



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11072

Entry Year 2026

Acreage: 965

County Ontonagon

Management Area: Houghton Hardwoods

Stand Examiner: Fred Hansen

Legal Description:

ONTONAGON COUNTY, ONTONAGON TOWNSHIP
T51N, R40W, Sections 12, 13, 14, 23, and 24.

Identified Planning Goals:

Introduction

The Norwich Plains management area is on a dissected till plain in north Ontonagon County. The state forest covers about 4,600 acres and is in a contiguous block. The major ownership in this vicinity is non-industrial private. The management area is dominated by the aspen and northern hardwood cover types. Other attributes that played a role in the definition of this management area include:

- Dominated by the mesic northern forest natural community;
- Mid-range in site quality;
- Provides multiple benefits including forest products and dispersed recreational activities; and
- Provides a variety of fish and wildlife habitats.

The management priority in this area is to continue to provide these multiple benefits while minimizing user conflicts.

Soil and topography:

Lands on the West side of the compartment near Norwich Road are level to rolling, but drop off steeply the the South and East and flatten out as you approach Mill Creek and the Ontonagon River. Soils are Watton-Iron River-Baraga Association (clay loam) on the uplands. Bottom lands consist of Carbondale and Kerston mucks.

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

State ownership is mostly contiguous, bordered by State land on the south and east. The rest of the compartment is surrounded by small private ownerships managed for timber and recreation (hunting camps).

Unique Natural Features:

The Ontonagon River and Mill Creek are adjacent to the east.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The former Ontonagon dump is in section 14.

Watershed and Fisheries Considerations:

The Ontonagon River is a trout stream. Mill Creek and it's tributaries within this compartment are not listed trout streams.

Wildlife Habitat Considerations:

This compartment has a substantial aspen component that should be managed for aspen. Prevention of conversion to other types and age class diversification of aspen is desirable.

Mineral Resource and Development Concerns and/or Restrictions

Compartment 72: Sections 12-14, 23 & 24, T51N-R40W, Ontonagon Co.

Surface sediments consist of lacustrine (lake) clay and silt. The glacial drift thickness varies from 10 to 50 feet. The Precambrian Freda Sandstone sub crops below the glacial drift. The Freda does not have a current economic use. No active sand & gravel mining operations exist in the area, and potential for sand & gravel development within the compartment is considered minimal and would presumably be limited to minor, non-commercial operations (e.g., use by the county road commission). The compartment lies several miles east of the White Pine Mine, where disseminated strata bound copper was mined from the Nonesuch Formation. The top of the Nonesuch is more than 3,000 feet below the surface in the compartment, and it would not be economical to develop a new mine in this area, even if similar concentrations of copper occur within the formation. No other known potential for metallic or critical minerals exists beneath the compartment, and there is no potential for economic oil and gas production in the UP. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the

surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

All vehicle access is from the Norwich road. Access to stands in section 12 and 13 is severely limited by steep terrain or through private property.

Survey Needs:

Some survey is needed for future projects.

Recreational Facilities and Opportunities:

There are no developed recreational facilities in this compartment, nor is there the potential to develop facilities. The area gets moderate recreational use, mostly for hunting.

Fire Protection:

There is very little known fire activity in this compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

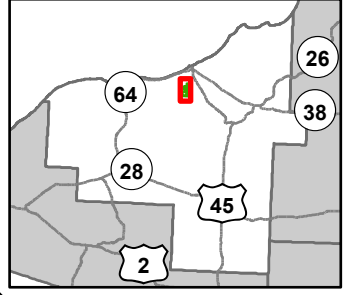
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

