



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11047

Entry Year 2018

Acreage: 1,126

County Houghton

Management Area: Central Houghton

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**Revision Date:** 2016-05-09

**Stand Examiner:** Jason Mittlestat

**Legal Description:**

Laird Township  
T51N, R36W, Sections 26, 27, 34 and 35.

**Identified Planning Goals:**

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

**Soil and topography:**

The topography is generally level, except along Otter River. Upland Soils are: Munising loamy fine sand, Alcona loamy fine sand, Liminga fine sand, Kalkaska sand and Graveraet loam. Wetland soil are: Gay muck and Dawson peat.

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

State land borders the compartment the west. Several small parcels of private ownership border the compartment to the south where some of the owners have harvested timber from their parcels, but the majority of the private owners use their land as homes or for recreational purposes. Much of the land surrounding the compartment is owned by several different land management companies with primary goals of timber management.

**Unique Natural Features:**

MNFI indicates the potential for Red Shouldered Hawk, Eagle, Osprey, Great Blue Heron rookery, Goshawk, Moose and Gray Wolf in the compartment. There is also potential for Wood Turtle along riparian corridors.

**Archeological, Historical, and Cultural Features:**

The former Keweenaw Bay Branch of the Mineral Range Railroad crossed the compartment. Part of the grade is now used for the Otter Siding road.

**Special Management Designations or Considerations:**

BMP guidelines should be followed around the intermittent streams and the West Branch of the Otter River.

**Watershed and Fisheries Considerations:**

The streams in this compartment are cold water trout streams. There is a concern about bank erosion and stream crossings. Greenier Creek has a lot of sediment in it.

**Wildlife Habitat Considerations:**

Managing habitat for; black bear, blackburnian warbler, pileated woodpecker, ruffed grouse, northern goshawk and American marten should be considered when planning harvest specifications in this this compartment.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of coarse-textured glacial till and an end moraine of fine-textured till. The glacial drift thickness varies upwards to 400 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located one mile to the southwest and potential appears to be good. Abandoned copper mines and crushed basalt piles are located six miles to the northwest. This area was not previously leased for metallic development. There is no economic oil and gas production in the UP.

**Vehicle Access:**

M-38 is a State Highway which passes through the south half of section 34 and 35. The Otter Siding Road is a heavily used forest road which passes through section 34 this provides access to the land south of the West Branch of the Otter River. Access to the land north of the West Branch is off the Pike Lake road through a series of logging roads which are not all on state land.

**Survey Needs:**

None identified at this time, will be addressed as needed in the future.

**Recreational Facilities and Opportunities:**

The West Branch of the Otter River and Greenier Creek water courses offer some excellent fishing opportunities. The large expanse of continuous forest offer great hunting opportunities for both large and small game.

**Fire Protection:**

This compartment has little to no potential for a large fire with the primary cover type being northern hardwoods. Equipment access would be the primary issue for fire suppression activities.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

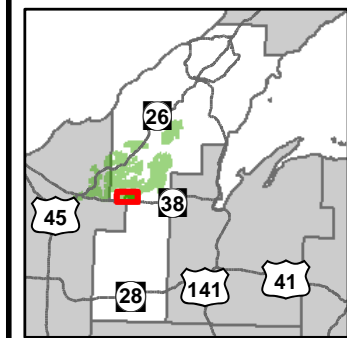
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

