



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 67

Entry Year 2016

Acreage: 2,627

County Ontonagon

Management Area: Central Houghton

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**Revision Date:** 04/09/2014

**Stand Examiner:** Fred Hansen

## Legal Description:

ONTONAGON COUNTY, BOHEMIA TOWNSHIP  
T51N, R37W, Sections 3, 9, 10, 11, 15, 16, 21, and 22.  
T52N, R37W, Section 33

## 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:

The land is rolling to hilly, with steep slopes and deep gullies along drainages. Soils are Ontonagon loam; Ontonagon, Watton and Iron River clay loams; Bohemia fine sandy loam; and AuTrain and Rubicon sands.

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

Much of the adjacent land is managed for timber, either by forest industry or by small private landowners. Ownership in section 11 is limited to the rail-trail grade.

## 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:

No sites are designated.

## Watershed and Fisheries Considerations:

The East Branch of the Firesteel River and its tributaries are trout streams. Manage to protect water quality.

## Wildlife Habitat Considerations:

The river drainages and gullies tend to direct wildlife movements.

## Mineral Resource and Development Concerns and/or Restrictions

Compartment 67: Sections 3, 9-11, & 15-16, T51N-R37W, Ontonagon Co.  
Surface sediments consist of lacustrine (lake) clay and silt and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone, Copper Harbor Conglomerate and Portage Lake Volcanics subcrop below the glacial drift. The Jacobsville was previously used as a building stone and the Portage Lake was mined for copper. The abandoned Henwood copper mine is located in the Compartment. The compartment probably was leased long ago, but not currently. The State land to the south is part of a metallic lease nomination. Gravel

pits are located in the Compartment and potential should be good in places. There is no economic oil and gas production in the UP.

**Vehicle Access:**

M-26 provides most of the access. There are seasonal roads off of the highway.

**Survey Needs:**

Survey work is in progress.

**Recreational Facilities and Opportunities:**

The Bill Nicholls Rail-Trail crosses this compartment and is a designated Snowmobile/ATV trail. There are no other facilities and no opportunities for additional facilities.

**Fire Protection:**

This is not a fire prone area.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

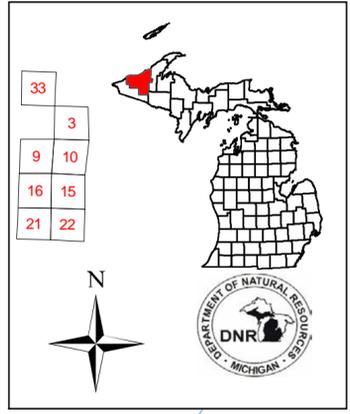
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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 & Treatment Map

Compartment: 67  
 T51N R37W Sec. 3, 9, 10, 15, 16, 21, 22  
 T52N R37W Sec. 33  
 County: Ontonagon  
 Unit: Baraga  
 YOE: 2016  
 Acres: 2,627 GIS Calculated  
 Examiner: Fred Hansen  
 Map Revised: 05/20/2014  
 Map Phase: Pre-Review



Stand #	Stocking Density
23	
(412)0 - A7	
Level 3 OI	
Level 4 Code	
<b>Cover Type Code</b>	

**Legend**

- ◆ Survey Grade
- ⊕ Remonumented Section Corners
- ⊕ Miris Corners
- State Highway
- Highway
- Gravel Roads
- Poor Dirt Roads
- Powerline
- ORV Routes
- Snowmobile Trails
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