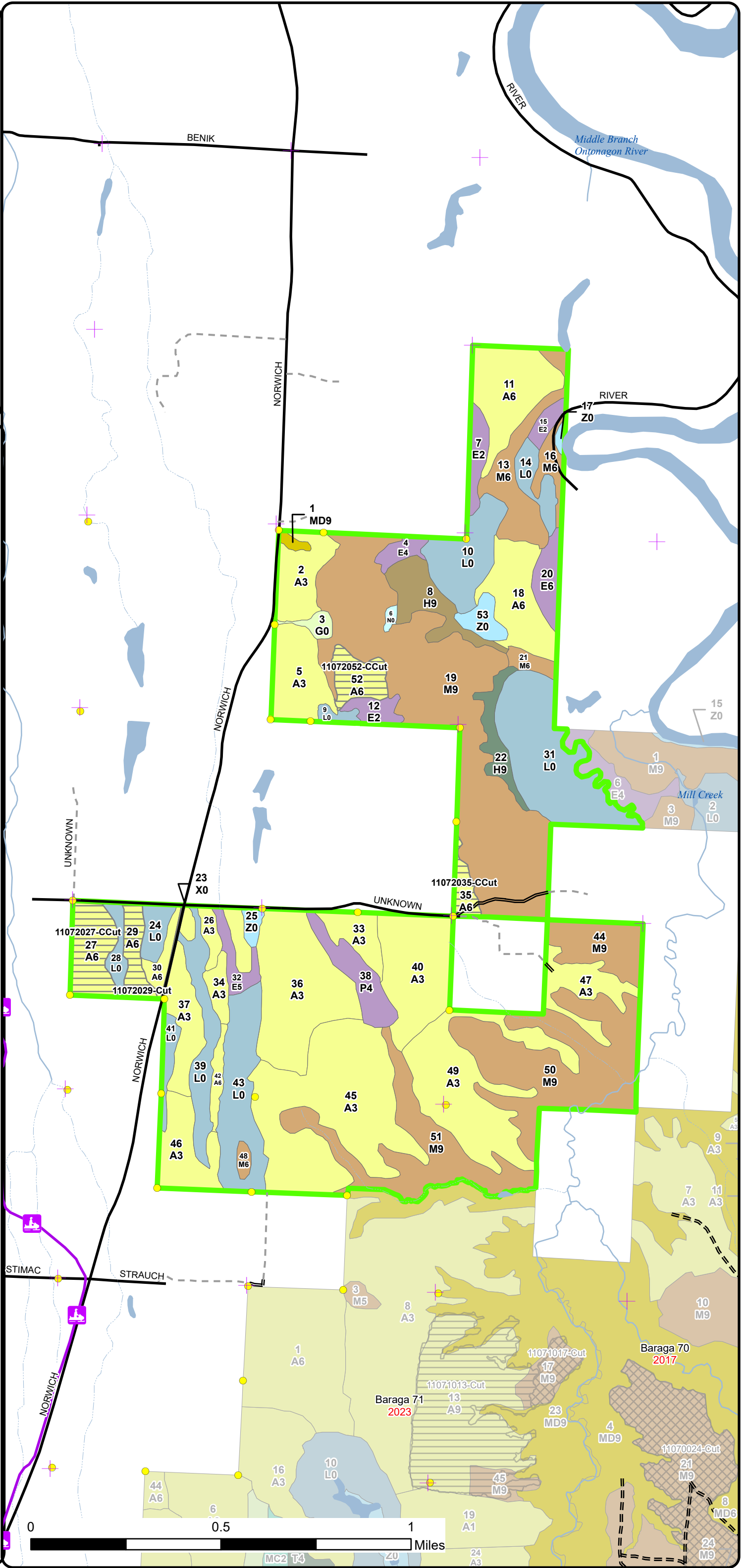
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11072
 T51N, R40W, Sec: 12, 13, 14,
 23, 24
 County: Ontonagon
 Unit: Baraga
 Mgmt Area: Houghton
 Hardwoods
 YOE: 2026
 Acres: 965.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 06/06/2024
 Map Phase: Web Post