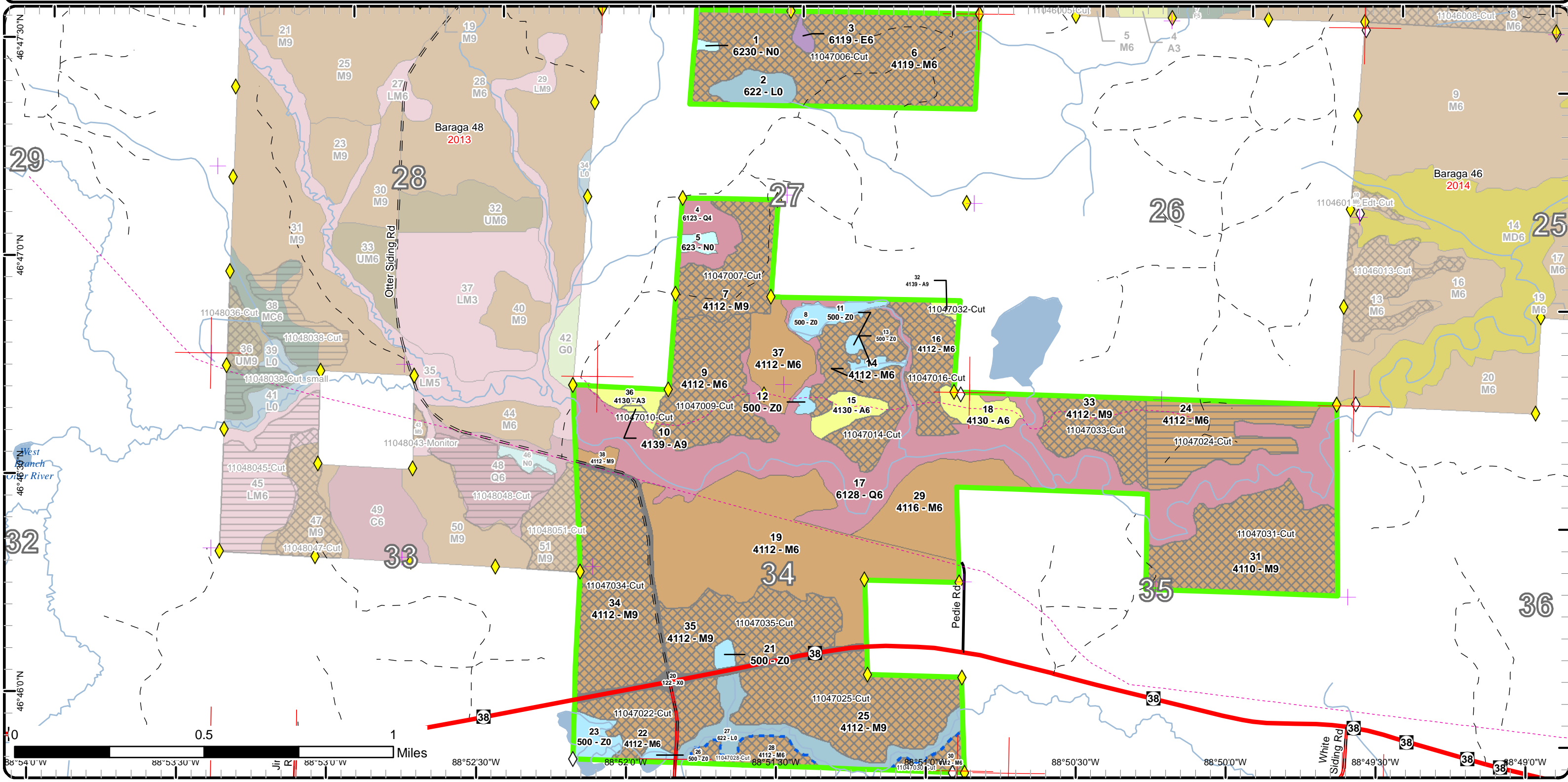
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 47  
 T51N, R36W 27, 33-35  
 County: Houghton  
 Unit: Baraga  
 Mgmt Area: Central Houghton  
 YOE: 2018  
 Acres: 1126 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/10/2016  
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- - - Trail (Non-Recreation)
- Rivers
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▭ 411 - Northern Hardwood
- ▭ 413 - Aspen
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 122 - Roads/Parking Lot
- ▭ 500 - Water
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ Lakes



