



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 53**

**ENTRY YEAR: 2007**

**Compartment GIS acres: 1442**

**County: 52 Marquette**

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**Revision Date: 9/1/2005**

**Stand Examiner:** Kevin LaBumbard

**Legal Description:** T44N, R26W, Sections 34, 35, 36

**Management Goals:** Improve the quality of the Northern Hardwoods stands through selective management while maintaining species diversity, (including the conifer content) and den trees for wildlife. Additional goals are to provide age-class distribution of Aspen by harvesting selected stands. Considerations for species diversity, coarse woody debris, and BMP's will be included with every harvest plan.

**Soils and topography** Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the southwest portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paquin-Finch sand, and Rubicon sand.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment lies at the southern portion of a large block of land almost entirely owned by the State of Michigan. There are some private ownerships to the south of the compartment.

**Unique, Natural Features**

**Archeological, Historical, and Cultural Features**

**Special Management Designations or Considerations:**

Potential old growth stands: 11,18,20,22,61,63

**Watershed and Fisheries Considerations:**

The Big West Branch of the Escanaba River.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of medium-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau Formation subcrops below the glacial drift. The Trempealeau could be used for stone. A gravel pit is located ½ mile to the south, and potential is good on the upland drumlins. Abandoned iron mines are located eight miles to the northeast. This area was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Vehicle access to the compartment is good via Kate's Grade and several "2 tracks".

**Survey Needs:** none

**Recreational Facilities and Opportunities:** Recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting, and fishing along the Big West Branch of Escanaba River.

**Fire Protection:** This compartment has a low risk for wildfire.

**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

GWINN FOREST MGT UNIT

MARQUETTE 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		55	153	25	292	40			2		34								601
Black Spruce									4		50								54
Cedar									61	139			19		9		21		249
Grass	61																		61
Hemlock																	6		6
Local Name	2																		2
Lowlnd Brush	10																		10
Lowlnd Poplr											16								16
Mx Swmp Cnfr				5			5				32		25	42	19		27		155
Spruce Fir		3							36					25					64
Upland Hdwds																		207	207
Water	17																		17
<b>Total</b>	<b>90</b>	<b>58</b>	<b>153</b>	<b>30</b>	<b>292</b>	<b>40</b>	<b>5</b>		<b>103</b>	<b>139</b>	<b>132</b>		<b>44</b>	<b>67</b>	<b>28</b>		<b>54</b>	<b>207</b>	<b>1442</b>

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ESCANABA RIVER STATE FOREST

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MARQUETTE 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	601																										601
S Black Spruce		54																									54
C Cedar				249																							249
G Grass					61																						61
H Hemlock						6																					6
I Local Name								2																			2
L LowInd Brush									10																		10
P LowInd Poplr										16																	16
Q Mx Swmp Cnfr												155															155
F Spruce Fir																			64								64
M Upland Hdwds																								207			207
Z Water																									17		17
<b>Total</b>	601	54		249	61	6		2	10	16		155							64					207	17		1442

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **53**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11040 Cds	Hardwood	824 Cds
Hardwood	320 Mbf	Hardwood	34 Mbf
Softwood	8509 Cds	Softwood	263 Cds
Softwood	153 Mbf	Sum CutVol	1155 Cds
Sum TotVol	20495 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1442		127	

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 53**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>7</b>	<b>M6</b>	37		63	northern hardwood	unevenaged	selection	2	planting	
<p>comnts Fmd : Cut in 1986 with adjacent stand from compartment 47. Essentially all of the elm was removed at that time which resulted in large canopy gaps with relatively low BA, (50-90). However, there is excellent sugar maple regeneration in these gaps from that cutting, but essentially no regeneration in the more heavily stocked areas. The scheduled treatment will be very light, focusing on removing low forked and previously damaged trees.</p> <p>Wld : Underplant to hemlock upon sale completion</p>										
<b>17</b>	<b>M6</b>	56		57	northern hardwood	unevenaged	selection	2	planting	
<p>comnts Fmd : Thinned in 1989 by Gazan. No hardwood regeneration but lots of leatherwood.</p> <p>Wld : Underplant to hemlock upon sale completion</p>										
<b>32</b>	<b>A6</b>	26	94	66	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Scattered big aspen mixed with smaller diameter aspen, fir, and w. birch. A few balm on the fringed.</p>										
<b>45</b>	<b>A6</b>	8	88	62	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Big aspen, balm, w. spruce, and fir. Also a good mix of w. birch and red maple.</p>										
<b>407</b>	<b>G0</b>	6		66	grass	nonstocked		0	opening maintenance	
<b>408</b>	<b>G0</b>	5		48	grass	nonstocked		0	opening maintenance	
<p>Wld : Part of a hunter walking trail.</p>										
<b>Total Acres.....</b>		<b>138</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 53**

**Entry Year: 2007**

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

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Total Acres..... 0

