



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #63 ENTRY YEAR: 2009

Compartment Acreage: 1091.944 County: ONTONAGON

Revision Date: 10/17/2007

Stand Examiner: Brad S. Carlson

Legal Description: Bohemia Township
T51N, R37W, Sections 1, 12 and 13.

RMU (if applicable):

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

Soil and Topography: Rolling upland with some large swamps. Somewhat excessively drained sands and loamy sands (Kalkaska, Gogebic and Keweenaw series) in the rolling uplands and some very poorly drained organic soils and poorly drained loamy soils (Carbondale, Tawas, Greenwood and Dawson) in the lowland swamps.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land borders the compartment to the east. There are a few small parcels of private ownership scattered that border the compartment where some of the owners have harvested timber from their parcels, but most of the private owners use their land for recreational purposes. The majority of the surrounding land is owned by three different land management companies with primary goals of timber management.

Unique, Natural Features (include only non-site specific and non-sensitive information): 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 (include only non-site specific and non-sensitive information): none.

Special Management Designations or Considerations: BMP guidelines should be followed around the intermittent streams, Firesteel river and Senecal creek watercourses.

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 Northern Red Oak and Black cherry.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine clay and silt. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located one mile to the northeast and potential may be limited. Abandoned copper mines and crushed basalt piles are located just to the north and the west. Part of this area was previously leased for metallic development, but not currently. There is no economic oil and gas production in the UP.

Vehicle Access: The Clear Lake Road is a state forest road which starts from Pike Lake Road (a county road) 3.5 to 4 miles east of the compartment. A forest road continues from the Clear Lake access site and heads WSW approximately 3.5 miles where it enters the east side of the compartment. A road does exist through the compartment to the Nichols Grade but is in need of a large culvert or bridge. There is access from the south from Simar a forest road continues north through Senecal Creek and into the compartment. There is also access from the north from M-26 across industrial lands.

Survey Needs: Some survey work will be needed for timber harvest activities.

Recreational Facilities and Opportunities: The Firesteel River and Senecal 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: 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: 11063
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
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	12	0	97.2	109.2
Mixed Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	55.4	55.4
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	763.5	763.5
Other Bare/Sparsely Vegetated	11.7	0	0	0	0	0	0	0	0	0	0	0	11.7
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	136	136
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	14.6	14.6
Water	1.5	0	0	0	0	0	0	0	0	0	0	0	1.5
Grand Total	13.2	0	0	0	0	0	0	0	0	12	0	1066.7	1091.9

**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
3	11063003-Cut	102.0	4112 - Maple, Beech, Cherry Association	6	76	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	

Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

4	11063004-Cut	88.2	4112 - Maple, Beech, Cherry Association	6	76	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

13	11063013-Cut	17.2	4115 - Y.Birch, Hemlock NH	6	79	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

15	11063015-Cut	78.6	4112 - Maple, Beech, Cherry Association	6	55	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

16	11063016-Cut	4.9	4112 - Maple, Beech, Cherry Association	6	89	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

**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
17 11063017-Cut	14.3	4112 - Maple, Beech, Cherry Association	6	55	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	

Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

20 11063020-Cut	7.5	4112 - Maple, Beech, Cherry Association	6	85	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

**Total Treatment
Acreage Proposed: 312.7**

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Baraga

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 63

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 63
 T51N, R37W, Sec. 1, 12,13
 County: Houghton
 Unit: Baraga
 YOE: 2009
 Acres: 1,092 GIS Calculated
 Stand Examiner: Brad Carlson
 Map Revised: 8/02/2007
 Map Phase: Pre-Review

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

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
 - ▧ Single Tree Selection