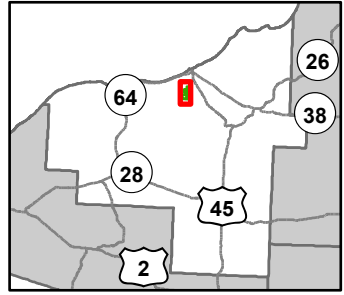


- Survey Grade Corners
- + Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

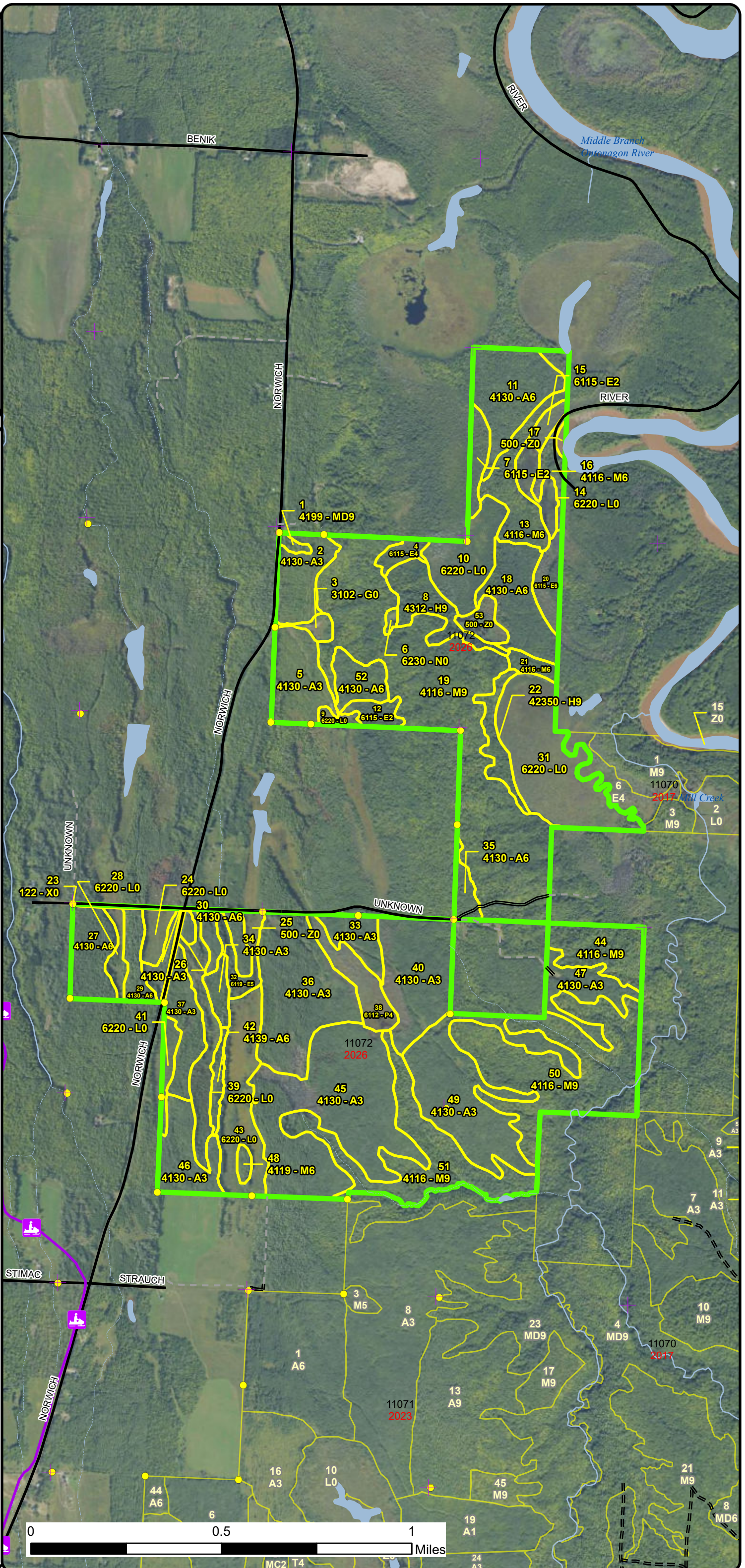


Stand Boundary Map

Compartment: 11072
 T51N, R40W, Sec: 12, 13, 14,
 23, 24
 County: Ontonagon
 Unit: Baraga
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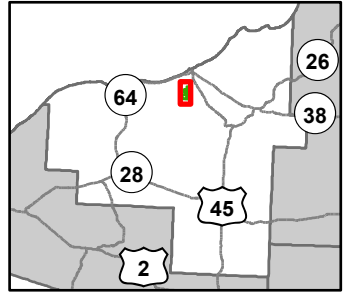


