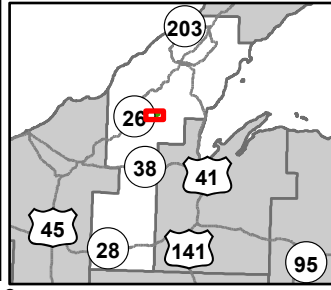
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- ▭ Counties
- ▭ Stand Boundaries
- 413 - Aspen Types
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- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub
- ▭ State Forests
- 411 - Northern Hardwood



**Special Conservation Areas
& Site Conditions Map**



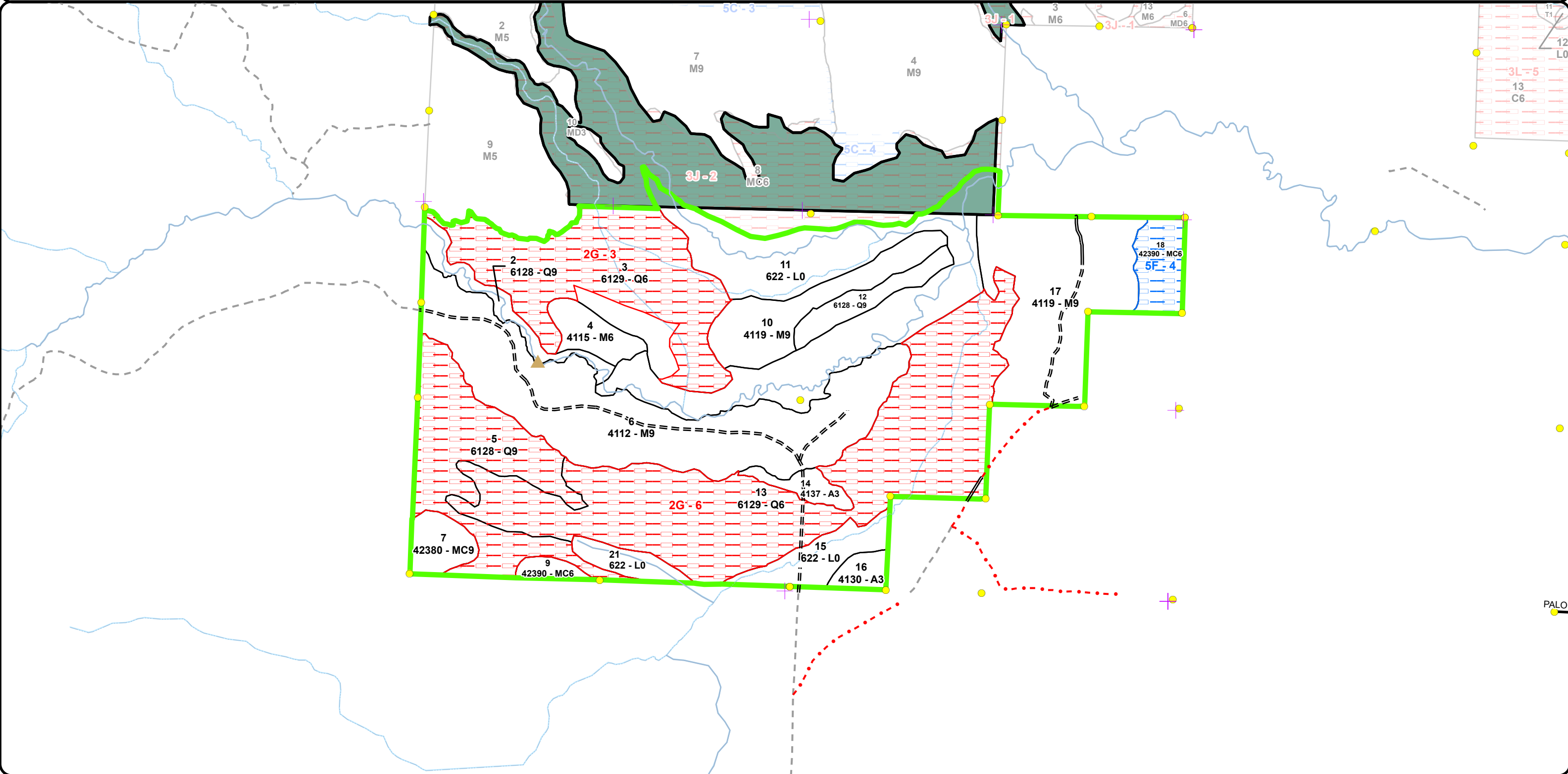
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- ~ Intermittent Stream
- Perennial River
- ▭ Compartment Boundary
- ▭ Counties
- ▭ SCA
- ▭ Available w/ Constraints

