



**ESCANABA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 71 ENTRY YEAR: 2007
Compartment Acreage: 727 County: Menominee

Last Revision: October 8, 2005

Stand Examiner: Dan McNamee, Forester, FMFMD; Craig Albright, Wildlife Division

Legal Description: T40N - R25W, Section 31 & 32

Management Goals: Timber and wildlife management will be emphasized. No new permanent roads will be built.

Soil and Topography: Mostly flat to gently rolling with scattered low and marshy areas mixed in. major soil series found within this compartment are: Onaway, Rousseau, Salona on the high ground, Cathro, Ensly, Lupton, Tawas in the low ground.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private ownership to the south and east, State ownership to west and south.

Unique, Natural Features (include only non-site specific and non-sensitive information): Some areas of Old growth cedar and hemlock.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): N/A

Special Management Designations or Considerations: 3 hemlock islands in the northeast part of the compartment are designated old growth.

Watershed and Fisheries Considerations: N/A

Wildlife Habitat Considerations: *Landscape Context:* This compartment is within a broad plain of loamy soil deposited by glacial activity. Drumlin ridges trending northeast to southwest are common throughout. Historically the ridge tops were covered with northern hardwood forests of sugar maple, beech, hemlock, cedar, and yellow birch. Between the ridges, swamps of cedar, tamarack, black spruce, or bog were common. 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 small compartment is primarily cedar swamp with intervening hardwood ridges. Past management has mainly focused on thinning northern hardwood stands while maintaining the considerable tree species diversity found here. These hardwood stands typically contain maple, hemlock, birch, beech, cedar, cherry, and ironwood. This decade, the main treatment will again be hardwood thinning with the same considerations for maintaining tree species diversity. This diversity enhances wildlife habitat. Three hemlock knobs within a cedar swamp are designated as potential old growth.

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 Group and Prairie du Chien underlie the glacial drift. These rocks are used for dolomite/stone and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. This area has not been leased previously for metallic exploration. The nearest gravel pits are located one mile to the southeast on drumlins 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: None, Accessible only across private property.

Survey Needs: None.

Recreational Facilities and Opportunities: Hunting and trapping.

Fire Protection:

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **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, where pertinent, 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: 71

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																Total	
	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
Aspen		3	69																72
Black Spruce									26										26
Cedar									43	6	94	238							381
Grass	2																		2
Hemlock			3						10		13	6							32
LowInd Brush	2																		2
Mx Swmp Cnfr						15			7		26								48
Spruce Fir		2							10										12
Upland Hdwds							28											123	151
Water	1																		1
Total	5	5	72			15	28		96	6	133	244						123	727

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Individual Compartment Report

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 71

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	72																										72
S Black Spruce		26																									26
C Cedar				381																							381
G Grass					2																						2
H Hemlock						32																					32
L LowInd Brush									2																		2
Q Mx Swmp Cnfr												48															48
F Spruce Fir																			12								12
M Upland Hdwds																								151			151
Z Water																									1		1
Total	72	26		381	2	32			2			48						12						151	1	727	

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 71

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3141 Cds	Hardwood	284 Cds
Hardwood	78 Mbf	Softwood	122 Cds
Softwood	11288 Cds	Softwood	5 Mbf
Softwood	58 Mbf	Sum CutVol	416 Cds
Sum TotVol	14701 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
727		59	

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 71

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
14	H6	10	76	50	hemlock	mature	selection	6			
comnts Fmd : Stand is currently under contract 30-04-01 (Engagement sale).											
18	F5	8	76	50	spruce-fir (uplands- including upland black spruce)	two aged	selection	1	natural regeneration		
comnts Fmd : Balsam, W.birch are dying. Remove intolerants cut the Fb,Wb, MHdwd >8". Cut only those hemlock in order to remove designated spp. Cut only Pine that have Dead tops or are showing decline.											
19	M6	28	52	50	northern hardwood	immature	thinning	1			
comnts Fmd : Heavy to white birch on south part of stand. White ash and ironwood combine to make up the mix hardwood. There is also some balsam that didn't show up in plots that should be removed.											
49	F6	2	69	50	spruce-fir (uplands- including upland black spruce)	mature	removal	6			
comnts Fmd : currently under contract 30-04-01," Engagement sale"											
Total Acres.....		48									

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 71

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
36	M6	5		60	northern hardwood	unevenaged	thinning	2		

TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Stand treated isn 1989, contract 17-87-01 (Whitney sale). Basal area of this stand is close to being able to treat, can do a light thinning if combined with stand 39.

39	M6	6		55	northern hardwood	unevenaged	thinning	2		
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access

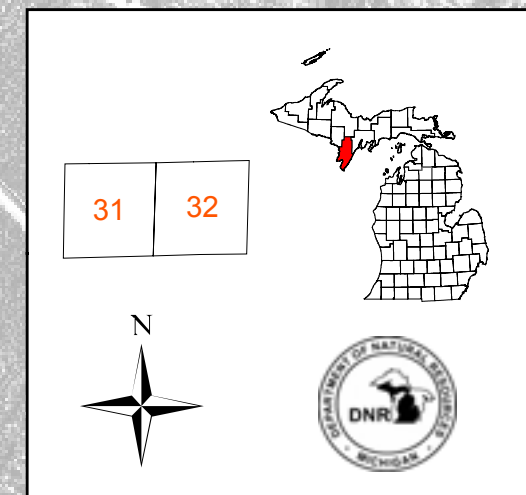
Existing bridge out or unsafe

comnts Fmd : Nice hardwood stand, to small to treat alone, combine with stand 36, will have to install a culvert or portable bridge to cross small creek and get landowner permission from east.

Total Acres..... 11

Field Map

Compartment 71
 T40N, R25W, Sec. 31, 32
 County: Menominee
 Unit: Escanaba
 YOE: 2007
 Acres: 727 GIS Calculated
 Stand Examiner: Dan McNamee
 Map Revised: 10/13/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old growth area
- 400 - Thinning
- 500 - Removal
- 800 - Selection
- 848 - Selection/Natural regeneration/Other
- Name Water Features