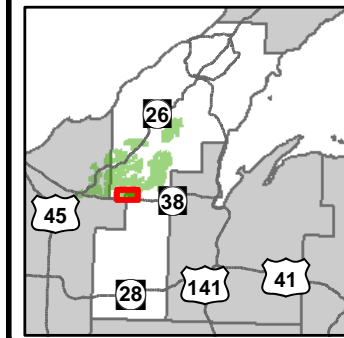




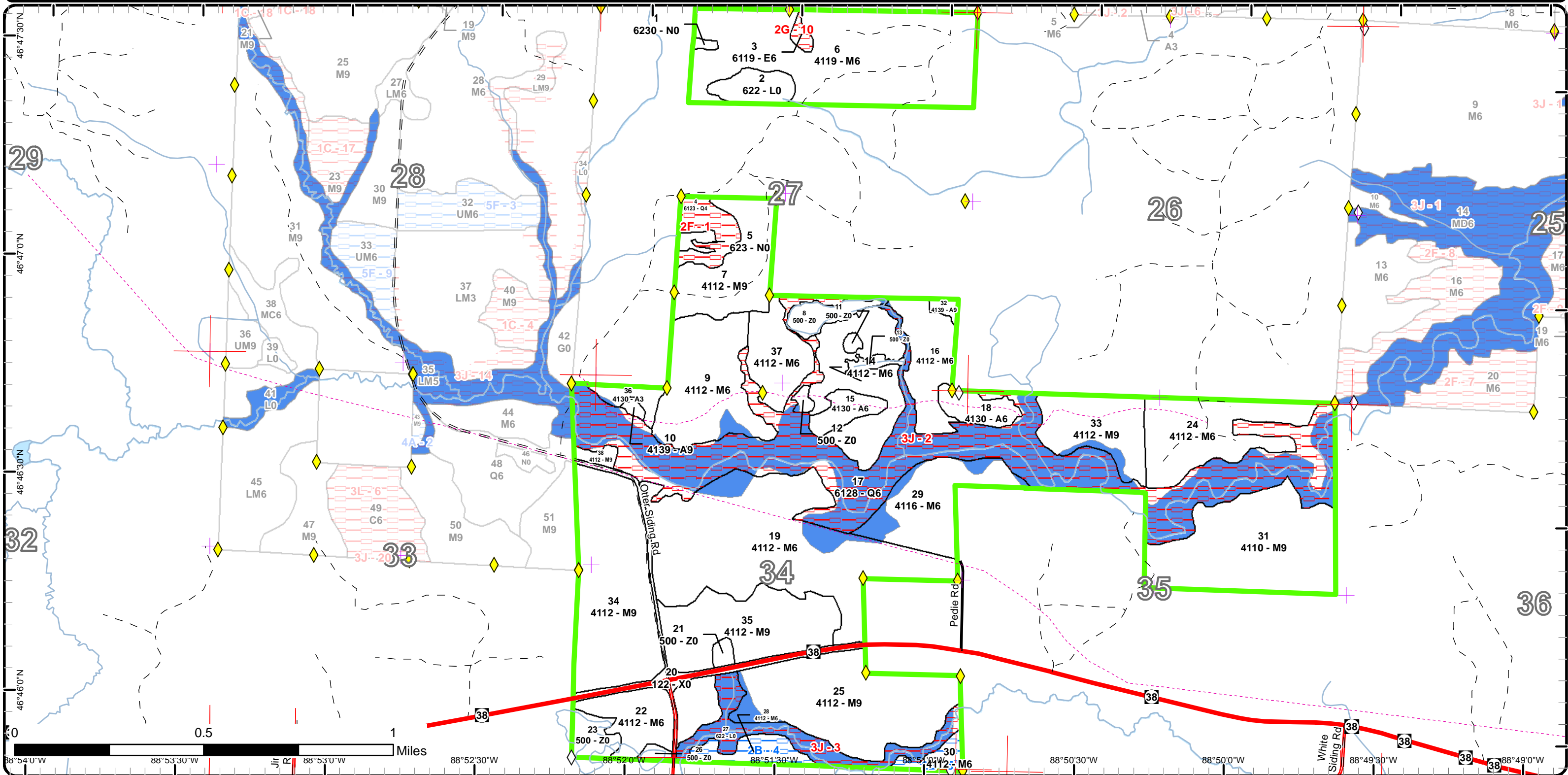


# Special Conservation Areas & Site Conditions Map

Compartment: 47  
 T51N, R36W 27, 33-35  
 County: Houghton  
 Unit: Baraga  
 Mgmt Area: Central Houghton  
 YOE: 2018  
 Acres: 1126 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 5/10/2016  
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Rivers
- ▭ Compartment Boundary
- ▨ SCA
- ▨ SCA Removal
- Available w/ Constraints
- Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- ▭ Stand Boundaries
- ▭ Special Conservation Areas
- ▭ Cold Water Streams
- ▭ Cold Water Lakes
- ▭ Boat Access Site