**Forest Stands**

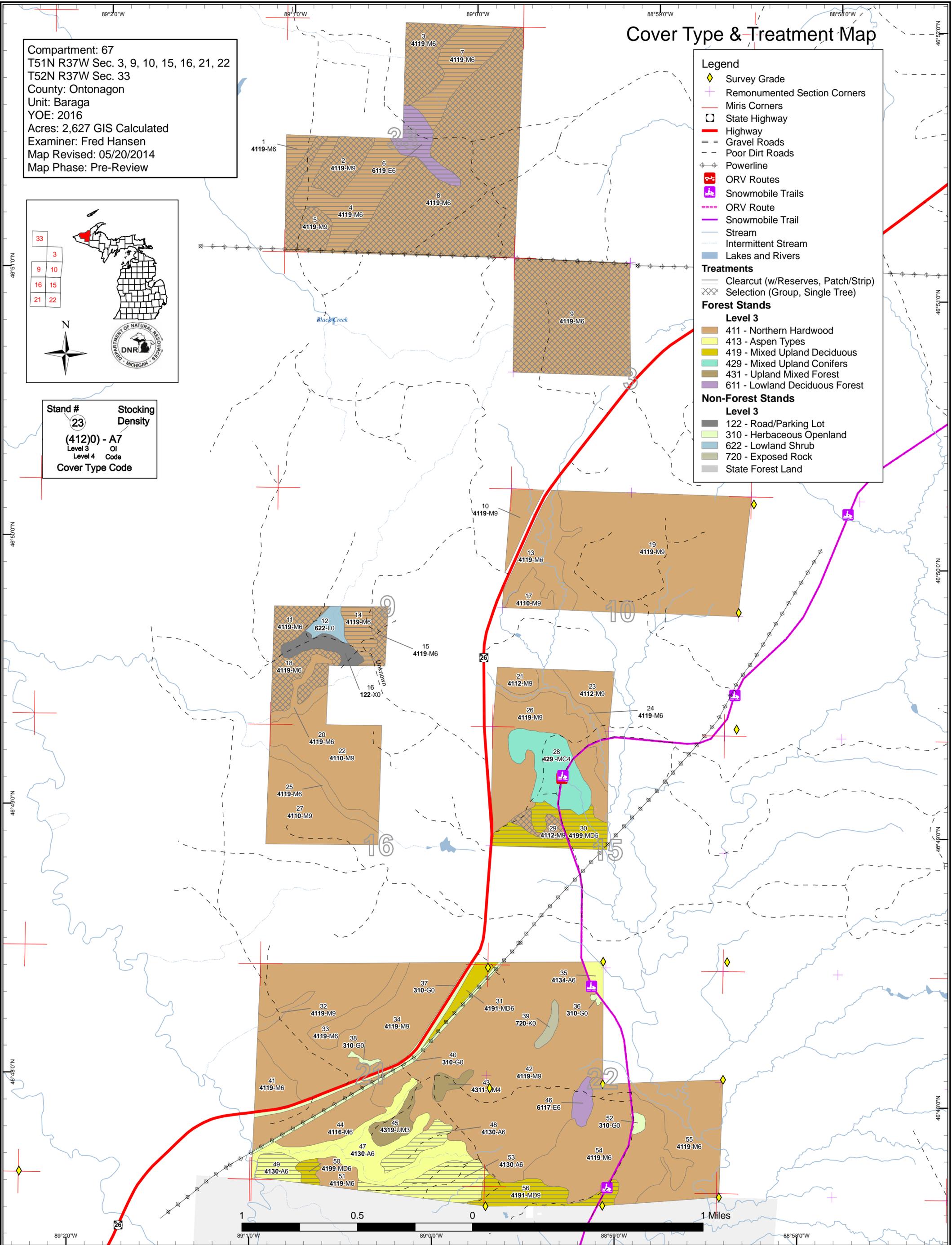
**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest

**Non-Forest Stands**

**Level 3**

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 720 - Exposed Rock
- State Forest Land

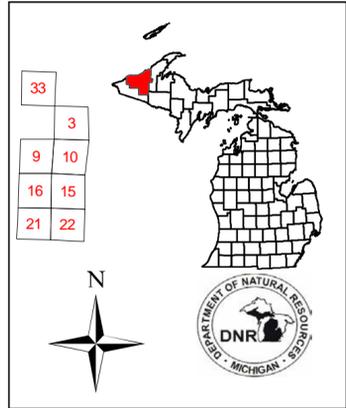


89°20'W 89°10'W 89°00'W 88°50'W 88°40'W

46°51'0"N 46°45'0"N 46°39'0"N 46°33'0"N 46°27'0"N 46°21'0"N



Compartment: 67  
 T51N R37W Sec. 3, 9, 10, 15, 16, 21, 22  
 T52N R37W Sec. 33  
 County: Ontonagon  
 Unit: Baraga  
 YOE: 2016  
 Acres: 2,627 GIS Calculated  
 Examiner: Fred Hansen  
 Map Revised: 05/20/2014  
 Map Phase: Pre-Review



