



## ESCANABA FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT #088    ENTRY YEAR: 2008

Compartment Acreage: 1395    County: DELTA

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*Last Revision: August 9, 2006*

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

**Legal Description:** T41N, R23W, Sections 1, 2, 11, and 12

**Management Goals:** The compartment is comprised of 589 acres of aspen and 180 acres of other upland timber types. Cedar is 162 acres and 337 acres are in other lowland timber types. Openings and other non timber areas within this compartment comprise 127 acres. The compartment is located west of Perkins and in a deer yard area. There are seven stands proposed for a final harvest treatment with the objective of regenerating aspen and maintaining or increasing the conifer component. Three stands are proposed for a thinning harvest in northern hardwood stands. Three stands are proposed for a seed tree harvest in tamarack.

**Soil and Topography:** The soils in this compartment are composed of Charlevoix, Cathro Tacoosh, Carbondale-Lupton-Rifle, Ensley, Kiva fine sandy loam, and Trenary fine sandy loam. The soils are mostly poorly drained with well drained to somewhat well drained soils in the upland ridges. The entire compartment is nearly level with areas of depressions and upland ridges.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is surrounded by private land with some private parcels interspersed throughout. Two stands proposed for treatment will require access through private property.

**Unique, Natural Features:** This compartment is in a deer yard area west of Perkins. The Days River traverses the eastern side of the compartment.

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

**Special Management Designations or Considerations:** There are several stands proposed for a Special Conservation Area for riparian area management zones.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** *Ecological Context:* This compartment is within a broad plain of loamy ground moraine. Historically, uplands 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.

*Recommendations:* This compartment is largely a mixture of aspen forest (much of it sapling-sized) and cedar-tamarack swamp in the intervening lowlands. The Days River bisects the compartment, and stands along its bank are designated as a Special Conservation Area to promote older forest conditions. The mixture of upland and lowland cover types, and the variety of stand ages, has produced a diverse and high quality habitat setting for wildlife, particularly popular game species (deer, grouse, woodcock, black bear). Several standard forestry prescriptions will be implemented in this compartment in the coming decade to regenerate mature aspen and tamarack stands and to encourage tree growth in northern hardwoods.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of medium-textured till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group underlies the glacial drift. The Black River is used for dolomite/stone and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. This area has not been previously leased for metallic exploration, but areas several miles to the north and south were previously leased. A gravel pit is located in Section 11 and potential appears to be good. No economic oil and gas production has been found in the UP.

**Vehicle Access:** Access to the compartment from the north is the St.Nicholas Road and from the south is Beaver Lane. Access on the east and west boundaries of the compartment is through private property.

**Survey Needs:** Several stands will require private property lines.

**Recreational Facilities and Opportunities:** There are no developed recreational sites within this compartment. The main recreational opportunities are hunting, fishing, and sight seeing.

**Fire Protection:** There are no significant fire dangers within this compartment. Water sites within this compartment are the Days River and intermittent streams.

**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

DELTA COUNTY

COMPARTMENT: 88

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		163	202	61	118		4	24	17										589
Cedar										53	37	61	11						162
Grass	36																		36
Lowlnd Brush	91																		91
Lowlnd Poplr		9	68																77
Mx Swmp Cnfr				19	10	3				39	8	5	19	12	1				116
Paper Birch									2										2
Spruce Fir			11			2	2	3	1										19
Swamp Hrdwds							6	2	3	3			27					5	46
Tamarack			5						27	66									98
Upland Hdwds																		159	159
<b>Total</b>	<b>127</b>	<b>172</b>	<b>286</b>	<b>80</b>	<b>128</b>	<b>5</b>	<b>12</b>	<b>29</b>	<b>50</b>	<b>161</b>	<b>45</b>	<b>66</b>	<b>57</b>	<b>12</b>	<b>1</b>			<b>164</b>	<b>1395</b>

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ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

DELTA COUNTY

COMPARTMENT: 88

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	589																										589
C Cedar				162																							162
G Grass					36																						36
L LowInd Brush									91																		91
P LowInd Poplr										77																	77
Q Mx Swmp Cnfr												116															116
B Paper Birch															2												2
F Spruce Fir																			19								19
E Swamp Hrdwds																				46							46
T Tamarack																					98						98
M Upland Hdwds																								159		159	
<b>Total</b>	589			162	36				91	77		116			2				19	46	98			159		1395	

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

DELTA COUNTY

COMPARTMENT: **88**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5846 Cds	Hardwood	1375 Cds
Hardwood	279 Mbf	Hardwood	32 Mbf
Softwood	6717 Cds	Softwood	1452 Cds
Sum TotVol	13121 Cds	Sum CutVol	2891 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	215
1395			

