



**ESCANABA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: #063 **ENTRY YEAR:** 2007

Compartment Acreage: 1935 **County:** Menominee

Last Revision: October 8, 2005

Stand Examiner: Dustin Salter, Forester, FMFMD; Craig Albright, Wildlife Division

Legal Description: T34N R26W Sections 16, 17, 18, 19, 20, 21, 28, 29, 30, and 31

Management Goals: This compartment is comprised mainly of lowland conifer types with bogs and marshes mixed in. There are a few scattered upland knobs throughout the compartment. This decade two stands will be treated. An aspen stand will receive a final harvest. A lowland conifer will be cut, managing it for a mixture of Balm of Gilead and a mix of coniferous species.

Soil and Topography: The main soil groups within this compartment are: Lupton-Cathro Association, Loxley-Dawson Association, and Lupton Muck. The majority of the compartment contains poorly drained muck and peat over sand and sandy loam. The terrain is nearly level, with the exception of some depressions.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is isolated from any other state land. It is surrounded by private land. The state has very little access into this compartment, without going through private property. There are quite a few farms and farmland around the compartment. The primary use of this compartment is hunting, with most of that being done by the neighboring landowners. There are some illegal trails into state land from private.

Unique, Natural Features (include only non-site specific and non-sensitive information): Hanson Lake Bog-- a large undisturbed conifer-bog complex with special botanical, geological, and scenic features.

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

Special Management Designations or Considerations: The majority of this compartment was nominated in 1998 as a Wild Area or Natural Area.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: *Landscape Context:* This compartment is within a broad plain of loamy soils deposited by glacial activity. Drumlin ridges, trending northeast to southwest, are common throughout. Historically the ridge tops were covered with northern hardwood forests, and the intervening lowlands were swamps of cedar, tamarack, black spruce, or bog. Small knolls within wetlands were often dominated by hemlock and white pine. Wind throw was the most common natural disturbance regime. During the past 100 years much of this landscape was converted to agriculture. Aspen forest increased greatly and hemlock and white pine declined due to early-day logging practices.

Wildlife Considerations this Decade: This compartment is a unique feature in a landscape that has been heavily converted to agriculture. The northern portion is mainly stunted cedar and spruce forest. The middle portion is approximately one square mile of treed bog and muskeg containing some abrupt, raised knobs of

cedar, hemlock, and birch. Hanson Lake, a shallow bog lake with adjacent marshes, is located in the southern portion of the compartment. Due to its large size and wet, inhospitable conditions, the area receives little human use, although ORV's penetrate the area illegally. Law enforcement action to address this illegal activity is needed here because ORV's can do long-term damage to fragile bog vegetation.

In 1998, local management staff felt the area was sufficiently unique to warrant a nomination for Wild Area or Natural Area status. It was so nominated, but those programs have been inactive in recent years. Most of this compartment continues to be protected with a designation of "special conservation area." This will maintain habitat for those wildlife species that utilize lowland conifer-bog habitats. Several small forest treatments will occur this decade at the far north edge of the compartment which is accessible to roads.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till with drumlins. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Formation underlies the glacial drift and is quarried for stone in the UP. This area has not been leased previously for metallic exploration. Gravel pits are located in Section 27 and there is potential on the upland drumlins. No economic oil and gas production has been found in the UP , although a recent well was drilled and cased for testing in Schoolcraft County.

Vehicle Access: Vehicle access is limited. The north edge of the compartment can be accessed from Hayward Lake Road. The majority of the limited access into this compartment is through private lands.

Survey Needs: Five corners will need to be set.

Recreational Facilities and Opportunities: There are no developed facilities. Primary activity is hunting.

Fire Protection: Very little threat of fire. Most of the compartment contains saturated soils.

Additional Compartment Information:

****** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:**

- Cover Type by Age Class**
- Cover Type by Management Objective**
- Compartment Volume Summary**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**

****** The following information is displayed on the attached compartment maps:**

- Base feature information, stand numbers, cover types**
- Proposed treatments**
- Proposed road access system**
- Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 63

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	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	150-159	All Aged	Total
Aspen			2			1	6			6									15
Black Spruce							146			94					59				299
Bog or Marsh	128																		128
Cedar											536	22	47		31				636
Hemlock																		2	2
LowInd Brush	138																		138
Marsh	132																		132
Mx Swmp Cnfr					31		8												39
Swamp Hrdwds						4													4
Tamarack			2				3												5
Treed Bog	488																		488
Upland Hdwds									2	4									6
Water	43																		43
Total	929		4		31	5	163		2	104	536	22	47		90			2	1935

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 63

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	15																										15
S Black Spruce		299																									299
V Bog or Marsh			128																								128
C Cedar				636																							636
H Hemlock						2																					2
L LowInd Brush									138																		138
N Marsh											132																132
Q Mx Swmp Cnfr										8		31															39
E Swamp Hrdwds																				4							4
T Tamarack																					5						5
D Treed Bog																						488					488
M Upland Hdwds																								6			6
Z Water																									43		43
Total	15	299	128	636		2			138	8	132	31								4	5	488		6	43		1935

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: **63**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1299 Cds	Hardwood	265 Cds
Hardwood	21 Mbf	Hardwood	5 Mbf
Softwood	2593 Cds	Softwood	154 Cds
Sum TotVol	3934 Cds	Sum CutVol	429 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	14
1935		Acres Meeting Silv Criteria.....	167
		Acres Not Meeting Silv Criteria....	1768
		Acres Unable to Determine Silv Criteria For....	

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 63

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
11	Q6	8	53	70	balsam poplar & swamp aspen and swamp white birch	mature	seed tree	1		

comnts Fmd : This stand should be treated using a seed tree cut. Various species of seed tree's will be left. The balm is dying and falling apart. It needs to be harvested now, before we lose all of the volume and ability to regenerate. This stand will be managed for a combination of P and Q. Most of the larger cedar was cut out of this stand when it was still owned by the private owner, about 10 to 15 years ago.

