



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 39**

**ENTRY YEAR: 2007**

**Compartment GIS acres: 1568**

**County: 52 Marquette**

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

**Stand Examiner:** Kevin LaBumbard

**Legal Description:** T45N, R26W, Sections 22, 27, 34

**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. Considerations for species diversity, coarse woody debris, and BMP's will be included with every harvest plan.

**Soils and topography** Terrain ranges from fairly level to very steep with high ridges and sink holes. Soils are mostly excessively drained sands including Rubicon, Croswell, Munising, and Kalkaska.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Mostly state land with a few private camps and inholdings.

**Unique, Natural Features**

**Archeological, Historical, and Cultural Features**

**Special Management Designations or Considerations:**

Potential old growth stands: 19

**Watershed and Fisheries Considerations:**

Haywire Lake and its tributaries.

**Wildlife Habitat Considerations:**

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

Surface sediments consist of coarse-textured glacial till and peak and muck. The glacial drift thickness varies between 100 and 200 feet. Archean Granite/Gneiss subcrops below the glacial drift. Some of the granite/gneiss has been/could be used as dimension stone. Gravel pits are located in Section 27 and potential is good. Abandoned iron mines are located five miles to the east. This area was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Vehicle access to the compartment is very good via Crooked Lake Rd, Haywire Lake Rd and several "2 tracks".

**Survey Needs:** Survey needed between sections 27 and 34.

**Recreational Facilities and Opportunities:** This compartment contains a segment of the Bass Lake ORV Trail. Additional recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting.

**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: 39

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			210	250	81	12	4											6	563
Black Spruce										11	173								184
Bog or Marsh	31																		31
Grass	34																		34
Local Name	17																		17
Lowlnd Brush	2																		2
Mx Swmp Cnfr								198	3			35							236
Oak										71									71
Upland Hdwds							135											282	417
Water	13																		13
<b>Total</b>	<b>97</b>		<b>210</b>	<b>250</b>	<b>81</b>	<b>12</b>	<b>139</b>	<b>198</b>	<b>3</b>	<b>82</b>	<b>173</b>	<b>35</b>						<b>288</b>	<b>1568</b>

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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: 39

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	563																										563
S Black Spruce		184																									184
V Bog or Marsh			31																								31
G Grass					34																						34
I Local Name								17																			17
L LowInd Brush									2																		2
Q Mx Swmp Cnfr												236															236
O Oak														71													71
M Upland Hdwds																								417			417
Z Water																									13		13
<b>Total</b>	<b>563</b>	<b>184</b>	<b>31</b>		<b>34</b>			<b>17</b>	<b>2</b>			<b>236</b>		<b>71</b>										<b>417</b>	<b>13</b>		<b>1568</b>

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **39**

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

TOTAL VOLUME		CUT VOLUME	
Hardwood	8709 Cds	Hardwood	1477 Cds
Hardwood	948 Mbf	Sum CutVol	1477 Cds
Softwood	6353 Cds		
Softwood	50 Mbf		
Sum TotVol	17058 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1568		205	

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 39**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>22</b>	<b>M6</b>	60		50	northern hardwood	unevenaged	thinning	2	planting	
<p>comnts Fmd : Fair quality, lots of low forks and Eutypella. Smaller DBH and poorer quality in the west portion of the stand. Some areas along the two-tracks have been cut quite heavily by illegal firewood cutting. Occasional cherry, yellow birch, and soft maple.</p> <p>Wld : Underplant to hemlock upon sale completion.</p>										
<b>27</b>	<b>M6</b>	29	55	51	northern hardwood	immature	thinning	2	planting	stand with fdf potential
<p>comnts Fmd : Fair to good quality even-aged hard maple stand with occassional y. birch, soft maple, cherry, and red oak clump. Terrain is hilly with ridges and sink holes.</p> <p>Wld : Underplant to hemlock upon sale completion.</p>										
<b>28</b>	<b>M6</b>	69	55	51	northern hardwood	immature	thinning	2	planting	stand with fdf potential
<p>comnts Fmd : Good quality even-aged hard maple stand with occassional soft maple and cherry. Southeast portion is rocky with steep ridges and sink holes. Northern porthion has flatter "plateaus" with better quality stems. Retain all conifers.</p> <p>Wld : Underplant to hemlock upon sale completion.</p>										
<b>29</b>	<b>M6</b>	28		50	northern hardwood	immature	thinning	2	planting	
<p>comnts Fmd : Even-aged smaller DBH (7"-8") sugar maple pole stand. Stocking is fairly low in places. Rolling terrain.</p> <p>Wld : Underplant to hemlock upon sale completion.</p>										
<b>Total Acres.....</b>		<b>186</b>								