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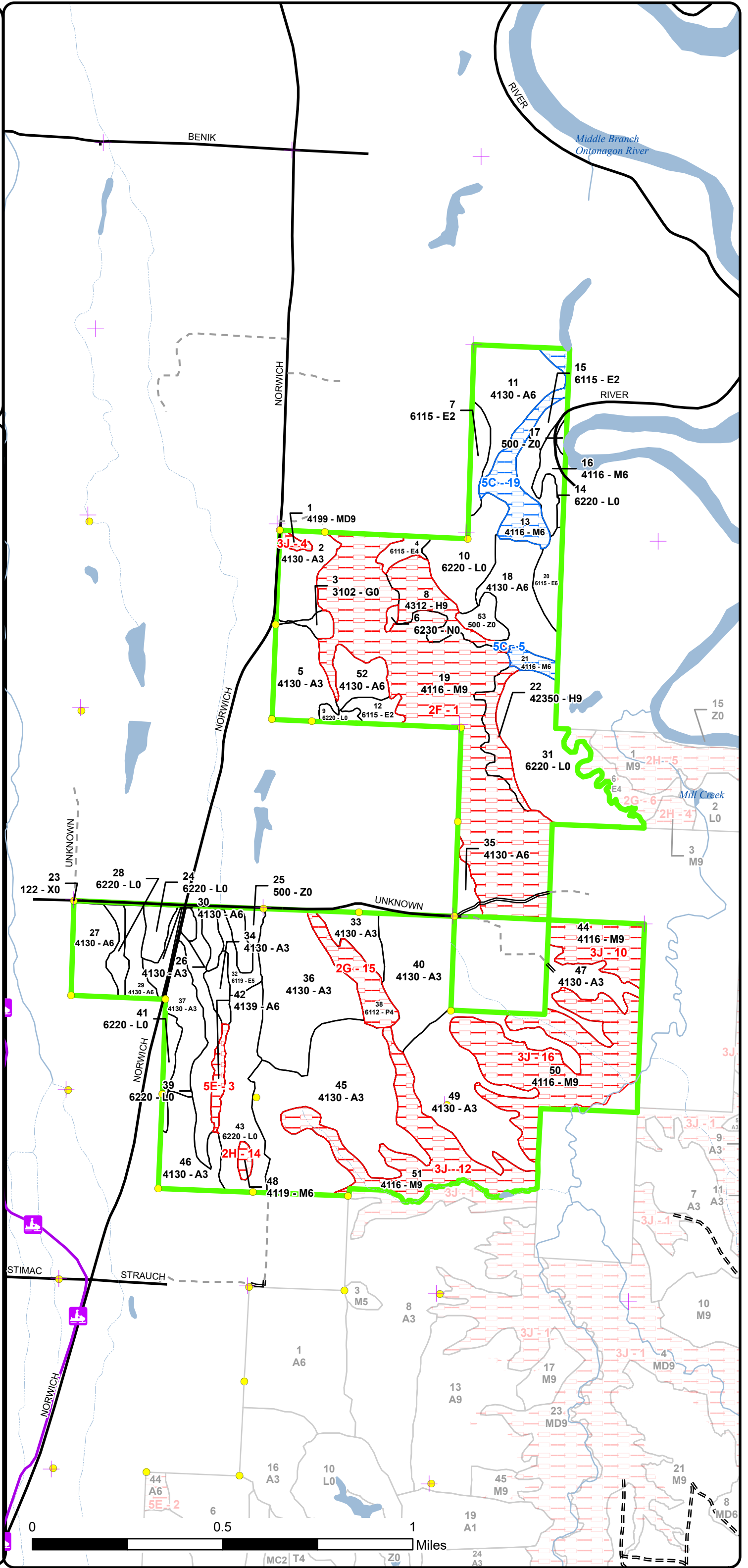


Special Conservation Areas & Site Conditions Map

Compartment: 11072
 T51N, R40W, Sec: 12, 13, 14,
 23, 24
 County: Ontonagon
 Unit: Baraga
 Mgmt Area: Houghton
 Hardwoods
 YOE: 2026
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- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries



0 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+	Unnever-Aged	Total
Aspen	0	37	20	124	150	52	25	20	0	0	0	0	0	0	0	0	0	0	428
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Aspen/Balsam Poplar	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Deciduous	0	0	0	0	0	0	20	6	9	0	0	0	0	0	0	0	0	0	35
Lowland Shrub	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	0	25	7	71	0	0	0	0	0	0	197	300
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	161	37	20	124	150	65	45	28	34	7	71	0	0	0	0	0	0	222	964



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 72

Total Compartment Acres: 965

Commercial Harvest - 41
 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		41	0	0	0	0	0	0	0	0	41
	Total	41	0	0	0	0	0	0	0	0	41

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		41	0	0	0	0	0	0	0	0	41
Next Step		0	0	0	0	0	41	0	0	0	41
	Total	41	0	0	0	0	41	0	0	0	81



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

27	11072027-CCut	16.7	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, white pine, red oak and cedar if they are present.</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 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><u>Proposed Start Date:</u> 10/1 /2025</p>											
29	11072029-Cut	8.4	4130 - Aspen	Poletimber Well	52	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, white pine, red oak and cedar if they are present.</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 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><u>Proposed Start Date:</u> 10/1 /2025</p>											
35	11072035-CCut	5.3	4130 - Aspen	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, white pine, red oak and cedar if they are present.</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 Regen:</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Other Comment:</u> Any combination of the original stands over story species prior to harvest. Old next step comments: Regeneration survey as per work instructions.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
52	11072052-CCut	10.3	4130 - Aspen	Poletimber Well	62	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, white pine, red oak and cedar if they are present.</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 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><u>Proposed Start Date:</u> 10/1 /2025</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
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Total Treatment
Acreage Proposed: 40.7