Total Acres..... 8

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 63

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
31	A6	6	54	80	aspen (upland)	mature	final harvest	1		

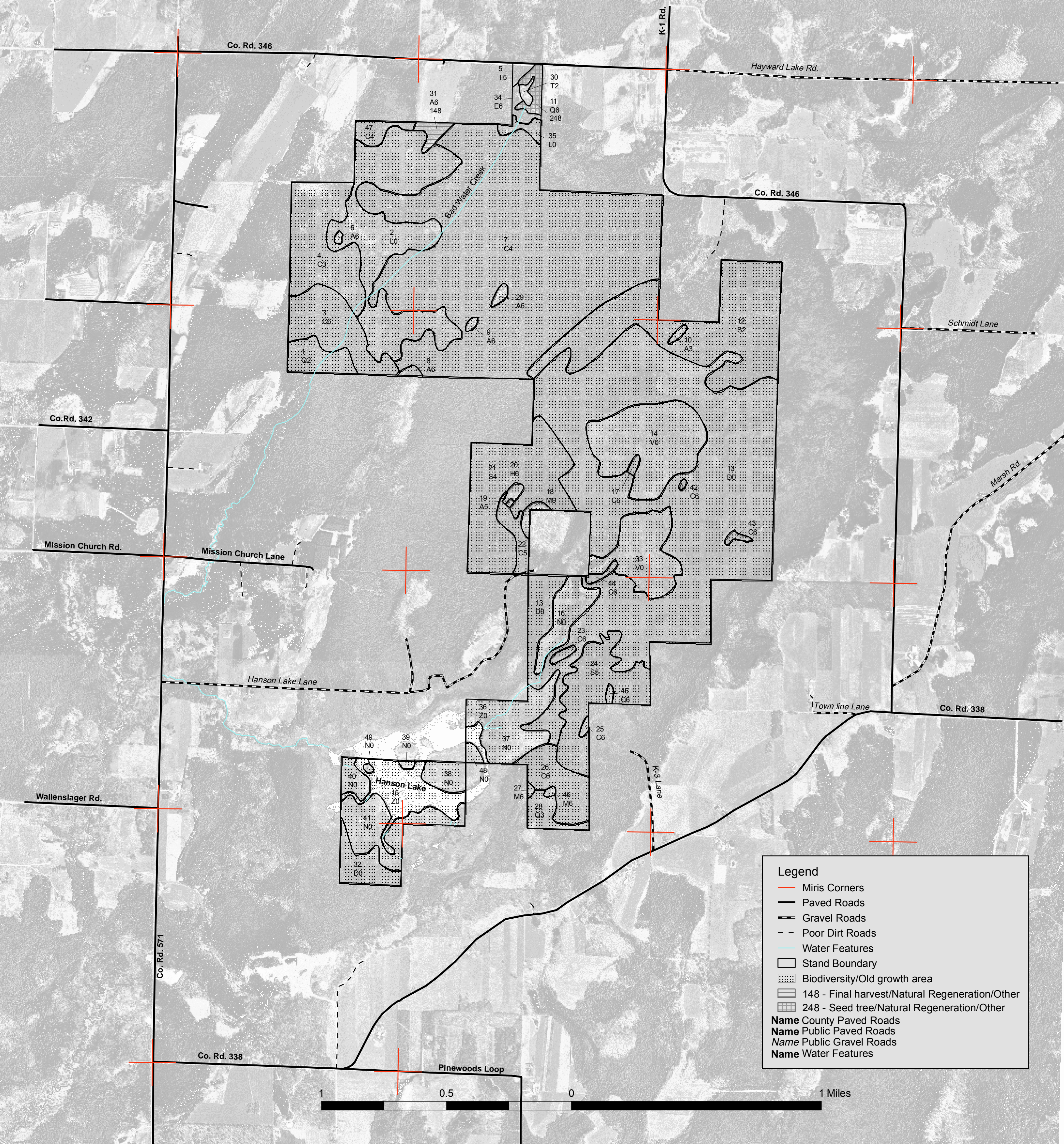
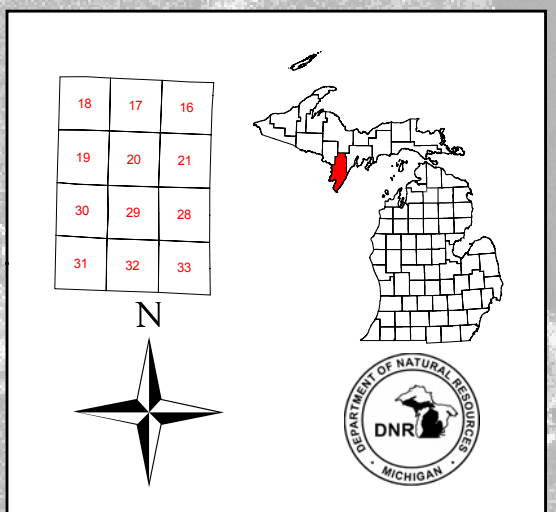
TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : This stand should receive a final harvest, removing all species; except for oak. The only access to this stand is from the north through the private property. We will need to get permission.

Total Acres..... 6

Field Map

Compartment 63
 T34N, R26W, Sec. 16-21, 28-31
 County: Menominee
 Unit: Escanaba
 YOE: 2007
 Acres: 1,935 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 10/21/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old growth area
- 148 - Final harvest/Natural Regeneration/Other
- 248 - Seed tree/Natural Regeneration/Other

Name County Paved Roads
Name Public Paved Roads
Name Public Gravel Roads
Name Water Features