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 39**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>4</b>	<b>O5</b>	23	80	60	oak	immature		0	cleaning & weeding	

TREATMENT LIMITING FACTORS: Other special wildlife habitat consideration (desc. In comments)

comnts Fmd : Area treated under timber sale # 010-97-01. This stand is one of only a few oak stands in the Gwinn Unit. Underburn a portion of the stand with a light prescribed fire using M.I.S.T. tactics to control unwanted maple regeneration.

<b>5</b>	<b>O9</b>	48	80	70	oak	immature		0	cleaning & weeding	
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TREATMENT LIMITING FACTORS: Other special wildlife habitat consideration (desc. In comments)

comnts Fmd : Area treated in 1998 under permit # 012-97-01. This stand is the best oak stand in the Gwinn area. Underburn with a light prescribed fire using M.I.S.T. tactics to control the undesirable hardwood regeneration.

<b>35</b>	<b>M6</b>	19	55	51	northern hardwood	immature	thinning	2	planting	stand with fdf potential
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TREATMENT LIMITING FACTORS: Land survey needed  
Too steep  
Blocked by other physical obstacle

comnts Fmd : Good quality even-aged hard maple stand with occasional larger sugar maple and yellow birch remnant. Most of the stand is inoperable due to very steep ridges and excessive rocks and scattered room size boulders. Access is required through private land and road building would be very expensive. A survey would also be required to establish ownership boundaries.

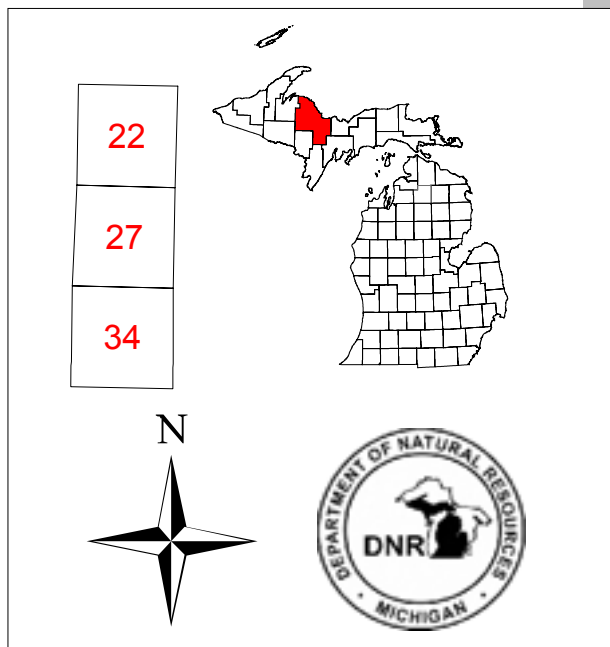
Wld : If this stand is harvested, underplant to hemlock upon completion.

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**Total Acres..... 90**

Compartment 39  
 T45N, R26W, Sec. 22, 27, 34  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2007  
 Acres: 1,568 GIS Calculated  
 Stand Examiner: Kevin LaBumbard  
 Map Revised: 9/19/2005  
 Map Phase: Pre-review

# Field Map



**Legend**

- Miris Corners
- ▬ Gravel Roads
- - - Poor Dirt Roads
- ⋯ Trails
- ORV Trails
- ▭ Stand Boundary
- ▨ Biodiversity/Old growth area
- ▧ 067 - Cleaning-weeding/Prescribed Burning
- ▩ 400 - Thinning

Name Poor Dirt Roads  
 Name Trails  
 Name Water Features