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 72
Year of Entry: 2026

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

				Dominant Site Conditions	5C	2F	2G	2H	3J	5E
430	425	0	4	Aspen			0		0	4
25	0	0	25	Hemlock		25				
3	3	0	0	Herbaceous Openland						
13	0	0	13	Lowland Aspen/Balsam Poplar			13			
35	35	0	0	Lowland Deciduous						
145	145	0	0	Lowland Shrub						
1	1	0	0	Marsh						
2	0	0	2	Mixed Upland Deciduous					2	
299	10	25	264	Northern Hardwood	25	132		2	130	
2	2	0	0	Urban						
10	10	0	0	Water						
965	632	25	308	Total Forested Acres	25	157	13	2	131	4
	65%	3%	32%	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	2F: Too steep	157	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	4	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 72
Year of Entry: 2026

4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat with adjacent Aspen in 2036.							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	43	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 72
Year of Entry: 2026

16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	67	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat with adjacent Aspen in 2036.							

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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	1.6	68	81-110	N/A	2024: Excluded from sale for BMP's. Long term retention Stand is adjacent to the old Ontonagon Dump.																																				
<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 Oak</td> <td>1</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>33</td> <td>Pole/Log</td> <td>9</td> <td>68</td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Pole/Log</td> <td>8</td> <td>68</td> </tr> <tr> <td>White Ash</td> <td>14</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	1	Log	16		White Pine	2	Log	16		Quaking Aspen	33	Pole/Log	9	68	Hemlock	15	Log	12		Red Maple	35	Pole/Log	8	68	White Ash	14	Pole	6		
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2	4130 - Aspen	Sapling Well	16.5	5	Immature	N/A	2014: Stand was previously harvested in 1962, Norwich Plains MA calls for Aspen to be harvested when it is 50 yrs old. Stand is adjacent to the old Ontonagon Dump. 2021: Cut as part of "Spork Aspen" 11-15-16 during the winter of 2018/19.																																				
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3	3102 - Grass	Nonstocked	3.1		Unspecified	No																																					
4	6115 - Lowland Ash	Poletimber Poor	4.3	57	1-50	N/A	2014: Ash is dying.																																				
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5	4130 - Aspen	Sapling Well	20.9	5	Immature	N/A	2014: Stand was previously harvested in 1962, Norwich Plains MA calls for Aspen to be harvested when it is 50 yrs old. Stand is adjacent to the old Ontonagon Dump. 2021: Cut as part of "Spork Aspen" 11-15-16 during the winter of 2018/19.																																				
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White Ash	4	Sapling	1																																								
Red Oak	2	Log	16																																								
White Pine	2	Log	16																																								
Red Maple	15	Sapling	1																																								
6	6230 - Cattail	Nonstocked	1.1		Unspecified	No																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	6115 - Lowland Ash	Sapling Medium	6.9	57	1-50	N/A	wet
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Ash		90	Sapling	4	57	Tag Alder	
Northern White Cedar		2	Pole	8		Full	
White Spruce		6	Sapling	4		10 - 20 feet	
Red Maple		2	Sapling	3		Tall Shrub	
8	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	15.7	99	81-110	N/A	Too Steep.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		10	Pole/Log	12		Hemlock	
White Ash		5	Pole/Log	10		Sugar Maple	
Yellow Birch		5	Pole/Log	10		Red Maple	
White Spruce		5	Pole/Log	10		Balsam Fir	
Balsam Fir		3	Pole	6			
American Elm		2	Sapling/Pole	4			
Hemlock		45	Log	16	99		
Red Maple		10	Log	12			
Black Ash		5	Pole	8			
Sugar Maple		8	Log	12			
White Pine		2	Log	16			
9	6220 - Alder/willow	Nonstocked	2.4		Unspecified	No	Water, Beaver flooding.
10	6220 - Alder/willow	Nonstocked	22.1		Unspecified	No	2024: Ash has died out of stand.
11	4130 - Aspen	Poletimber Well	28.1	45	Unspecified	N/A	2014: Stand was entered from the north when it was harvested in 1979 through private. Hardwoods Fringe to the east should be managed when this stand is treated in 2036.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole	7		American Elm	
Quaking Aspen		70	Pole	7	45	White Ash	
Balsam Fir		5	Pole	6		Red Maple	
White Spruce		10	Pole	8		Balsam Fir	
White Ash		5	Pole	6			
12	6115 - Lowland Ash	Sapling Medium	5.4	51	1-50	N/A	2014: Area was previously flooded by beaver.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Sapling/Pole	4		Tag Alder	
Black Ash		70	Sapling/Pole	4	51	Full	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
13	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	20.9	78	81-110	N/A	2014: Stand is even aged. Even aged management should be considered in 20 yrs when adjacent aspen stands will be ready for harvest. 2024: Access for harvesting is through private from the north.																																																								
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16	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	6.6	84	81-110	N/A	2014: Stand is a riparian corridor to the Ontonagon River. Commercial Management is not a priority for this stand. 2024: No access to stand.																																																								
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18	4130 - Aspen	Poletimber Well	24.1	42	81-110	N/A	2014: Stand was previously harvested in 1982. Harvest again in 20 yrs. 2024: Access for harvesting is from the north through private.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	132.3	97	111-140	N/A	2014: Stand is "Too Steep". This stand is the transition from the Norwich Plains to the Ontonagon River Valley.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Pole/Log	10		White Ash	Medium	Variable	Sapling
Paper Birch	2	Pole/Log	10		Hemlock	Low	Variable	Sapling
Red Oak	3	Log	16		Balsam Fir	Low	Variable	Sapling
Sugar Maple	30	Log	14	97	Ironwood	Medium	10 - 20 feet	Sapling
White Spruce	3	Pole/Log	10		Sugar Maple	High	Variable	Sapling
Red Maple	20	Log	14					
Hemlock	2	Log	16					
Yellow Birch	8	Pole	8					
Black Ash	2	Log	12					
Basswood	5	Pole/Log	10					
White Ash	5	Pole/Log	10					

