



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #69 ENTRY YEAR: 2007**

**Compartment GIS acres 1909      County: 52 Marquette**

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**Revision Date:** 9/01/2005

**Stand Examiner:** Jerry Mohlman

**Legal Description:** T43N R 25W Sections 28, 29, 30

**Management Goals:** The dominant goal in selection harvests is to improve timber quality by removing competing poor quality trees and releasing the retained vigorous high timber quality trees with good potential for increasing in value. We will reduce the basal area to approximately 80 sq. ft./acre. We will also retain at least 2 wildlife trees per acre and all remnant old growth trees. Representative trees of all species and sizes will be retained in the stands. Protection of all riparian areas by buffers are part of all harvests. In the clearcut stands, aspen regeneration is the goal. We will retain some advanced spruce/fir regeneration for diversity. Dead trees are to be left in all harvests.

**Soils and topography:** Emmet fine sandy loam, Carbondale and Tawas soils, Rubicon sand, Croswell sand, Nahma muck, Cunard fine sandy loam, Escanaba loamy fine sand, Solona fine sandy loam, Ensley muck, Nadeau-Mancelona complex, Kalkaska sand are the predominant soil types.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This is in a solid block of state land. Nearby private land is developed for private hunting camps mostly with some year-round private residences south of the compartment.

**Unique, Natural Features:**

**Archeological, Historical, and Cultural Features:** Many old sites such as logging camps and railroad grades from the original logging in the early 20<sup>th</sup> century are in this compartment. Mainly they are little more than raised mounds in the soil surface today. These sites will be protected from any timber harvest activity.

**Special Management Designations or Considerations:** Potential old growth or biodiversity stewardship stands: 20,24,34,36,41,43,46,47,51,62,63,71,72,74.

**Watershed and Fisheries Considerations:** Lone Pine creek.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:** **Compartment 69** Sections 28 - 30, T43N-R25W, Marquette County

Surface sediments consist of medium-textured till (drumlin area) and glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group subcrops below the glacial drift. The PdC could be used for stone. A gravel pit is located in Section 28 and potential is good on the upland areas. Abandoned

iron mines are located ten miles to the north. Section 33 was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Generally good throughout compartment. Some upland “islands” in wetlands are not accessible to vehicle traffic.

**Survey Needs:** None. This compartment is in a solid block of state land. There is one small area of private land on the west side with adequate corners.

**Recreational Facilities and Opportunities:** Snowmobile trail goes through compartment. Very popular area for hunting and the road through here goes to the Escanaba River for fishing access.

**Fire Protection:** The forest types in this compartment are low in fire frequency and access is good to most areas.

**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: 69

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		49	20	57	100	172	3	3	27	22									453
Cedar										45	303		96						444
Grass	155																		155
Hemlock													18		6				24
LowInd Brush	11																		11
LowInd Poplr								11	14										25
Marsh	27																		27
Mx Swmp Cnfr				2		2	26	23	2	13									68
Paper Birch									6										6
Spruce Fir		2	22	3	4				2	5									38
Swamp Hrdwds										19									19
Upland Hdwds																		638	638
Water	1																		1
<b>Total</b>	<b>194</b>	<b>51</b>	<b>42</b>	<b>62</b>	<b>104</b>	<b>174</b>	<b>29</b>	<b>37</b>	<b>51</b>	<b>104</b>	<b>303</b>		<b>114</b>		<b>6</b>			<b>638</b>	<b>1909</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: 69

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	444																							9			453
C Cedar				444																							444
G Grass					155																						155
H Hemlock						24																					24
L LowInd Brush									11																		11
P LowInd Poplr										25																	25
N Marsh											27																27
Q Mx Swmp Cnfr												68															68
B Paper Birch															6												6
F Spruce Fir																			38								38
E Swamp Hrdwds																				19							19
M Upland Hdwds																								638			638
Z Water																									1		1
<b>Total</b>	<b>444</b>			<b>444</b>	<b>155</b>	<b>24</b>			<b>11</b>	<b>25</b>	<b>27</b>	<b>68</b>			<b>6</b>				<b>38</b>	<b>19</b>				<b>647</b>	<b>1</b>	<b>1909</b>	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 69

