



## ESCANABA FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

**COMPARTMENT 53 ENTRY YEAR: 2009**  
**Compartment Acreage: 1,297      County: Menominee**

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Last Revision: July 6, 2007

**Stand Examiner:** Dan McNamee and Dan Racine, FMFMD, Bill Rollo and Craig Albright, Wildlife Division

**Legal Description:** T35N, R25W Sections 7 and 8

**Management Goals:** Emphasis has been on managing the aspen type for pulpwood production. There are a few small stands that were not treated in the last treatment period that will be treated this time. A significant amount of the aspen is young and will need no treatment at this time. Pine types will be expanded where possible. Northern hardwoods will be managed for saw timber production.

**Soil and Topography:** Rolling to level terrain. Majority of the upland is Deford-Wainola-Rousseau complex. Also Onaway-fine sandy loam, Rousseau-fine sand, and Wainola-fine sand. Lowland: Deford mucky fine san, Burleigh-mucky fine sand, and Tawas-Deford complex.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is located on the east side of a large block of state land in the Cedar River area. It is completely surrounded by state land

**Unique, Natural Features:** Elwood Creek runs through the north half of the compartment. The north half of Westman Lake can be found in the southwest portion of the compartment.

**Archeological, Historical, and Cultural Features:** None known.

**Special Management Designations or Considerations:** The Forest Island ORV trail is located within this compartment. Stands along the Elwood Creek have been designated as Special Conservation Areas to provide a buffer and act as a filter.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** *Ecological Context:* This compartment is within a sand lake plain located between Escanaba and Menominee. This plain historically supported forests of hemlock and white pine on ridges, and extensive swamps of cedar, black spruce, and tamarack in low areas. Broad upland areas sometimes supported northern hardwood forests of beech and sugar maple. Wind throw was the most common natural disturbance regime. During the past 100 years aspen has increased greatly while white pine, red pine, hemlock, and cedar have declined.

*Recommendations:* Much of this compartment is comprised of aspen forest aged 10 to 40 years. This forest is providing habitat for wildlife species associated with early stages of succession, such as deer, grouse, woodcock, and bears. For the most part, very little treatment is possible or desirable this decade, and most stands will simply be allowed to age. Several relatively small aspen stands will be harvested and

regenerated, but one stand will be deferred for 10 years to help balance the age class distribution. Several forest stands will continue to be designated as “Special Conservation Areas” (SCA’s) along Elwood Creek to provide mature riparian zone wildlife habitat. In addition, a block of stands in the southeast corner of the compartment are designated as “SCA’s” to provide a mature forest block for wildlife within this predominately early-successional compartment.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine sand and gravel. The glacial drift thickness varies between 10 and 50 feet. Beneath the glacial drift is the Ordovician Trenton Group. The Trenton is quarried for limestone elsewhere in the UP. None of the State land has been previously leased for metallic mineral exploration. Gravel pits are located in the area and there could be potential on the uplands. No economic oil and gas production has been found in the UP.

**Vehicle Access:** Very accessible via the Westman and Camp “O” Roads.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** Hunting and trapping, ORV recreational riding on the Forest Island Trail.

**Fire Protection:** In the event a fire should start within this block there are a number of roads which will provide access for fire equipment.

**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: 53

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			173	212	123	19	20		9	17									573
Black Spruce					12			7	3										22
Bog or Marsh	11																		11
Cedar										2									2
Grass	7																		7
Hemlock													19	8					27
Lowlnd Brush	125																		125
Marsh	26																		26
Mx Swmp Cnfr							3												3
Non Stocked	12																		12
Paper Birch								1											1
Red Pine								8			16								24
Spruce Fir					2			7	1										10
Swamp Hrdwds			143	16	5				77	14	10								265
Upland Hdwds		1			5				25	5								118	154
Water	1																		1
White Pine			16		5			6	7										34
<b>Total</b>	<b>182</b>	<b>1</b>	<b>332</b>	<b>228</b>	<b>152</b>	<b>19</b>	<b>23</b>	<b>29</b>	<b>122</b>	<b>38</b>	<b>26</b>		<b>19</b>	<b>8</b>				<b>118</b>	<b>1297</b>

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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: 53

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	573																										573
S Black Spruce		22																									22
V Bog or Marsh			11																								11
C Cedar				2																							2
G Grass					7																						7
H Hemlock						27																					27
L Lowlnd Brush									125																		125
N Marsh											26																26
Q Mx Swmp Cnfr												3															3
X Non Stocked													12														12
B Paper Birch															1												1
R Red Pine																24											24
F Spruce Fir																			10								10
E Swamp Hrdwds																				265							265
M Upland Hdwds																								152	2	154	
Z Water																									1	1	
W White Pine																										34	34
<b>Total</b>	573	22	11	2	7	27			125		26	3	12		1	24			10	265				152	1	36	1297

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: **53**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7325 Cds	Hardwood	725 Cds
Hardwood	17 Mbf	Softwood	114 Cds
Softwood	2348 Cds	Softwood	4 Mbf
Softwood	352 Mbf	Sum CutVol	847 Cds
Sum TotVol	10411 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1297		40	