Stand # **23** Stocking Density  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

**Legend**

- ◆ Survey Grade
- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

**Site Condition Type**

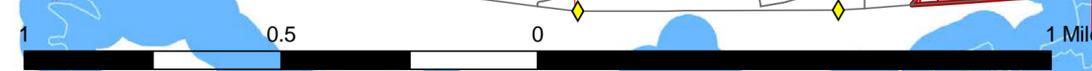
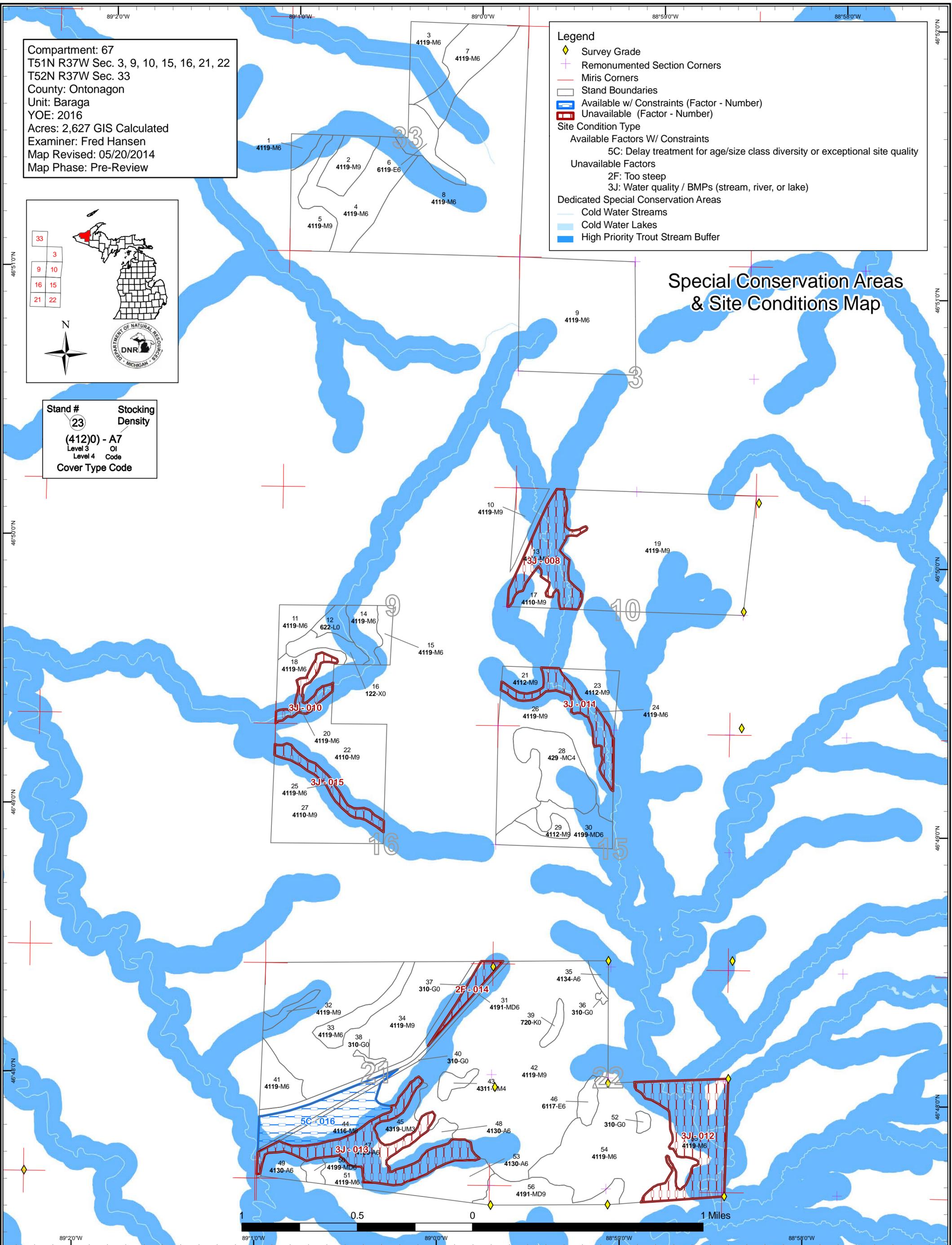
Available Factors W/ Constraints  
 5C: Delay treatment for age/size class diversity or exceptional site quality