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

TOTAL VOLUME		CUT VOLUME	
Hardwood	14866 Cds	Hardwood	1258 Cds
Hardwood	845 Mbf	Hardwood	6 Mbf
Softwood	8652 Cds	Softwood	139 Cds
Softwood	491 Mbf	Sum CutVol	1409 Cds
Sum TotVol	26190 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1909		96	

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 69**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
8	M6	7		68	northern hardwood	unevenaged	selection	2		stand with fdf potential	
comnts Fmd : cut in 1985. Ready for another light thinning. High quality mostly but some butt scars from possible old fire. Mostly ironwood in understory. Still crown room in areas so just a light thinning needed.											
13	A6	27	77	62	aspen (upland)	mature	final harvest	2			
comnts Fmd : Stand mature and should be cut. Some mortality. Hazel understory. Will protect dead and down wood during harvest.											
23	A6	9	79	58	northern hardwood	mature	shelterwood-prep	2			
comnts Fmd : Remove aspen and leave hardwood to convert to a hardwood stand. Good quality hardwood in most of stand. Mix of Basswood and Sugar maple. Parts of stand may be regenerated to aspen but overall most will be hardwood.											
37	A6	3	60	62	aspen (upland)	mature	final harvest	2			
comnts Fmd : Mix of Fir and Aspen. This stand looks like it can hold and there are areas of sight under-mature aspen but most is mature. Fir and spruce larger than average. Fades to ecotone east along opening and becomes wetter.											
42	M6	3		60	northern hardwood	unevenaged	selection	2			
comnts Fmd : This is a ridge that contains hardwood of fair to good quality. Aspen, spruce and fir is mixed in and will be removed in a harvest to convert the stand totally to hardwood management. Stand may not need marking but basal area may be reduced adequately by removing aspen and softwoods. May mark if time permits. Some blowdown has occurred in the large aspen especially adjacent to the clearcut west and north.											
44	A6	13	79	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : This was half the original stand left last time. Aspen is large. Some blowdown has occurred in the wetter areas. Some swales here will have to be watched for excessive rutting during harvest. All dead trees will be left. There is apparently adequate dead wood currently on site and it will be retained during and after harvest.											
48	A6	3	47	56	aspen (upland)	mature	final harvest	2			
comnts Fmd : This aspen could be cut. It also will hold and add volume. Right at edge of maturity. Thick F3 under along north side. Some sparse areas.											
49	A6	3	56	58	aspen (upland)	mature	final harvest	2			
comnts Fmd : Small stand of mature aspen. M3 2" sugar under NE part of stand. Stand is vigorous and possible to hold.											
50	M6	10		62	northern hardwood	unevenaged	selection	2			
comnts Fmd : High quality small stand ready to thin. Some areas not much BA over 90 sq ft but most of stand is ready for thinning.											
53	M6	7		64	northern hardwood	unevenaged	selection	2			
comnts Fmd : Overall good quality poles but quite a bit of sprout origin maple and basswood. Ready for thin and should concentrate on promoting single stem quality trees, removing twins and clumps where possible while maintaining BA 70 sq ft. Will insure adequate dead wood and all dead trees will remain at harvest.											
57	M6	8		66	northern hardwood	unevenaged	selection	2			
comnts Fmd : High quality pole stand . A few aspen to come out. Mostly evenaged. Was cut late 80's. A few sparse areas but over-stocked mostly.											
69	M6	3		68	northern hardwood	unevenaged	selection	2		stand with fdf potential	
comnts Fmd : A small stand ready for another thinning. Good potential but some large trees have poor timberquality. A lot of basswood. Some big aspen to come out.											
<b>Total Acres.....</b>		<b>96</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 69**

**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