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	6	0	0	18	0	0	3	0	0	0	0	0	0	0	0	0	0	27
Lowland Conifers	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	185	198
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Lowland Shrub	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	750	813
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
<b>Total</b>	<b>84</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>937</b>	<b>1124</b>



## Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry:

Acres of Harvest

Compartment 47

Total Compartment Acres: 1,126

Commercial Harvest - 618  
 Harvests with Site Condition - 18  
 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	3	0	0	0	0	0	0	0	0	3
Northern Hardwood	42	591	0	0	0	0	0	0	0	633
<b>Total</b>	<b>45</b>	<b>591</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>636</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	636	0	0	0	0	0	0	0	0	636
Next Step	0	0	0	0	0	0	636	0	0	636
<b>Total</b>	<b>636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>636</b>	<b>0</b>	<b>0</b>	<b>1272</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
6	11047006-Cut	105.9	4119 - Mixed Northern Hardwoods	Poletimber Well	97	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal

**Habitat Cut: No Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".  
Specs: If areas heavy to (oak, aspen, dieback, ash, hemlock or too lazy to mark) 1-5 acres are found, seed tree harvest with a residual 10-30 sq ba of oak, reserving hemlock, cedar and pine.

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

7	11047007-Cut	34.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	81	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

9	11047009-Cut	48.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	83	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

10	11047010-Cut	1.4	4139 - Aspen, Mixed Deciduous	Sawtimber Well	65	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Harvest all species down to 4.6 inches DBH except red oak, hemlock, white pine and cedar if present.  
Specs:

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
14	11047014-Cut	38.3	4112 - Maple, Beech, Cherry Association	Poletimber Well	71	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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". If areas heavy to (oak, aspen, dieback, ash, hemlock or too lazy to mark) 1-5 acres are found, seed tree harvest with a residual 10-30 sq ba of oak, reserving hemlock, cedar and pine.

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

16	11047016-Cut	24.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	71	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

22	11047022-Cut	29.3	4112 - Maple, Beech, Cherry Association	Poletimber Well	67	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
24	11047024-Cut	41.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	75	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Harvest all species down to 4.6 inches DBH except white pine, hemlock and yellow birch. Also, reserve red oak and cedar if present. Keep a  
Specs: 200' buffer from the Otter River.

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

Acceptable Aspen with a mixed component of northern hardwoods.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

25	11047025-Cut	71.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be  
Specs: 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

28	11047028-Cut	11.5	4112 - Maple, Beech, Cherry Association	Poletimber Well	94	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition: Unknown Access**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be  
Specs: 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017

30	11047030-Cut	6.3	4112 - Maple, Beech, Cherry Association	Poletimber Well	94	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition: Unknown Access**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be  
Specs: 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".

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

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

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.  
Comment:

Proposed Start Date: 10/01/2017





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
31	11047031-Cut	70.8	4110 - Sugar Maple Association	Sawtimber Well	81	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. 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".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</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.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
32	11047032-Cut	2.1	4139 - Aspen, Mixed Deciduous	Sawtimber Well	68	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock and white pine.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</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.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
33	11047033-Cut	29.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	56	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. 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".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the residual over story species.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
34	11047034-Cut	71.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	69	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. 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".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.											
<u>Regen:</u>											
<u>Other</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.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	11047035-Cut	48.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	69	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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".

