



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #35 ENTRY YEAR: 2009

Compartment Acreage: 1766.118 County: HOUGHTON

Revision Date: 10/17/2007

Stand Examiner: Jason S. Mittlestat

Legal Description: Portage Township
T53N, R35W, Sections 25, 25 and 26

RMU (if applicable):

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

Soil and Topography: This is a rolling area bisected with streams and drainages. There are some steep slopes and ridges. Most of the area is well drained. Soils are: Munising loamy fine sand, Yalmer sand, Assinins sands, Skanee fine sandy loam, Tawas and Roscommon mucks, Gay muck, Trimountain cobbly fine sand, Paavola gravelly course sandy loam, Kalkaska sand, Keweenaw gravelly loamy sand, Liminga fine sand, and Alcona loamy fine sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Adjacent ownerships are predominately industrial forest managed for 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 watercourses. Stands 5, 6 and 8 are nominated for SCA designation as Riparian corridors.

Watershed and Fisheries Considerations: There are several streams, Sante River, 13 Mile Creek, and tributaries to the North Branch Otter River.

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 an end moraine of fine-textured till and lacustrine (lake) sand and gravel. 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 closest gravel pit is located three miles to the east, but there may be potential. Abandoned copper mines are located three miles to the north. The Compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Access is either from the north on a DNR easement from Globe Mine / M-26, from the southeast through private lands off the Tapiola Road, or from the west through private lands off M-26. A permanent stream crossing is needed across the Santee River in Section 25 near the NW corner. A good internal road system should be developed with timber sales.

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

Recreational Facilities and Opportunities: There is limited recreational use. Most of it is probably confined to some deer hunting and fishing.

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: 11035
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	0	0	0	0	0	5.4	0	0	0	0	0	5.4
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	54.7	54.7
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	1423.1	1423.1
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	222.6	222.6
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	60.3	60.3
Grand Total	0	0	0	0	0	0	5.4	0	0	0	0	1760.7	1766.1

**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	11035003-Cut	600.1	4110 - Sugar Maple Association	6	85	0	Single Tree Selection	Regeneration	Sugar Maple 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:

7	11035007-Cut	102.6	4112 - Maple, Beech, Cherry Association	9	78	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:

11	11035011-Cut	43.7	4110 - Sugar Maple Association	6	79	0	Single Tree Selection	Regeneration	Sugar Maple 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:

12	11035012-Cut	60.3	4312 - Hemlock, Mixed Deciduous	6	87	0	Single Tree Selection	Regeneration	Hemlock, Mixed Deciduous	
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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. Mark to 100 sq
Spec: ft when more than 30 sq ft of hemlock is present.

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

13	11035013-Cut	62.2	4112 - Maple, Beech, Cherry Association	6	67	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:

**Total Treatment
Acreage Proposed: 868.9**

S t a n d	Baraga	Mgt. Unit	PROPOSED TREATMENTS WITH LIMITING FACTORS					Compartment: 35	Entry Yr: 2009	
	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Inventory Method: IFMAP	Treatment Purpose	Cover Type Objective

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

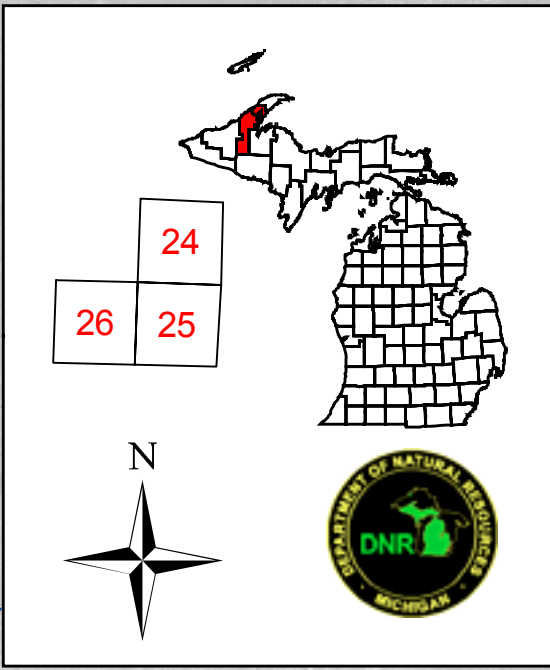
Next
Steps:

**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 35
 T53N, R35W, Sec. 24, 25, 26
 County: Houghton
 Unit: Baraga
 YOY: 2009
 Acres: 1,766 GIS Calculated
 Stand Examiner: Fred Hansen
 Map Revised: 7/25/2007
 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
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 423 - Other Upland Conifers
 - 431 - Upland Mixed Forest
- ▤ SCA - Special Conservation Area
- Treatments
 - ▤ Single Tree Selection

