



**ESCANABA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT: 102    ENTRY YEAR: 2007**  
**Compartment Acreage: 689    County: Delta**

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*Last Revision: October 9, 2005*

**Stand Examiner:** Eric Thompson; Forest, Mineral, and Fire Management Division; Craig Albright, Wildlife Division

**Legal Description:** T42N, R22W, Sections 2 and 11

**Management Goals:** This compartment is mostly northern hardwoods with a mix of young aspen. Most of the hardwoods have been treated within the last decade. Some of the more open areas within a few of the hardwood stands will be under-planted with either white pine or hemlock or both.

**Soil and Topography:** Soil series include Longrie, Carbondale, Cathro, Trenary, Sundell, Ensley, and Charleviox. Topography is gently rolling to mostly level.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:**

This compartment is part of a block of state land south of E. Maple Ridge Road that is approximately 5000 acres. North and west of this compartment is state land. South and east of this compartment is private forest land managed for timber and recreational purposes.

**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:** Friday Creek flows through this compartment.

**Wildlife Habitat Considerations:** *Landscape Context:* This compartment is within a broad plain of loamy soils deposited by glacial activity. Drumlin ridges, trending northeast to southwest, are common in this landscape but are not too evident here. Historically ridge tops were covered with diverse northern hardwood forests and intervening 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.

*Wildlife Considerations this Decade:* This small compartment is mainly northern hardwood forest of sugar maple and basswood. Under-planting of white pine and/or hemlock is prescribed for Stand 42 to increase tree species diversity, and thus wildlife habitat diversity. Hardwood stands in the compartment to the west also have this under-planting prescription. Friday Creek flows through the north portion of this compartment, and several stands adjacent to it have been designated a "special conservation area" to protect the riparian habitat. This designation will allow the development of larger trees, potential dens, cavities, dead snags, and woody debris on the forest floor for wildlife benefits.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton Limestone underlies the glacial drift. The Trenton is quarried for stone to the south, north of Rapid River and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. This Compartment has been previously leased for metallic exploration. Gravel pits are located in Section 34 and there appears to be potential. 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:** Access to this compartment is very good. Most of the compartment can be access from the Maki Road which runs through the middle of this stand. The northeast corner of this compartment is accessible but access is through private land.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** There are no developed facilities within this compartment. There are plenty of opportunities for hunting.

**Fire Protection:** The timber types in this compartment are not prone to fire. There is a water source nearby.

**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: 102

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS											100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
	Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99									
Aspen		17	31	25		9													82	
Cedar												44	3						47	
Grass	18																		18	
Lowlnd Poplr		2	2	26															30	
Mx Swmp Cnfr			6			1						6							13	
Paper Birch							8	2											10	
Swamp Hrdwds							75	6		13									94	
Upland Hdwds			4					6										385	395	
<b>Total</b>	<b>18</b>	<b>19</b>	<b>43</b>	<b>51</b>		<b>10</b>	<b>83</b>	<b>14</b>		<b>13</b>		<b>50</b>	<b>3</b>					<b>385</b>	<b>689</b>	

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Michigan Department of Natural Resources - Operations Inventory System  
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COMPARTMENT: 102

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	82																										82
C Cedar				47																							47
G Grass					18																						18
P Lowlnd Poplr										30																	30
Q Mx Swmp Cnfr												13															13
B Paper Birch															10												10
E Swamp Hrdwds																				94							94
M Upland Hdwds																									395		395
Total	82			47	18					30		13			10					94					395		689

ESCANABA RIVER STATE FOREST

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COMPARTMENT: **102**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3888 Cds	Hardwood	76 Cds
Hardwood	854 Mbf	Softwood	44 Cds
Softwood	1722 Cds	Sum CutVol	120 Cds
Softwood	69 Mbf		
Sum TotVol	7456 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
689		10	

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 102**    **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
42	M6	177		60	northern hardwood	unevenaged		0	planting	stand with fdf potential	
<b>Total Acres.....</b>		<b>177</b>									

comnts Fmd : This stand was treated in 2003, under contract 33-011-00-01 "Maki Road Hardwoods". Was part of stand 24 but stand was devided into two so sale was not so big that contractor could finish in contract period. Lots of open areas within this stand. Underplant with white pine and/or hemlock, mainly in the more open areas. Use the most economical means to plant.

**ESCANABA FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 102**    Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
<b>28</b>	<b>M6</b>	1		60	northern hardwood	unevenaged	shelterwood-seed	3	natural regeneration	

TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage

comnts Fmd : Very small island of red maple. This stand could be cut, however, this is a very small stand. Access is not real easy.

<b>35</b>	<b>A5</b>	9	44	50	aspen (upland)	immature	final harvest	3	natural regeneration	
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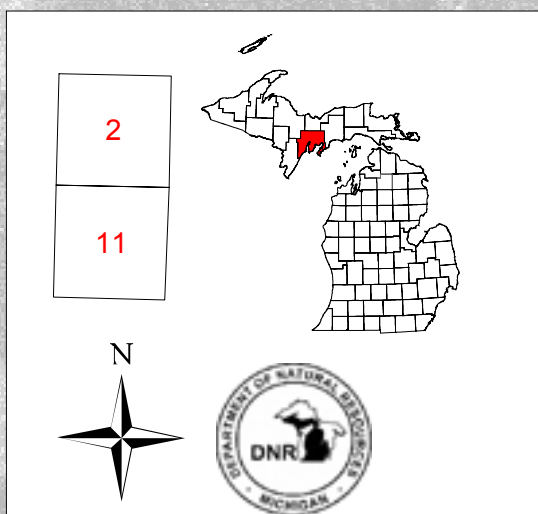
TREATMENT LIMITING FACTORS: Inadequate volume due to low stocking/small diameter/etc.

comnts Fmd : Mixed stand could be seperated into several smaller stands. Mostly this is a mature balsam and aspen with an understory of balsam and aspen. Some black ash areas mixed in. Winter harvest.

**Total Acres..... 10**

# Field Map

Compartment 102  
 T42N, R22W, Sec. 2, 11  
 County: Delta  
 Unit: Escanaba  
 YOE: 2007  
 Acres: 689 GIS Calculated  
 Stand Examiner: Eric Thompson  
 Map Revised: 10/14/2005  
 Map Phase: Pre-review



## Legend

- ◆ RLS Corners
  - Miris Corners
  - ▬ Gravel Roads
  - - - Poor Dirt Roads
  - Stand Boundary
  - ▨ Biodiversity/Old Growth Area
  - ▧ 018 - Planting/Other
  - ▩ 148 - Final Harvest/Natural Regeneration/Other
  - 348 - Shelterwood-seed/Natural Regeneration/Other
- Name Public Gravel Roads  
 Name Water Features