20	6115 - Lowland Ash	Poletimber Well	8.6	71	51-80	N/A	2024: No good access.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Pole	8		Tag Alder	High	10 - 20 feet	Tall Shrub
White Spruce	5	Pole	8		Red Maple	Medium	>20 feet	Sapling
Black Ash	68	Pole	6	71	Black Ash	High	>20 feet	Sapling
American Elm	5	Sapling/Pole	4					
Tamarack	5	Pole/Log	10					
Balsam Fir	2	Pole	5					

21	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	4.0	78	81-110	N/A	Riparian Corridor, Ontonagon River Buffer. 2024: access is from the north through private.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Pole	8		Sugar Maple	Medium	>20 feet	Sapling
Quaking Aspen	26	Pole	8		American Elm	Low	>20 feet	Sapling
Hemlock	2	Pole/Log	12		Balsam Fir	Low	Variable	Sapling
Black Ash	5	Pole	5		Red Maple	Medium	>20 feet	Sapling
American Elm	2	Pole	6					
Red Maple	50	Pole/Log	10	78				
White Ash	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
22	42350 - Upland Hemlock	Sawtimber Well	9.2	99	81-110	N/A	2014: Stand is situated on very steep hillside.																																																								
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23	122 - Road/Parking Lot	Nonstocked	2.4		Unspecified	No	intersection of Norwich and Perander Roads.																																																								
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26	4130 - Aspen	Sapling Well	10.4	34	Immature	N/A	2014: Harvested in 1990 as part of "Norwich Road Aspen" (11-003-86-01). Perander Road is a county road that extends 0.7 miles east from Norwich Road according to Mike Moloney, Ontonagon County Road Commission Engineer.																																																								
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27	4130 - Aspen	Poletimber Well	16.7	52	81-110	N/A	2024: Smaller diameter aspen. Age was confirmed.																																																								
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30	4130 - Aspen	Poletimber Well	4.8	34	Unspecified	N/A	2014: Utility line runs through the stand parallel to the norwich road. Stand may have been harvested in 1990 with "Norwich Road Aspen" which was across the road.																																																															
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31	6220 - Alder/willow	Nonstocked	48.3		Unspecified	No																																																																
32	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	6.3	62	1-50	N/A	2014: Stand is wet and has some beaver issues.																																																															
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33	4130 - Aspen	Sapling Well	10.0	27	Unspecified	N/A	2014: Stand was harvested in 1997 with "Frogless Aspen" (11-003-96-01). Perander Road is a county road that extends 0.7 miles east from Norwich Road according to Mike Moloney, Ontonagon County Road Commission Engineer.																																																															
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34	4130 - Aspen	Sapling Well	5.1	15	Unspecified	N/A	2014: Stand was harvested in 2009 with "2-day Aspen" (11-011-06-01)																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
35	4130 - Aspen	Poletimber Well	5.3	61	81-110	N/A	2014: Perander Road is a county road that extends 0.7 miles east from Norwich Road according to Mike Moloney, Ontonagon County Road Commission Engineer. 2024; Stand was previously set up but never cut.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		2	Pole	6		Balsam Fir		
Balsam Fir		3	Pole	6		Red Maple		
Red Oak		2	Log	16		Sugar Maple		
Quaking Aspen		68	Pole/Log	10	61	White Ash		
White Spruce		5	Pole/Log	10		Ironwood		