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Comment:

Proposed Start Date: 10/01/2017

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**Total Treatment  
Acreage Proposed: 636.1**



## Report 5 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 47  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2B	2F	2G	3J
28	28	0	0	Aspen				
198	0	0	198	Lowland Conifers		13		185
2	0	0	2	Lowland Deciduous			2	
37	11	0	26	Lowland Shrub				26
4	4	0	0	Marsh				
813	795	18	0	Northern Hardwood	18			
16	16	0	0	Urban				
27	27	0	0	Water				
1,125	881	18	226	Total Forested Acres	18	13	2	212
	78%	2%	20%	Relative Percent				

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	185	2F: Too steep	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Otter River Trout Stream.								
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	2F: Too steep	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Otter River Trout Stream								

**Report 5 – Site Conditions**

Baraga Mgt. Unit

Compartment: 47

Jason Mittlestat : Examiner

Year of Entry: 2018

4	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: 47  
Year of Entry: 2018



### 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
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Comments



**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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	2.2	75	1-50	
4	6123 - Lowland Fir	Poletimber Poor	12.8	64	1-50	
6	4119 - Mixed Northern Hardwoods	Poletimber Well	105.9	97	111-140	Cut- some ash dieback. Cut in 2002. heartburn hdwd.
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	34.5	81	111-140	
9	4112 - Maple, Beech, Cherry Association	Poletimber Well	48.4	83	111-140	Unit 2 of "Notter Hdwd" Unit was not cut. Stand was split from ne stand. +some scattered WP and Hem and Cedar. .
10	4139 - Aspen, Mixed Deciduous	Sawtimber Well	1.4	65	111-140	Part of unit was cut during the winter of 2010-2011, as part of "Notter Hdwds.
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	38.3	71	111-140	
15	4130 - Aspen	Poletimber Well	8.6	33	51-80	
16	4112 - Maple, Beech, Cherry Association	Poletimber Well	24.8	71	111-140	
17	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	185.4	107	51-80	Stand consists of the Otter River gorge and lots of unnamed tributaries with steep slopes and wet areas.. RMZ
18	4130 - Aspen	Poletimber Well	9.8	33	51-80	
19	4112 - Maple, Beech, Cherry Association	Poletimber Well	119.4	74	81-110	cut in 2010-11 as part of "Sotter Hdwds" 11-012-08-01.
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	29.3	67	81-110	
24	4112 - Maple, Beech, Cherry Association	Poletimber Well	41.7	75	51-80	Stand has full understory of aspen and top dieback.. Remove over story to release under story.
25	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71.7	86	111-140	
28	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.5	94	111-140	
29	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	36.6	69	51-80	Stand split from stand 19. lots of aspen removed. good aspen regeneration.



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Baraga Mgt. Unit

## Report 8 – Forested Stands

Compartment: 47  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>30</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.3	94	111-140	did not make it to this stand in 2016.
<b>31</b>	4110 - Sugar Maple Association	Sawtimber Well	70.8	81	111-140	
<b>32</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	2.1	68	111-140	Clear cut no reserves.
<b>33</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	29.9	56	81-110	
<b>34</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71.1	69	111-140	west was cut as part of "38 Special" in 1997.
<b>35</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	48.4	69	111-140	was cut as part of "38 Special" in 1997.
<b>36</b>	4130 - Aspen	Sapling Well	6.1	5	Immature	
<b>37</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.6	83	81-110	
<b>38</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	2.9	69	81-110	was cut in 2010-11 as part of "Sotter Hdws" 11-012-08-01.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6230 - Cattail	1.1	No	beaver pond and surrounding wetland.
2	622 - Lowland Shrub	10.9	No	
5	623 - Emergent Wetland	2.6	No	
8	500 - Water	8.7	No	beaver flooding
11	500 - Water	1.3	No	beaver flooding
12	500 - Water	1.8	No	beaver flooding
13	500 - Water	2.7	No	beaver flooding
20	122 - Road/Parking Lot	16.2	No	M-39. Otter Siding Road, Chine Road.
21	500 - Water	2.4	No	
23	500 - Water	8.3	No	
26	500 - Water	2.0	No	
27	622 - Lowland Shrub	26.1	No	Greenier Creek Corridor.