



**ESCANABA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: #036 ENTRY YEAR: 2007

Compartment Acreage: 676 County: Menominee

Last Revision: October 7, 2005

Stand Examiner: Dan Racine, Forester, FMFM; Natalie Nelson-Randall and Craig Albright, Wildlife Division

Legal Description: T37N R25W, Sections 28 and 33.

Management Goals: This compartment is comprised of 311 acres of Aspen, Spruce/Fir, and Upland Hardwoods. There is 328 acres of lowland forest types including Black Spruce, Cedar, Mixed Swamp Conifer, and Lowland Poplar. There are 3 acres of Marsh and 8 acres of Grass. There are a total of seven stands proposed for treatment in this compartment. Four stands proposed for final harvest are mature Aspen stands. The management objective of these stands is to naturally regenerate the existing stand. Three stands proposed for treatment are upland Northern Hardwood stands. The management objective of these stands is to enhance the quality of the residual and regenerate the understory with a selective harvest.

Soil and Topography: The majority of soils in this compartment are comprised of Lupton-Cathro, Tawas-Deford, Onaway fine sandy loam, and Onaway Rousseau. In the lowland forest types the Lupton Cathro and Tawas Deford comprise the majority of these timber types. These soils are very poorly drained and level in depressions. The major limitations of these soils are severe wetness. The majority of upland soils consist of Onaway fine sandy loam. These soils are on ridges and knolls and well drained. The limitation of equipment in these soils is in the spring and wet times of the year.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is surrounded to the south by state land and north, east, and west by private land. The compartment is state land with private interspersed. The private land is non-industrial private landowners.

Unique, Natural Features (include only non-site specific and non-sensitive information): None Known.

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

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations:

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 compartment is a near equal mix of upland versus lowland forest types. Uplands are chiefly aspen, northern hardwoods and balsam fir. Lowlands are cedar or mixed swamp conifer. A main management thrust this decade is to regenerate mature aspen stands. These will provide valuable habitat for early successional wildlife species. These aspen stands generally have a thick fir understory, so the new stands will have a mixture of aspen and conifer. Maintenance of tree species diversity, including some ironwood, will be the aim of hardwood treatments.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Formation underlies the glacial drift. The Trenton is quarried for stone west of Escanaba. This area has not been leased previously for metallic exploration. A gravel pit is located on a drumlin in Section 27 and potential appears to be good 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: The vehicle access to the north is off No.32 road and the Mack road. The access to the south is off E-1 lane. Access to the proposed treatments is through these roads. Road work and maintenance will be necessary for hauling purposes to main roads.

Survey Needs: Survey corners will need to be placed for the center of section 33, the W1/4 of section 33 and the N1/16 of section 33.

Recreational Facilities and Opportunities: There are no developed facilities within this compartment. The major recreation in this compartment is hunting, viewing, and ORV use.

Fire Protection: There are no special needs for fire protection within this compartment. The water sources are Collard Creek and the Big Cedar River.

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: 36

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		58	12		3	31	41												145
Black Spruce												2							2
Cedar						1				94	22	49	38		7				211
Grass	8																		8
Local Name	4																		4
LowInd Brush	14																		14
LowInd Poplr		3			5														8
Marsh	3																		3
Mx Swmp Cnfr				2						33	50		30						115
Spruce Fir		72	17																89
Upland Hdwds		5								17								55	77
Total	29	138	29	2	8	32	41			144	72	51	68		7			55	676

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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: 36

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	145																										145
S Black Spruce		2																									2
C Cedar				211																							211
G Grass					8																						8
I Local Name								4																			4
L LowInd Brush									14																		14
P LowInd Poplr										8																	8
N Marsh											3																3
Q Mx Swmp Cnfr												115															115
F Spruce Fir																			89								89
M Upland Hdwds																								77			77
Total	145	2		211	8			4	14	8	3	115							89					77		676	

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: **36**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3010 Cds	Hardwood	1265 Cds
Hardwood	63 Mbf	Hardwood	14 Mbf
Softwood	7574 Cds	Softwood	232 Cds
Sum TotVol	10710 Cds	Sum CutVol	1525 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
676		98	

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 36

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
27	A6	23	52	49	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : LONG TERM MO IS A/F. LEAVE BUFFER ALONG COLLARD CREEK. REGENERATE TO AN A/F TYPE LEAVING SUBMERCHANTABLE BALSAM AND SPRUCE.											
31	M6	15		63	northern hardwood	unevenaged	selection	2	natural regeneration		
comnts Fmd : THIS STAND COULD BE THINNED.											
40	M6	6		63	northern hardwood	unevenaged	selection	2	natural regeneration		
comnts Fmd : Some ironwood in this stand may be cut.											
44	A6	26	42	70	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : HARVEST THIS STAND LEAVING MINOR SPECIES AND FINAL HARVEST OF EVERYTHING ELSE. LEAVE SUBMERCHANTABLE BALSAM. LONG TERM MO IS A/F											
49	A6	5	43	66	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : LONG TERM MO IS A/F											
50	M6	5		73	northern hardwood	unevenaged	selection	2	natural regeneration		
53	A6	18	51	72	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : LONG TERM MO IS A/F											
Total Acres.....		98									