Red Maple		15	Pole	7				
White Ash		5	Pole	6				
36	4130 - Aspen	Sapling Well	48.5	27	Immature	N/A	2014: Stand was harvested in 1997 with "Frogless Aspen" (11-003-96-01). Perander Road is a county road that extends 0.7 miles east from Norwich Road according to Mike Moloney, Ontonagon County Road Commission Engineer.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		5	Sapling	2				
Quaking Aspen		90	Sapling	2	27			
White Ash		5	Sapling	2				
37	4130 - Aspen	Sapling Well	15.3	15	Immature	N/A	Stand was harvested in 2009 with "2-day Aspen" (11-011-06-01)	
Canopy Species		% Cover	Size Class	DBH	Age			
Balsam Fir		2	Sapling	4				
White Spruce		2	Pole	6				
Paper Birch		2	Sapling	1				
Red Oak		2	Pole	8				
Quaking Aspen		85	Sapling	2	15			
Red Maple		7	Sapling	2				
38	6112 - Lowland Aspen	Poletimber Poor	13.2	49	1-50	N/A	2014: Stand is wet. Some areas are solid tag alder. Possible beaver issues.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		2	Log/Pole	10		Tag Alder		
Tamarack		10	Pole	8		Full		
Quaking Aspen		68	Pole/Sapling	5	49	10 - 20 feet		
White Ash		10	Pole/Sapling	5		Tall Shrub		
Red Maple		10	Pole/Sapling	5				
39	6220 - Alder/willow	Nonstocked	17.6		Unspecified	No	2014: Edges of stand have some trees that were growing on ground deemed too wet to operate on.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
40	4130 - Aspen	Sapling Well	34.4	32	Unspecified	N/A	2014: Stand was harvested in 1992 with "Norwich Road Aspen" (11-003-86-01). Perander Road is a county road that extends 0.7 miles east from Norwich Road according to Mike Moloney, Ontonagon County Road Commission Engineer.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		2	Pole	8		Balsam Fir		Medium	Variable	Sapling
Red Maple		5	Sapling	4						
Quaking Aspen		90	Sapling	4	32					
White Ash		3	Sapling	4						
41	6220 - Alder/willow	Nonstocked	5.1		Unspecified	No				
42	4139 - Aspen, Mixed Deciduous	Poletimber Well	4.3	62	Unspecified	N/A	Long term retention.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Spruce		5	Pole	8		White Ash	Medium	>20 feet	Sapling	
Balsam Fir		5	Pole	6		Tag Alder	High	10 - 20 feet	Tall Shrub	
Quaking Aspen		50	Pole/Log	11	62	Red Maple	Medium	>20 feet	Sapling	
White Ash		5	Pole	8		Balsam Fir	Medium	Variable	Sapling	
Red Maple		35	Pole	8		Quaking Aspen	Low	Variable	Sapling	
43	6220 - Alder/willow	Nonstocked	30.6		Unspecified	No				
44	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	19.5	97	111-140	N/A	2014: Stand is "Too Steep". This stand is the transition from the Norwich Plains to the Ontonagon River Valley. This stand is also a riparian corridor to Mill Creek.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Yellow Birch		8	Pole	8		White Ash	Medium	Variable	Sapling	
Hemlock		2	Log	16		Balsam Fir	Low	Variable	Sapling	
White Ash		5	Pole/Log	10		Ironwood	Medium	10 - 20 feet	Sapling	
Red Oak		3	Log	16		Hemlock	Low	Variable	Sapling	
Quaking Aspen		20	Pole/Log	10		Sugar Maple	High	Variable	Sapling	
Paper Birch		2	Pole/Log	10						
Sugar Maple		30	Log	14	97					
White Spruce		3	Pole/Log	10						
Red Maple		20	Log	14						
Black Spruce		2	Log	12						
Basswood		5	Pole/Log	10						
45	4130 - Aspen	Sapling Well	82.1	32	Unspecified	N/A	Stand was harvested in 1992 with "Norwich Road Aspen" (11-003-86-01).			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Pine		3	Pole/Log	12		Balsam Fir	Low	Variable	Sapling	
Quaking Aspen		85	Sapling	4	32					
Red Oak		2	Pole	8						
White Ash		5	Sapling	3						
Red Maple		5	Sapling	3						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46 4130 - Aspen Sapling Well 18.4 34 Immature N/A Stand was harvested in 1990 with "Norwich Road Aspen" (11-003-86-01).