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 53**

**Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
<b>38</b>	<b>W6</b>	3	63	60	white pine	mature	selection	2		
<p>comnts Fmd : STAND WAS PRUNED AND THINNED IN 1978. 3-15-07 Select Harvest this stand; Harvest the Aspen, Red Maple, White Birch, and high Risk Pine. Alternate acceptable regeneration of F/A/W. Harvest during the months where the ground is not frozen for scarification. (In-Stand Retention): Leave some large diameter cavity trees.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<b>49</b>	<b>A6</b>	7	71	57	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : (3-15-07) Final Harvest this stand. Harvest Spruce and Fir 3 sticks and greater. Leave Pine, Cedar, Hemlock. (Pre-Review comments): Coordinate with Wildlife division to mark 1-2 white birch trees per acre. (Retention): retention guidelines will be met by following comments.</p> <p>Wld : Wildlife will mark 1-2 paper birch per acre for diversity and future down woody debris (7-14 total trees).</p>										
<b>65</b>	<b>A6</b>	3	79	55	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : 3-15-07 This stand was left when stand 17 was cut. This is a narrow strip. 99/2 is green and black ash. Final harvest; Harvest all but Ash, Cedar, Hemlock, and Spruce/Fir &lt; 3 sticks. (In-Stand Retention): Retention guidelines will be met by following the comments.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<b>75</b>	<b>M6</b>	2	77	55	white pine	mature	selection	1		
<p>comnts Fmd : Treat with stands 116, and 51. (In-Stand Retention): Leave some large diameter cavity trees.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<b>108</b>	<b>W6</b>	1	63	60	white pine	mature	selection	2		
<p>comnts Fmd : 3-15-07 Some W in the understory. Select harvest this stand, Harvesting Aspen, Birch, Maple, 3 stick and greater B.Fir and Spruce and mark some Pine. Cut during non-frozen ground conditions for scarification. (In-Stand Retention): Leave some large diameter cavity trees.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<b>109</b>	<b>W6</b>	2	63	60	white pine	immature	selection	2		
<p>comnts Fmd : 3-15-07 W in the understory. Select harvest this stand, remove Maple, Aspen, Birch and 3 stick and greater B.fir and spruce. Harvest during the non frozen months for scarification. (In-Stand Retention): Leave some large diameter cavity trees.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<b>116</b>	<b>A6</b>	19	43	55	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : PreReview comments: Coordinate with wildlife division to mark 1-2 white birch trees per acre. Retention: Retain 3-10%.</p> <p>Wld : Wildlife will mark 1-2 paper birch per acre for diversity and future down woody debris (19-38 total trees).</p>										
<b>118</b>	<b>B6</b>	1	63	60	paper birch	mature	final harvest	1		
<p>comnts Fmd : 3-15-07 Final Harvest; Harvest everything except Hemlock and harvest Sp./B.F 3 sticks or greater. Stand along the Westman Dam Road. Do not leave cedar for aesthetics. Acceptable regeneration mix of aspen and F type. (In-Stand Retention): Retention guidelines will be met by following comments.</p> <p>Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.</p>										
<p><b>Total Acres..... 38</b></p>										

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
51	A6	2	71	57	aspen (upland)	mature	removal	1		

TREATMENT LIMITING FACTORS: Potential or designated old growth

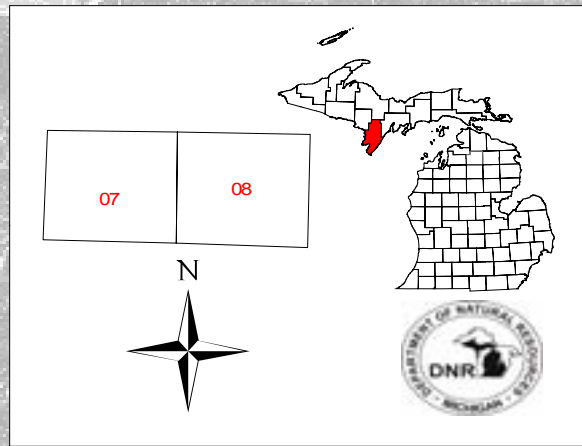
comnts Fmd : This stand was designated as old growth last time around. Discussed this with WLD and FISHD and decided to remove from this designation. Will only remove mature timber within this stand and follow BMP's.

Wld : Concur with FMFMD. As a reference, use the Within-Stand Retention Guidelines. This document includes targeted retention characteristics that may include; diversity (tree species, vertical, horizontal), mast trees, cavity trees/standing dead/down wood, retention, and additional considerations.

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**Total Acres..... 2**

Cmpartment 53  
 T35N, R25W, Sec. 7, 8  
 County: Menominee  
 Unit: Escanaba  
 YOE: 2009  
 Acres: 1,297 GIS Calculated  
 Stand Examiner: Dan McNamee  
 Dan Racine  
 Map Revised: 7/18/2007  
 Map Phase: Pre-review



# Field Map

**Legend**

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundaries
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 500 - Removal
- 800 - Selection