Unavailable Factors  
 2F: Too steep  
 3J: Water quality / BMPs (stream, river, or lake)

**Dedicated Special Conservation Areas**

- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

## Special Conservation Areas & Site Conditions Map



Report 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneven Age
Aspen	0	0	0	6	0	133	0	0	0	0	0	0	0	0	138
Exposed Rock	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Deciduous	0	0	0	0	9	0	23	0	0	0	0	0	0	0	31
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	76	0	0	0	0	0	0	0	11	87
Northern Hardwood	0	0	0	0	0	70	0	120	0	0	0	0	0	2042	2231
Upland Conifers	0	0	49	0	0	0	0	0	0	0	0	0	0	0	49
Upland Mixed Forest	0	0	14	0	7	0	0	0	0	0	0	0	0	0	21
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>69</b>	<b>0</b>	<b>63</b>	<b>6</b>	<b>16</b>	<b>279</b>	<b>23</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2053</b>	<b>2627</b>



## Report 2 – Proposed Treatment Summaries

**Baraga Mgt. Unit**  
**Year of Entry 2016**

**Compartment 067**  
**Total Compartment Acres: 2,627**

### Acres by Treatment Type

Commercial Harvest - 861    Tree Planting - 0    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen Types</b>	65	0	0	0	0	0	0	65
<b>Lowland Deciduous Forest</b>	23	0	0	0	0	0	0	23
<b>Mixed Upland Deciduous</b>	76	0	0	0	0	0	0	76
<b>Northern Hardwood</b>	136	561	0	0	0	0	0	697
<b>Total</b>	<b>300</b>	<b>561</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>861</b>

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1 11067001-Cut	8.3	4119 - Mixed Northern Hardwoods	High Density Pole	73	81-110	Harvest	Clearcut with Reserves	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Harvest all species down to 4.6 inches DBH except hemlock, oak, yellow birch and white pine. Also reserve cedar if present. Retention for this stand will be greater than 3% and will consist of reserve tree species. Leave tree mark large diameter ash for future snags at 1-3 per acre.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

2 11067002-Cut	24.6	4119 - Mixed Northern Hardwoods	High Density Log	99	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, large yellow birch, white pine and cedar where 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

3 11067003-Cut	34.6	4119 - Mixed Northern Hardwoods	High Density Pole	99	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, large yellow birch, white pine and cedar where 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

4 11067004-Cut	67.3	4119 - Mixed Northern Hardwoods	High Density Pole	73	81-110	Harvest	Clearcut with Reserves	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, elm, oak, yellow birch and white pine. Also reserve cedar if present. Retention for this stand will be greater than 3% and will consist of reserve tree species. Leave tree mark large diameter ash for future snags at 1-3 per acre.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	11067005-Cut	32.8	4119 - Mixed Northern Hardwoods	High Density Log	99	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, large yellow birch, hemlock, white pine and cedar where present. Oak should be <u>Specs:</u> released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
6	11067006-Cut	22.6	6119 - Mixed Lowland Deciduous Forest	High Density Pole	68		Harvest	Clearcut with Reserves	6119 - Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
<u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, elm, oak, yellow birch and white pine. Also reserve cedar if present. Retention for <u>Specs:</u> this stand will be greater than 3% and will consist of reserve tree species. Leave tree mark large diameter ash for future snags at 1-3 per acre.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u> Regeneration survey as per work instructions.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
7	11067007-Cut	44.0	4119 - Mixed Northern Hardwoods	High Density Pole	73	81-110	Harvest	Clearcut with Reserves	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Harvest all species down to 4.6 inches DBH except elm, hemlock, oak, yellow birch and white pine. Also reserve cedar if present. Retention for <u>Specs:</u> this stand will be greater than 3% and will consist of reserve tree species. Leave tree mark large diameter ash for future snags at 1-3 per acre.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u> Regeneration survey as per work instructions.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
8	11067008-Cut	246.9	4119 - Mixed Northern Hardwoods	High Density Pole	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Favor black cherry, oak, hemlock, white pine and cedar where present. Oak should be released <u>Specs:</u> on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Areas with high amounts of dieback and/or red oak may be clearcut. Follow all guidelines set forth in "The Complete Marker".										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	11067009-Cut	157.5	4119 - Mixed Northern Hardwoods	High Density Pole	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor black cherry, oak, hemlock, white pine and cedar where 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 less than 100 sqft of BA. Areas with high amounts of dieback and/or red oak may be clearcut. Follow all guidelines set forth in "The Complete Marker".