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 88**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
<b>1</b>	<b>M9</b>	18		60	northern hardwood	unevenaged	thinning	2		
<p>comnts Fmd : Large Diameter could benefit. Last cut in 1988, Thinning by Giguere. Retain the hemlock and favor to leave yellow birch. Improve the existing stand.</p> <p>Wld : Retain hemlock. Favor yellow birch where applicable. Concur with FMFMD.</p>										
<b>3</b>	<b>A6</b>	15	66	56	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : The west edge is heavier to a P/E between the transition of stands 3 and 19. Stay out of the E type. There is a lot of blowdown in this stand. Final Harvest of this stand Taking all Apsen and hardwood except the black ash. Leave all submerchantable spruce and balsam and all cedar. Long term Mo is A. Retain the cedar and ash. Check with the pipeline company to make sure pipe crossing meets their standards before any trucking is done.</p> <p>Wld : Concur with FMFMD.</p>										
<b>4</b>	<b>A6</b>	7	66	55	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Final Harvest this stand. Take all Balm, Aspen, and Spruce Fir with 1 or more sticks. Leave Cedar, Submerchantable Spruce and Fir and Black ash. Long term MO is A/F. Retain the cedar and ash. Check with the pipeline company to make sure pipe crossing meets their standards before any trucking.</p> <p>Wld : Concur with FMFMD.</p>										
<b>14</b>	<b>A6</b>	2	55	60	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Same as old stand 84. No ash,cedar to be cut. The MO is A. Cut all aspen,balsam with 1 or more sticks and most red maple. Leave the cedar and ash. Check with the pipeline company to make sure that pipe crossing meets their standards before any trucking is done.</p> <p>Wld : Concur with FMFMD.</p>										
<b>20</b>	<b>A6</b>	17	76	60	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Final harvest, Take the Aspen,Balm,Birch, and most of the Red maple. Leave submerchantable spruce and balsam and cedar,hemlock,and black ash. Specs needed for the pipeline. Stand regenerate to aspen,balm, and birch with softwood spruce and balsam for long term mo. Merchantability may be difficult with this stand when prepared due to a significant amount of blowdown.</p> <p>Wld : Concur with FMFMD.</p>										
<b>66</b>	<b>M6</b>	10		55	northern hardwood	unevenaged	selection	2	natural regeneration	
<p>comnts Fmd : F is a long term MO. Eastern border is an m6 type. Harvest this stand leaving some M. Thake all aspen,balsam and spruce with 2 or more sticks. Leave all cedar.</p> <p>Wld : Concur with FMFMD.</p>										
<b>77</b>	<b>F6</b>	3	60	55	spruce-fir (uplands-including upland black spruce)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Final harvest this stand removing all Aspen and balsam fir with 1 stick or more and maple. Leave the cedar.</p> <p>Wld : If found, leave white cedar. Concur with FMFMD.</p>										
<b>84</b>	<b>A6</b>	2	55	60	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Retain the cedar and ash. Check with the pipeline company to make sure any pipe crossing meets their standards before any trucking is done. Harvest the aspen,spruce/fir greater than 1 stick, balm, and maple. Alternate MO of F/A/M.</p> <p>Wld : Concur with FMFMD.</p>										
<b>105</b>	<b>T6</b>	12	79	45	tamarack	mature	seed tree	2	natural regeneration	
<p>comnts Fmd : Seed tree harvest in this stand. Leave all cedar and some seed tree tamarack, Leave the submerchantable spruce and balsam.</p> <p>Wld : Leave white cedar and some tamarack seed trees. Concur with FMFMD.</p>										
<b>106</b>	<b>T6</b>	27	76	50	tamarack	mature	seed tree	2	natural regeneration	
<p>comnts Fmd : Seed tree harvest leaving some T and the submerchantable spruce and balsam. Leave any cedar.</p> <p>Wld : Leave white cedar and some tamarack seed trees. Concur with FMFMD.</p>										
<b>114</b>	<b>M6</b>	16		65	northern hardwood	unevenaged	thinning	2		
<p>comnts Fmd : Thinning in this stand. The long term MO is M in this stand. Leave any minor component species.</p> <p>Wld : Concur with FMFMD.</p>										

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 88**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
121	T6	54	79	39	tamarack	mature	seed tree	2	natural regeneration	

comnts Fmd : This stand is of variable quality. Some areas are sparse and some of higher densities. This stand was broken out from an original T5 type with an area that is dominate to cedar left out as stand 133. Prescribe a seed tree leaving all cedar,some spruce, and tamarack seed trees.

Wld : Leave white cedar and some spruce & tamarack seed trees. Concur with FMFMD.

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**Total Acres..... 183**

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 88**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>32</b>	<b>A6</b>	2	60	50	aspen (upland)	mature	final harvest	2	natural regeneration	

TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Final Harvest this stand leaving the cedar and less than 1 stick spruce and balsam. Private property owner needs to give permission for access.

Wld : Concur with FMFMD.

<b>115</b>	<b>M6</b>	30		60	northern hardwood	unevenaged	thinning	2		
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TREATMENT LIMITING FACTORS: Other Agency concerns (name in comments)

comnts Fmd : Thiining in this stand.with long term MO of M. Leave minor component species. Lines along the private are needed. Private permission is needed for access to this sale. Make a new road off Beaver Lane and block the old road.

Wld : Concur with FMFMD.

**Total Acres..... 32**

