



**ESCANABA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 110 ENTRY YEAR: 2009
Compartment Acreage: 280 County Delta

Last Revision: July 11, 2007

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

Legal Description: T41N, R23W, Section 34; T40N, R23W Sections 3, 10, and 15

Management Goals: The parcels that are located within sections 3, 10, and 34 have been listed for disposal. Most of the timber within this area was treated in the last treatment period and those stands that were not treated were adjacent to the Escanaba River and were listed as a Special Conservation Area. The block of land that is located in Section 15 will be retained and contains a red pine plantation that will be treated this decade. Most of the aspen was treated in the last treatment period and will need no treatment at this time.

Soil and Topography: Level to sloping. Soils range from poorly drained sands and loams in depressions on outwash plains and lake plains. Major soil series include Dawson and Greenwood peats, Kinross, Roscommon, Tawas and Emmet soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment land base is comprised of scattered, small blocks of state forest land. The surrounding landscape is primarily privately-owned agricultural lands with corporate holdings intermixed.

Unique, Natural Features: The Escanaba River and Reno Creek flow through this compartment.

Archeological, Historical, and Cultural Features: N/A

Special Management Designations or Considerations: Rare plants along the Escanaba River may need special consideration.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: *Ecological Context:* This compartment is within a broad plain of loamy ground moraine. Historically the uplands were covered with northern hardwood forests of sugar maple, beech, hemlock, cedar, and yellow birch. 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.

Recommendations: This very small compartment is comprised of 4 unconnected land holdings, 3 of which are along the banks of the Escanaba River. Those forest stands adjacent to the river continue to be designated a "Special Conservation Area" to protect the riparian corridor and promote mature forest conditions for species such as bald eagles, which commonly nest in the area. These parcels have been identified as possibilities for disposal from state ownership due to them being surrounded by private land and

inaccessible to the general public. A small block of land adjacent to Reno Creek is the only parcel that can be reached by the public. A red pine thinning is the only treatment proposed.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel, postglacial alluvium and lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 50 feet. The Ordovician Trenton Group underlies the glacial drift. The Trenton is quarried for stone and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. Part of this area has been previously leased for metallic exploration, but not currently. Gravel pits are located in the area and there should be potential. No economic oil and gas production has been found in the UP.

Vehicle Access: Survey Needs: The parcel of state land in Section 15 can be easily accessed by a good gravel road. All other parcels in this compartment can only be accessed by passing through private lands.

Recreational Facilities and Opportunities: Undeveloped recreational opportunities include canoeing, fishing, hunting and trapping.

Survey Needs: None

Fire Protection: In the event a fire should start in this area access is attainable.

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

DELTA COUNTY

COMPARTMENT: 110

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		10		40			6	18	16										90
Cedar													1						1
Grass	10																		10
Lowlnd Brush	26																		26
Lowlnd Poplr				5															5
Mx Swmp Cnfr								2		3									5
Red Pine					22														22
Spruce Fir		17		14				4	9										44
Swamp Hrdwds		10							3				2						15
Upland Hdwds				2					2									34	38
Water	24																		24
Total	60	37		61	22		6	24	30	3			3					34	280

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Michigan Department of Natural Resources - Operations Inventory System
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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	90																										90
C Cedar				1																							1
G Grass					10																						10
L LowInd Brush									26																		26
P LowInd Poplr										5																	5
Q Mx Swmp Cnfr												5															5
R Red Pine															22												22
F Spruce Fir																			44								44
E Swamp Hrdwds																				15							15
M Upland Hdwds																								38			38
Z Water																									24		24
Total	90			1	10				26	5		5			22				44	15				38	24		280

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

DELTA COUNTY

COMPARTMENT: **110**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1893 Cds	Softwood	189 Cds
Hardwood	68 Mbf	Sum CutVol	189 Cds
Softwood	1597 Cds		
Sum TotVol	3626 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	22
	280		

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 110 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
26	R6	21	37	55	red pine	immature	thinning	1		prescribed for fdf treatment

comnts Fmd : This stand was planted in 1970. First thinning was done during 2000. Harvested under permit #33-006-99-01 "Reno Creek Sale".
There is no understory in this stand.