- ▭ Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- ▭ Stand Boundaries
- Cold Water Streams
- Vernal Pool

0 0.5 1 Miles



PALO

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+	Unnever-Aged	Total
Aspen	0	9	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	362	0	0	0	0	0	0	99	460
Lowland Shrub	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178
Northern Hardwood	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	298	313
Upland Conifers	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	15	40
Total	178	9	0	8	0	0	0	15	0	362	25	0	0	0	0	0	0	412	1008



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 36

Total Compartment Acres: 1,008

Commercial Harvest - 68
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	14	0	0	0	0	0	0	0	0	14
Northern Hardwood	14	40	0	0	0	0	0	0	0	54
Total	28	40	0	0	0	0	0	0	0	68

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	68	0	0	0	0	0	0	0	0	68
Next Step	0	0	0	0	0	0	68	0	0	68
Total	68	0	0	0	0	0	68	0	0	136



Stand	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:

3	11036003-CCut	13.9	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	98	141-170	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and red oak. Also, reserve all trees 20" DBH and larger.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2025</p>											
4	11036004-CCut	14.4	4115 - Y.Birch, Hemlock NH	Poletimber Well	75	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and red oak. Also, reserve all trees 20" DBH and larger.</p> <p>100' buffer along the Sante River per Fish Div.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2025</p>											
10	11036010-Selection	39.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	109	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to a target of 70 square feet of basal area. Favor oak, and white pine, do not harvest hemlock, or cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2025</p>											

Total Treatment Acreage Proposed: 68.2

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 36
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Available <i>With Condition</i>	Acres Not Available	Dominant Site Conditions		
				5F	2G	
17	17	0	0	Aspen		
460	47	0	413	Lowland Conifers		413
178	178	0	0	Lowland Shrub		
313	313	0	0	Northern Hardwood		
40	21	20	0	Upland Conifers	20	
1,008	576	20	413	Total Forested Acres	20	413
	57%	2%	41%	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
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	109	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5F: Evaluated for Forest Health Considerations	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	304	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 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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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2	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	16.7	99	111-140	N/A	Sante River
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	14	
Northern White Cedar	25	Log/Pole	12	
Hemlock	50	Log/Pole	16	99
Yellow Birch	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Medium	5 - 10 feet	Sapling

3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	123.3	98	141-170	N/A	The stand is dissected by a series of drainages running NW to SE. There should be a little bit of the stand available for harvest that is against stand 4.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	8	
Quaking Aspen	2	Pole	8	
Balsam Fir	10	Pole	8	
Red Maple	10	Pole	8	
White Spruce	10	Pole	8	
Northern White Cedar	48	Pole	8	98
Hemlock	10	Log	14	
White Pine	5	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Hemlock	Medium	5 - 10 feet	Sapling
Northern White Cedar	Low	Variable	Sapling

4	4115 - Y.Birch, Hemlock NH	Poletimber Well	15.4	75	111-140	N/A	"Helicopter Hdwd 1998" Very brushy. Some ash coming in, in the understory.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	34	Pole/Log	10	75
Hemlock	15	Log	14	
Yellow Birch	5	Log/Pole	12	
White Ash	8	Pole	8	
White Spruce	5	Pole/Log	10	
Northern White Cedar	2	Log	12	
Sugar Maple	20	Pole/Log	10	
White Pine	2	XLog	18	
Red Oak	2	Log	14	
Basswood	7	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	10 - 20 feet	Sapling
Ironwood	Medium	10 - 20 feet	Sapling
White Ash	Medium	10 - 20 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling
White Spruce	Medium	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

5	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	82.0	109	111-140	N/A	The stand is dissected by a series of drainages running NW to SE. Heavy strips of cedar.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	25	Log/Pole	14	
Sugar Maple	10	Pole/Log	9	
Yellow Birch	10	Log	12	
White Spruce	8	Log	14	
White Pine	2	XLog	18	
Hemlock	25	Log	16	109
Red Maple	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	High	10 - 20 feet	Sapling
White Spruce	Low	10 - 20 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	159.8	109	81-110	N/A	"Sante River Hdwds 1998" Lots of brush. 2021: Sante River Mix finished cutting Winter 2020/2021.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	2	Log	14	
White Spruce	3	Log	14	
Hemlock	3	Log	16	
Red Maple	25	Log	14	
Sugar Maple	50	Log	14	109
Yellow Birch	10	Log	14	
Black Cherry	5	Log	14	
White Pine	2	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	High	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Yellow Birch	Low	10 - 20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