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2015

11	11067011-Cut	17.9	4119 - Mixed Northern Hardwoods	High Density Pole	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Some steep slopes may alter the size of this stand.  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2015

14	11067014-Cut	16.9	4119 - Mixed Northern Hardwoods	High Density Pole	56	81-110	Harvest	Clearcut with Reserves	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, red oak and white pine, and aspen. Also reserve cedar if present. Retention for this stand will be greater than 3% and will consist of reserve tree species.

Other  
Comments:

Next Regeneration survey as per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2015

15	11067015-Cut	9.7	4119 - Mixed Northern Hardwoods	High Density Pole	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, large aspen, hemlock, white pine and cedar where 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 less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2015

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18 11067018-Cut	27.6	4119 - Mixed Northern Hardwoods	High Density Pole	99	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, large aspen, hemlock, white pine and cedar where present. Oak should be released  
Specs: on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

29 11067029-Cut	9.2	4112 - Maple, Beech, Cherry Association	High Density Log	99	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, yellow birch, white pine and cedar where present. Oak should be released  
Specs: on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

30 11067030-Cut	37.8	4199 - Other Mixed Upland Deciduous	High Density Pole	56		Harvest	Clearcut with Reserves	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, red oak and white pine. Also reserve cedar if present. Retention for this stand will  
Specs: be greater than 3% and will consist of reserve tree species. Leave two clumps of aspen in harvest area.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

48 11067048-Cut	16.2	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription  
Specs: Harvest all species down to 4.6 inches DBH except hemlock, black cherry, red oak and white pine. Also, cedar if present. Retention for this stand will be greater than 3% and will consist of reserve tree species.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
49	11067049-Cut	12.7	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Harvest all species down to 4.6 inches DBH except hemlock, black cherry, red oak and white pine. Also, cedar if present. Retention for this  
Specs: stand will be greater than 3% and will consist of reserve tree species.

Other  
Comments:

Next Regeneration survey as per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2015

50	11067050-Cut	5.5	4199 - Other Mixed Upland Deciduous	High Density Pole	57	81-110	Harvest	Clearcut with Reserves	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, black cherry, red oak and white pine. Also, cedar if present. Retention for this  
Specs: stand will be greater than 3% and will consist of reserve tree species.

Other  
Comments:

Next Regeneration survey as per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2015

53	11067053-Cut	36.0	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, black cherry, red oak and white pine. Also, cedar if present. Retention for this  
Specs: stand will be greater than 3% and will consist of reserve tree species. Favor future snags.

Other  
Comments:

Next Regeneration survey as per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2015

56	11067056-Cut	32.6	4191 - Mixed Upland Deciduous with Conifer	High Density Log	57	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, black cherry, red oak and white pine. Also, cedar if present. Retention for this  
Specs: stand will be greater than 3% and will consist of reserve tree species.