Wld : Concur with FMFMD.

31	R6	1	37	55	red pine	immature	thinning	1		
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comnts Fmd : Small stand of red pine plantation on west side of powerline, should be harvested when stand 26 is treated.

Wld : Concur with FMFMD.

Total Acres..... 22

**Proposed Treatments
With Limiting Factors**

Compartment: 110

Entry Year: 2009

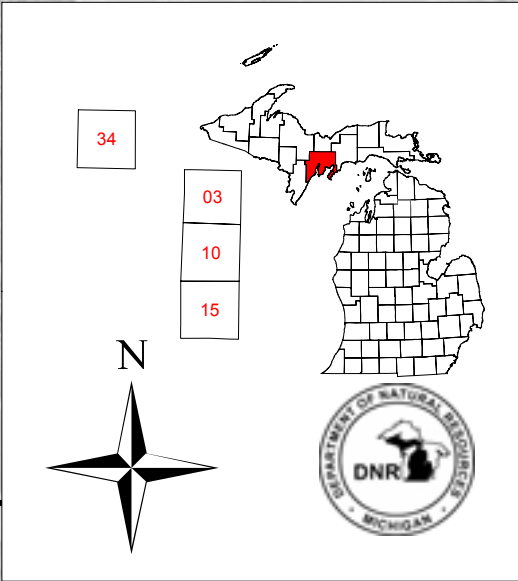
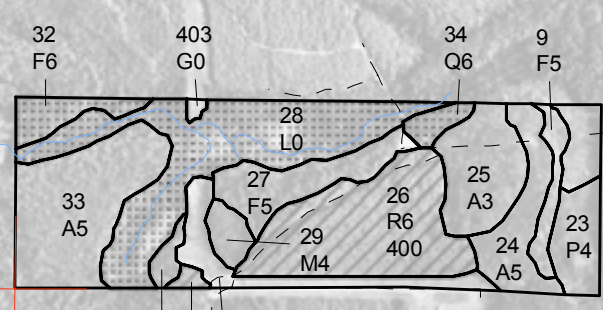
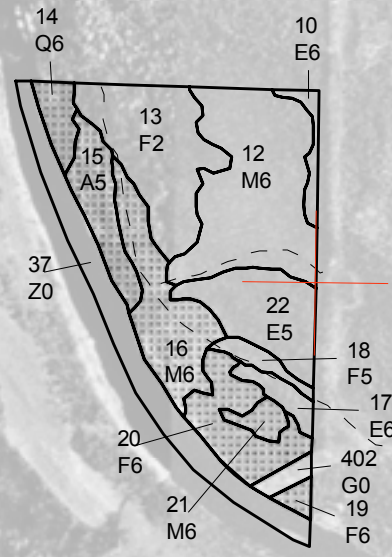
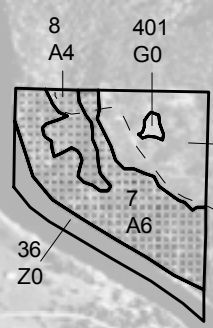
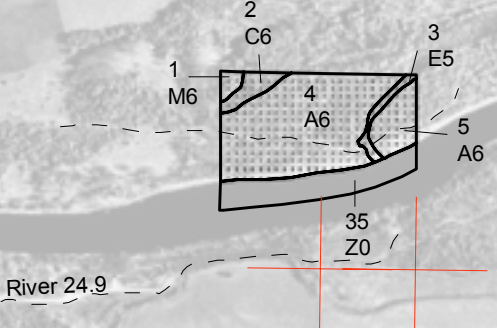
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 110
 T40N, R23W, Sec. 3, 10, 15
 T41N, R23W, Sec. 34
 County: Delta
 Unit: Escanaba
 YOE: 2009
 Acres: 280 GIS Calculated
 Stand Examiner: Dan McNamee
 Map Revised: 7/18/2007
 Map Phase: Pre-review



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old Growth Area
- 400 - Thinning