7	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	14.9	109	111-140	N/A	Headwaters of a tib to the Sante River.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	40	Log	14	109
Sugar Maple	10	Log	14	
Red Maple	15	Log	14	
Northern White Cedar	25	Log	14	
Yellow Birch	10	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Hemlock	Medium	Variable	Sapling
White Spruce	Low	10 - 20 feet	Sapling

9	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	5.6	104	171-200	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Balsam Fir	10	Pole	8	
White Spruce	10	Pole	8	
White Pine	10	Log	16	
Northern White Cedar	48	Pole	8	104
Quaking Aspen	2	Pole	8	
Hemlock	5	Log	14	
Yellow Birch	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	Pole
Red Maple	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10 4119 - Mixed Northern Hardwoods Sawtimber Well 39.9 109 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	5	Log	12		Hemlock	Low	10 - 20 feet	Sapling
White Spruce	3	Log	14		Red Maple	High	10 - 20 feet	Sapling
White Pine	2	XLog	18		Balsam Fir	Medium	10 - 20 feet	Sapling
Sugar Maple	36	Log	14	109	Yellow Birch	Low	10 - 20 feet	Sapling
Hemlock	8	Log	16		Sugar Maple	High	10 - 20 feet	Sapling
Red Maple	30	Log	14		White Spruce	Low	10 - 20 feet	Sapling
Black Ash	2	Log	12					
Northern White Cedar	2	Log	12					
Yellow Birch	10	Log	14					
White Ash	2	Log	12					

11 622 - Lowland Shrub Nonstocked 143.5 Unspecified No

12 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 16.5 109 111-140 N/A Some of the edge of the stand can be cut though.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	20		White Spruce	Low	10 - 20 feet	Sapling
Sugar Maple	5	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling
Black Ash	5	Log	12		Hemlock	Medium	10 - 20 feet	Sapling
White Spruce	5	Log	12		Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	5	Log/Pole	10		Red Maple	Medium	10 - 20 feet	Sapling
Northern White Cedar	20	Log	12		Yellow Birch	Low	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	10		Balsam Fir	High	10 - 20 feet	Sapling
Hemlock	50	Log	16	109				

13 6129 - Mixed Coniferous Lowland Forest Poletimber Well 221.6 98 171-200 N/A Wet

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	2	Pole	8		Northern White Cedar	Low	Variable	Sapling
Northern White Cedar	48	Pole	8	98				
Hemlock	5	Log	14					
White Pine	10	Pole	8					
White Spruce	10	Pole	8					
Red Maple	10	Pole	8					
Yellow Birch	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14 4137 - Aspen, Birch Sapling Well 9.2 4 Immature N/A 2021; Sante River Mix, cut winter 2019/2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Sapling	1		Northern White Cedar	Low	10 - 20 feet	Sapling
Northern White Cedar	3	Pole	9		Hemlock	Low	10 - 20 feet	Sapling
White Pine	2	Log	16					
Paper Birch	20	Sapling	1					
Yellow Birch	1	XLog	20					
Red Maple	8	Sapling	1					
Hemlock	5	Log	16					
White Spruce	5	Sapling	1					
Quaking Aspen	54	Sapling	1	4				

15 622 - Lowland Shrub Nonstocked 22.4 Unspecified No

16 4130 - Aspen Sapling Well 8.0 26 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	95	Sapling	2	26
Red Maple	5	Sapling	2	26

17 4119 - Mixed Northern Hardwoods Sawtimber Well 97.9 109 81-110 N/A Palo Hdwds, Cut winter of 2018-19

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	2	Log	16		Sugar Maple	High	10 - 20 feet	Sapling
White Spruce	3	Log	16		Yellow Birch	Low	10 - 20 feet	Sapling
Northern White Cedar	2	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Basswood	5	Log	16		Black Ash	Low	10 - 20 feet	Sapling
Red Maple	27	Log	14		Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	5	Log	16					
Yellow Birch	5	Pole/Log	10					
Sugar Maple	48	Log	14	109				
Black Ash	3	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 42390 - Mixed Non-Pine Upland Conifers Poletimber Well 19.6 101 171-200 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	2	Pole	8		Northern White Cedar	Low	Variable	Sapling
Northern White Cedar	48	Pole	8	101				
Red Maple	10	Pole	8					
Hemlock	5	Log	14					
White Spruce	10	Pole	8					
White Pine	10	Log	16					
Yellow Birch	5	Pole	8					

21 622 - Lowland Shrub Nonstocked 11.9 Unspecified No