Other Staff may need to identify areas where equipment should be prohibited to preserve the integrity of old foundations, wells, i.e....  
Comments:

Next Regeneration survey as per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2015

**Total Treatment  
Acreage Proposed: 860.6**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment**  
**Acreage Proposed: 0.0**



**Availability for Management**

Total Acres	Acres		Dominant Site Conditions	No	5C	3J	2F
	Available	Not Available					
137	70	67	Aspen	70		67	
31	31		Lowland Deciduous	31			
87	77	10	Mixed Upland Deciduous	77			10
2229	2043	186	Northern Hardwood	1,990	53	186	
49	49		Upland Conifers	49			
21	21		Upland Mixed Forest	21			
2,554	2,291	263	Total Forested Acres	2,238	53	253	10
	90%	10%	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
008	Not Available	3J: Water quality / BMPs (stream, river, or lake)	46				
Comments:							
010	Not Available	3J: Water quality / BMPs (stream, river, or lake)	13				
Comments:							
011	Not Available	3J: Water quality / BMPs (stream, river, or lake)	27				
Comments:							
012	Not Available	3J: Water quality / BMPs (stream, river, or lake)	85	3A: Potential old growth / biodiversity			
Comments:							

Report 5 – Site Conditions

Baraga Mgt. Unit  
Fred Hansen : Examiner

Compartment 067  
Year of Entry 2016



013	Not Available	3J: Water quality / BMPs (stream, river, or lake)	68
Comments:			
014	Not Available	2F: Too steep	10
Comments:			
015	Not Available	3J: Water quality / BMPs (stream, river, or lake)	16
Comments:			
016	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59
Comments:			



### Report 6 – 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
<b>Comments</b>				



## Report 7 – 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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.

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## Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 067  
Year of Entry: 2016

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4119 - Mixed Northern Hardwoods	High Density Pole	8.3	73	81-110	Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd)
4119 - Mixed Northern Hardwoods	High Density Log	24.6	Uneven Age	81-110	Selection cut in 1994 (Bay Hdwd SW)
4119 - Mixed Northern Hardwoods	High Density Pole	34.6	Uneven Age	81-110	Selection cut in 1994 (ay Hdwd)
4119 - Mixed Northern Hardwoods	High Density Pole	67.3	73	81-110	Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd)
4119 - Mixed Northern Hardwoods	High Density Log	32.8	Uneven Age	81-110	Selection cut in 1994 (Bay Hdwd SW)
6119 - Mixed Lowland Deciduous Forest	High Density Pole	22.6	68		
4119 - Mixed Northern Hardwoods	High Density Pole	44.0	73	81-110	Ash and dieback Salvage, stand was selection cut in 1994 (Bay Hdwd)
4119 - Mixed Northern Hardwoods	High Density Pole	246.9	Uneven Age	111-140	TSI in 1975. Selection cut in 1994 (Bay Hdwd)
4119 - Mixed Northern Hardwoods	High Density Pole	157.5	Uneven Age	111-140	
4119 - Mixed Northern Hardwoods	High Density Log	16.3	Uneven Age	81-110	Poor qualityhdwds. some dieback, drainage runs through stand.
4119 - Mixed Northern Hardwoods	High Density Pole	17.9	Uneven Age	111-140	
4119 - Mixed Northern Hardwoods	High Density Pole	46.0	Uneven Age	81-110	
4119 - Mixed Northern Hardwoods	High Density Pole	16.9	56	81-110	
4119 - Mixed Northern Hardwoods	High Density Pole	9.7	Uneven Age	111-140	
4110 - Sugar Maple Association	High Density Log	12.9	Uneven Age	81-110	Selection cut in 2006 (HWY Hdwd)
4119 - Mixed Northern Hardwoods	High Density Pole	27.6	Uneven Age	81-110	Gullies and ridges
4119 - Mixed Northern Hardwoods	High Density Log	256.5	Uneven Age	81-110	Selection cut in 2005-2006 (HWY Hdwd, Off Road Hdwd). Some inoperable ground.
4119 - Mixed Northern Hardwoods	High Density Pole	12.9	Uneven Age		Creek bottom with steep slopes



