



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #14 ENTRY YEAR: 2009

Compartment Acreage: 2149.819 County: Baraga

Revision Date: 10/17/2007

Stand Examiner: Jason S. Mittlestat

Legal Description: L'Anse Township
T49N, R32W, Sections 17, 19, 20, 30, 31 and 32

L'Anse Township
T49N, R33W, Section 24

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 very rugged, hilly, rocky area. Soils: Upland soils are Champion cobbly silt loams, Michigamme cobbly silt loams, Net silt loam, and rock. Lowland soils are Carbondale Witbeck and Tacoosh mucks, Dawson and Greenwood peats.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The state land is fragmented. It is surrounded by a mix of industry land, small private landowners and some private clubs.

Unique, Natural Features (include only non-site specific and non-sensitive information): The Sturgeon River is on the south side of the compartment. The stands adjoining this river are being considered for SCA management. MNFI indicates a potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and potential for wood turtle along drainage, for frigga fritillary and freija fritillary in open wetlands and bogs.

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.

Watershed and Fisheries Considerations: The Sturgeon River is on the south side of the compartment. There are some tributaries to the Sturgeon in the compartment. Summit Lake, Little Summit Lake and several small pothole lakes are also within the compartment.

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

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. These rocks could sometimes be used for dimension stone. The nearest gravel pit several miles away and potential is unknown. The closest iron mines are located four miles to the west and are abandoned. Sections 19, 30, 32 and 24 are currently leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Access to state owned land though private ownership may be a problem. Access to the lands in section 20 is a major problem.

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

Recreational Facilities and Opportunities: The area gets some small game and deer hunting use.

Fire Protection: This area is subject to infrequent isolated lightning strike fires that are difficult to suppress due to difficult terrain.

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: 11014

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	16.6	0	0	0	0	104.7	121.3
Lowland Deciduous Forest	0	0	0	0	0	0	0	0	19.2	0	0	47.2	66.4
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	27	27
Lowland Shrub	188	0	0	0	0	0	0	0	0	0	0	0	188
Mixed Upland Conifers	0	0	0	0	0	0	0	0	51.4	0	0	131.4	182.8
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	1305.5	1305.5
Other Upland Conifers	0	0	0	0	0	8.1	0	0	0	0	0	61	69.1
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	104.8	104.8
Water	84.9	0	0	0	0	0	0	0	0	0	0	0	84.9
Grand Total	272.9	0	0	0	0	8.1	16.6	0	70.6	0	0	1781.6	2149.8

**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. 1
10 11014010-Cut	112.4	4110 - Sugar Maple Association	9	77	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:

11 11014011-Cut	18.3	4115 - Y.Birch, Hemlock NH	9	79	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev the west end of the stand is on a large rock bluff. there might not be access to the top - if there is not access the area will need to be factor limited.
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:

44 11014044-Cut	44.3	4110 - Sugar Maple Association	9	75	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:

51 11014051-Cut	8.9	4115 - Y.Birch, Hemlock NH	9	64	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:

52 11014052-Cut	141.0	4110 - Sugar Maple Association	9	72	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:

55 11014055-Cut	17.4	4115 - Y.Birch, Hemlock NH	9	75	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:

**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
57 11014057-Cut	36.7	4119 - Mixed Northern Hardwoods	9	66	0	Single Tree Selection	Regeneration	Mixed Northern Hardwoods	

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:

61 11014061-Cut	2.7	4119 - Mixed Northern Hardwoods	6	81	0	Single Tree Selection	Regeneration	Mixed Northern Hardwoods	
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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: 381.5**

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Baraga

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 14

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:

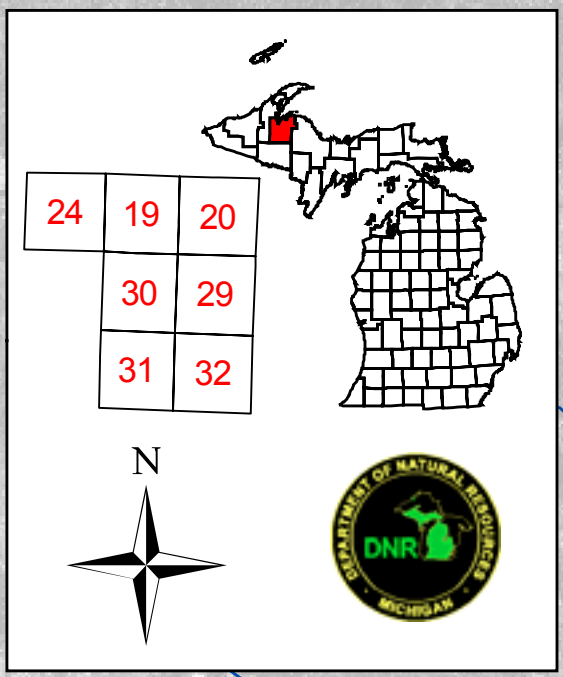
**Total Treatment
Acreage Proposed: 0**

Compartment 14
 T49N, R32W, Sec. 19, 20, 29, 30, 31, 32
 T49N, R33W, Sec. 24
 County: Baraga
 Unit: Baraga
 YOE: 2009
 Acres: 2,150 GIS Calculated
 Stand Examiner: Brad Carlson
 Jason Mittlestat
 Map Revised: 8/02/2007
 Map Phase: Pre-review

Multi-Part Stands
 Stand 24, 2 parts, split by stand 27

Field Map

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



- Legend**
- Miris Corners
 - Gravel Roads
 - - - Poor Dirt Roads
 - Railroads
 - Intermittent Stream/Drain
 - Stream
 - Stands
 - Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands
 - Level 3
 - 500 - Water
 - 622 - Lowland Shrub
 - ▨ SCA - Special Conservation Areas
 - Treatments
 - ▨ Single Tree Selection

