



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #41 ENTRY YEAR: 2009

Compartment Acreage: 2262.847 County: HOUGHTON

Revision Date: 10/17/2007

Stand Examiner: Jason S. Mittlestat

Legal Description: Laird Township
T51N, R35W, Sections 2, 3, 10 and 11

RMU (if applicable):

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

Soil and Topography: This area is level to rolling, with some steep banks along the drainages. Soils are: Assinis sand, Skanee fine sandy loam, Munising fine sandy loam, Yalmer sand, Allendale sand, Rudyard silt loam, Alcona loamy fine sand, Richter very fine sandy loam, Croswell sand, AuGres sand, Lupton and Cathro mucks, Munising loamy fine sand, Deerton sand, Gay muck, Nunica silt loam, Fence very fine sandy loam, Halfaday sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The adjoining lands are either state owned or small private landowners. Private lands are used for hunting and timber production.

Unique, Natural Features (include only non-site specific and non-sensitive information): MNFI indicates the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and the potential for wood turtles along drainages.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): none.

Special Management Designations or Considerations: BMP guidelines should be followed around the intermittent streams and tributaries to the West Branch Otter River. Stands 12, 25, 33 and 34 are nominated for SCA designations as Riparian Corridors.

Watershed and Fisheries Considerations: The streams in this compartment are cold water trout streams. There is a concern about bank erosion and stream crossings.

Wildlife Habitat Considerations: Favor mesic conifers; White Pine and Hemlock, as well as Northern Red Oak.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel, fine textured and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located in Section 3 and there should be potential. Limestone quarries are located one mile to the southeast, but the outlier formation is not present here. Abandoned copper mines and crushed basalt piles are located eight miles to the northwest. This area has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Some tream crossing and spur roads are needed to provide access fro timber harvest.

Survey Needs: Survey work will need to be done for timber harvest activities.

Recreational Facilities and Opportunities: The Otter River Road is part of the Alston – Winona snowmobile trail. Use is moderate. The area gets some deer, bear and bird hunting pressure.

Fire Protection: not applicable.

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- ◆ **Cover Type by Age Class**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Listing – Forested**
- ◆ **Stand Listing – Non Forested**
- ◆ **Special Conservation Area (SCA) Details**

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

- ◆ **Base feature information, stand numbers, cover types**
- ◆ **Proposed treatments**
- ◆ **Proposed road access system**
- ◆ **SCA – Special Conservation Areas**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 11041

Date: 7/25/2007

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	17.7	417.6	0	0	0	0	0	117	51.1	0	224.4	827.8
Emergent Wetland	2.9	0	0	0	0	0	0	0	0	0	0	0	2.9
Herbaceous Openland	1.2	0	0	0	0	0	0	0	0	0	0	0	1.2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	115.9	115.9
Northern Hardwood	0	0	0	0	0	0	0	9.9	137.4	0	0	1064.5	1211.8
Other Upland Conifers	0	0	0	0	0	0	0	0	0	31.2	0	13.1	44.3
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	31.8	0	0	31.8
Water	27.2	0	0	0	0	0	0	0	0	0	0	0	27.2
Grand Total	31.3	17.7	417.6	0	0	0	0	9.9	254.4	114.1	0	1417.9	2262.9

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
4	11041004-Cut	202.4	4112 - Maple, Beech, Cherry Association	6	77	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	

Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

8	11041008-Cut	6.5	4115 - Y.Birch, Hemlock NH	6	69	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

15	11041015-Cut	13.5	4115 - Y.Birch, Hemlock NH	6	79	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

16	11041016-Cut	164.1	4112 - Maple, Beech, Cherry Association	6	79	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

23	11041023-Cut	42.9	4112 - Maple, Beech, Cherry Association	6	71	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

27	11041027-Cut	117.0	4130 - Aspen	9	77	0	Clearcut with Reserves	Regeneration	Aspen	
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Rev
Cmnt:

Rev Harvest aspen, reserve: hemlock, white pine, red pine, oak and cedar where and if present.

Spec:

Next check for natural regen within 5 years of harvest.

Steps:

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
32 11041032-Cut	43.4	4115 - Y.Birch, Hemlock NH	6	75	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	

Rev
Cmnt:

Rev Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines.
Spec:

Next check for natural regen within 5 years of harvest.
Steps:

**Total Treatment
Acreage Proposed: 589.8**

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Baraga

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 41

Entry Yr: 2009

Inventory Method: IFMAP

Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Pg. 1

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

Next
Steps:

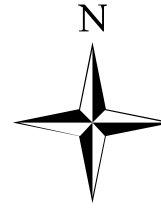
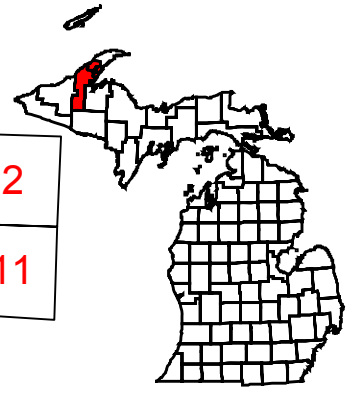
Total Treatment
Acreage Proposed: 0

Field Map

Compartment 41
 T51N, R35W, Sec. 2, 3, 10, 11
 County: Houghton
 Unit: Baraga
 YOE: 2009
 Acres: 2,263 GIS Calculated
 Stand Examiner: Fred Hansen
 Map Revised: 8/02/2007
 Map Phase: Pre-Review

Stand # 23
 Stacking Density
 (A)(412)0 -7
 OI Level 3
 Code Level 4
 Cover Type Code

3	2
10	11



Legend

- Miris Corners
- - - Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Stands
- Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands
 - Level 3
 - 500 - Water
 - 790 - Other Bare/Sparsely Vegetated
- ▨ SCA - Special Conservation Area
- Treatments
 - ▨ Clearcut with Reserves
 - ▨ Single Tree Selection