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4112 - Maple, Beech, Cherry Association	High Density Log	11.3	Uneven Age	81-110	Selection cut in 2003 (Henwood Hdwd) Some areas of dieback.
22	4110 - Sugar Maple Association	High Density Log	83.5	Uneven Age	81-110	Selection cut in 2003 (Last Limp Hdwd)
23	4112 - Maple, Beech, Cherry Association	High Density Log	23.0	Uneven Age	81-110	
24	4119 - Mixed Northern Hardwoods	High Density Pole	27.3	Uneven Age	111-140	
25	4119 - Mixed Northern Hardwoods	High Density Pole	15.4	Uneven Age		creek bottom with steep slopes
26	4119 - Mixed Northern Hardwoods	High Density Log	89.6	Uneven Age	81-110	Selection cut in 2003 (Henwood Hdwd) Some areas of dieback.
27	4110 - Sugar Maple Association	High Density Log	68.6	Uneven Age	81-110	Selection cut in 2003 (Last Limp Hdwd).
28	429 - Mixed Upland Conifers	Low Density Pole	48.6	26	1-50	Old clearing (mine Site) converted to forested. Good opportunity for wildlife Div. to do something.
29	4112 - Maple, Beech, Cherry Association	High Density Log	9.2	Uneven Age	81-110	
30	4199 - Other Mixed Upland Deciduous	High Density Pole	37.8	56		Poor Quality, Some dieback, good advanced oak regen.
31	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	11.0	Uneven Age		Steep slope between Hwy and power line, inoperable.
32	4119 - Mixed Northern Hardwoods	High Density Log	6.0	Uneven Age	81-110	Steep slope, inoperable ground
33	4119 - Mixed Northern Hardwoods	High Density Pole	22.0	Uneven Age		Inoperable ground
34	4119 - Mixed Northern Hardwoods	High Density Log	205.1	Uneven Age	81-110	Selection cut in 2006 (Superior View Hdwd)
35	4134 - Aspen, Spruce/Fir	High Density Pole	5.6	35		
41	4119 - Mixed Northern Hardwoods	High Density Pole	22.0	Uneven Age	81-110	Some steep slopes and wetter ground , cut with adj Hdwd in 2026
42	4119 - Mixed Northern Hardwoods	High Density Log	334.8	Uneven Age	81-110	Selection cut in 2005 (Old Indiana Hdwd, and Fire steel Mine)
43	4311 - Pine, Aspen Mix	Low Density Pole	7.4	40		Converted to forested, Indiana Mine Shafts # 1 & 2,. Some apple trees.

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Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 067  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4116 - Mixed N. Hardwood - Aspen	High Density Pole	53.3	52	111-140	Possible clearcut in 2026, poor quality and some dieback
45	4319 - Mixed Upland Forest	High Density Sapling	14.0	21		
46	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.8	48	81-110	Basswood is 1/2 dead. converting to fir. Poor Quality. Clear cut with adj. Hdwd in 2026.
47	4130 - Aspen	High Density Pole	67.8	50		Creek Bottom, steep slopes BMP issues.
48	4130 - Aspen	High Density Pole	16.2	50		
49	4130 - Aspen	High Density Pole	12.7	50		Buffer Creek 300 feet
50	4199 - Other Mixed Upland Deciduous	High Density Pole	5.5	57	81-110	LF ? access. wet areas.
51	4119 - Mixed Northern Hardwoods	High Density Pole	12.0	Uneven Age	81-110	selection cut in 2001 (Indiana Mine Hdwd).
53	4130 - Aspen	High Density Pole	36.0	50		
54	4119 - Mixed Northern Hardwoods	High Density Pole	130.6	Uneven Age	81-110	Selection cut in 2006 (Award Hdwd).
55	4119 - Mixed Northern Hardwoods	High Density Pole	85.0	Uneven Age		Piparian Area. LF water quality, bmp, steep.
56	4191 - Mixed Upland Deciduous with Conifer	High Density Log	32.6	57	81-110	LF ? access. wet areas.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
12	622 - Lowland Shrub	9.9	No	Unspecified	
16	122 - Road/Parking Lot	15.7	No	Unspecified	gravel pit
36	3102 - Grass	1.0	No	Unspecified	
37	3102 - Grass	19.2	No	Unspecified	
38	3102 - Grass	1.7	No	Unspecified	
39	720 - Exposed Rock	5.4	No	Unspecified	
40	3102 - Grass	13.0	No	Unspecified	
52	3102 - Grass	3.0	No	Unspecified	