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	2	Sapling	3	
Quaking Aspen	94	Sapling	4	34
Balsam Fir	2	Sapling	3	
Red Maple	2	Sapling	3	

47 4130 - Aspen Sapling Well 15.4 27 Immature N/A Stand was harvested in 1997 with "Frogless Aspen" 11-003-96-01.

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Pole	8	
Red Maple	10	Sapling	2	
Quaking Aspen	75	Sapling	3	27
Balsam Fir	5	Pole/Sapling	5	
Black Cherry	5	Sapling	2	

48 4119 - Mixed Northern Hardwoods Poletimber Well 2.0 62 51-80 N/A Island stand in the middle of a tag alder low area.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Pole/Log	10		Quaking Aspen	Medium	>20 feet	Sapling
Quaking Aspen	10	Pole	8		Balsam Fir	Medium	Variable	Sapling
White Ash	5	Pole	8		White Ash	Medium	>20 feet	Sapling
Paper Birch	5	Pole	8		Red Maple	Medium	>20 feet	Sapling
Red Maple	75	Pole/Log	10	62				

49 4130 - Aspen Sapling Well 50.5 27 Immature N/A Stand was harvested in 1997 with "Frogless Aspen" (11-003-96-01).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	3		Balsam Fir	Low	Variable	Sapling
Red Oak	2	Pole	8					
White Ash	5	Sapling	3					
Quaking Aspen	85	Sapling	3	27				
Black Cherry	3	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	70.7	97	111-140	N/A	2014: Stand is "Too Steep". This stand is the transition from the Norwich Plains to the Ontonagon River Valley. This stand is also a riparian corridor to Mill Creek.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Sugar Maple					30	Log	14	97	Hemlock				Low	Variable	Sapling
White Spruce					3	Pole/Log	10		White Ash				Medium	Variable	Sapling
Red Maple					20	Log	14		Ironwood				Medium	Variable	Sapling
Black Spruce					2	Log	12		Balsam Fir				Low	Variable	Sapling
Yellow Birch					8	Pole	8		Sugar Maple				High	Variable	Sapling
Hemlock					2	Log	16								
White Ash					5	Pole/Log	10								
Paper Birch					2	Pole/Log	10								
Red Oak					3	Log	16								
Basswood					5	Pole/Log	10								
Quaking Aspen					20	Pole/Log	10								

51	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	43.4	97	111-140	N/A	2014: Stand is "Too Steep". This stand is the transition from the Norwich Plains to the Ontonagon River Valley. This stand is also a riparian corridor to Mill Creek.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Basswood					5	Pole/Log	10		Ironwood				Medium	10 - 20 feet	Sapling
Paper Birch					2	Pole/Log	10		Sugar Maple				High	Variable	Sapling
Quaking Aspen					20	Pole/Log	10		Balsam Fir				Low	Variable	Sapling
White Ash					5	Pole/Log	10		Hemlock				Low	Variable	Sapling
Red Maple					20	Log	14		White Ash				Medium	Variable	Sapling
Hemlock					2	Log	16								
Yellow Birch					8	Pole	8								
Black Ash					2	Log	12								
Red Oak					3	Log	16								
Sugar Maple					30	Log	14	97							
White Spruce					3	Pole/Log	10								

52	4130 - Aspen	Poletimber Well	10.3	62	Unspecified	N/A	2014: Stand was previously harvested in 1962, Norwich Plains MA calls for Aspen to be harvested when it is 50 years old. 2024: Stand was previously set up in 2016 but never cut. Bridge needed.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Ash					4	Pole	6		White Ash				Full	>20 feet	Sapling
Hemlock					2	Log	12		Red Maple				Low	>20 feet	Sapling
Red Oak					2	Log	16		Red Oak				Low	5 - 10 feet	Sapling
Red Maple					15	Pole	8		Paper Birch				Low	10 - 20 feet	Sapling
White Pine					2	Log	16		Sugar Maple				Medium	>20 feet	Sapling
Quaking Aspen					75	Pole/Log	10	62							

53	500 - Water	Nonstocked	5.9		Unspecified	No	
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