**Proposed Treatments
With Limiting Factors**

Compartment: 36

Entry Year: 2007

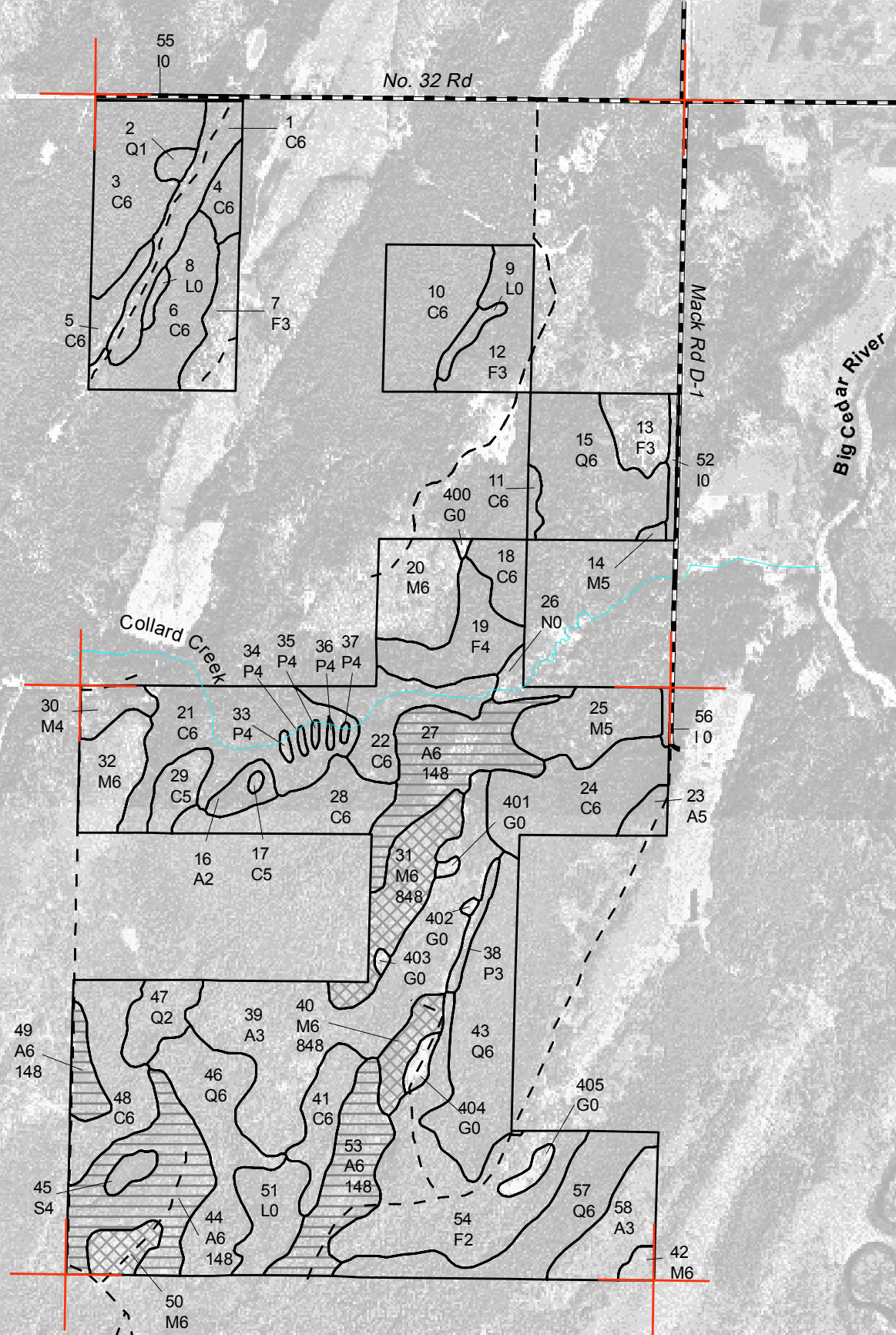
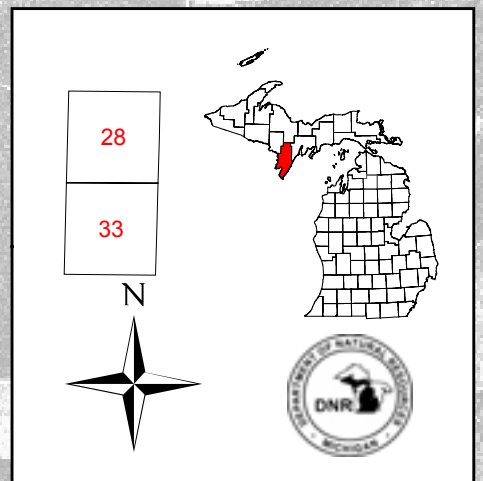
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 36
 T37N, R25W, Sec. 28, 33
 County: Menominee
 Unit: Escanaba
 YOE: 2007
 Acres: 676 GIS Calculated
 Stand Examiner: Eric Thompson
 Map Revised: 10/13/2005
 Map Phase: Pre-review

Field Map



Legend

- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- 148 - Final harvest/Natural regeneration/Other
- 848 - Selection/Natural regeneration/Other

Name Water Features

