



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 55 ENTRY YEAR:2009  
Compartment GIS acres: 1883 County:Marquette**

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**Revision Date:8/8/2007**

**Stand Examiner:** John Koski

**Legal Description:** T44N R26W, Sections 7,8,9

**Management Goals:** Strive to perpetuate the component of aspen, mixed conifer swamp types, and dry mesic conifers where they now occur.

**Soils and topography:**Upland, Longnie Loam-Pasen Loam, Rubicon Sand. Lowland,Carbondale Rifle- Spaulding Peat. Rolling to flat in the low lands

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Almost completely surrounded by State land with similar cover type.

**Unique, Natural Features:** Chandler Brook, designated trout stream through Sec. 8 and 9. Poplar Creek in Sec.7and 8, along with a snowmobile trail through the entire compartment.

**Archeological, Historical, and Cultural Features:**

**Special Management Designations or Considerations:** SCA-potential old growth stands:1,2,13,14,15,16,20,24,25,26,33,38,39,41,46,54,56,58,62,63,66,68,70. ERA stands-7,8,9,12,43,44,74. Official listing plans are being prepared. The reason for the listing is because it is part of a dry mesic forest.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Strive for the best possible age class distribution in aspen. Ensure that mature and immature lowland conifer stands (high proportion of evergreen species, large cone/seed crop potential, closed canopies, minimal edge effect, and persistent dead and live branches creating complex vertical structure) are perpetually present and conserved. Harvested lowland conifer stands need to be regenerated to the evergreen conifer species in the same proportion as was found in the canopy pre-harvest. Conifer types are to be managed in a sustainable manner to provide critical habitat for game and nongame species. For all SCA, biodiversity maintenance stands-maintain as movement corridors for wildlife species and the protection of riparian areas. Promote biological legacies such as snags, coarse woody debris, and intact nutrient cycles. Maintain or increase biodiversity in northern hardwood stands through retention of associate species. Protect and/or enhance Ecological Reference Areas (ERA).

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group subcrops below the glacial drift. This formation is quarried in the UP for dolostone. A gravel pit is located in section 20 and potential appears to be good on uplands. Abandoned iron mines are located nine

miles to the northwest. This compartment has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Fair access via Section 32 Road from the north, Camp 10 Road , and Miller Creek Road from the south.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:**Hunting, fishing, trapping, ORV, and snowmobile trail riding.

**Fire Protection:** Within the Gwinn Mgmt. Unit area of fire protection.

**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: 55

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		87						29	66										182
Black Spruce		5						33		236	26		63	178					541
Bog or Marsh	6																		6
Cedar														16	136				152
Grass	5																		5
LowInd Brush	115																		115
LowInd Poplr			92																92
Mx Swmp Cnfr			15						17		32								64
Red Pine																		36	36
Spruce Fir			290						19			3							312
Tamarack				2									128			24			154
Treed Bog	74																		74
Upland Hdwds																		42	42
Water	3																		3
White Pine										26	39	40							105
<b>Total</b>	<b>203</b>	<b>92</b>	<b>397</b>	<b>2</b>				<b>62</b>	<b>102</b>	<b>262</b>	<b>97</b>	<b>43</b>	<b>191</b>	<b>194</b>	<b>136</b>	<b>24</b>		<b>78</b>	<b>1883</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: 55

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	122																									60	182
S Black Spruce		541																									541
V Bog or Marsh			6																								6
C Cedar				152																							152
G Grass					5																						5
L LowInd Brush									115																		115
P LowInd Poplr										92																	92
Q Mx Swmp Cnfr		15										49															64
R Red Pine																36											36
F Spruce Fir																			293							19	312
T Tamarack																					154						154
D Treed Bog																						74					74
M Upland Hdwds																								42			42
Z Water																									3		3
W White Pine																										105	105
<b>Total</b>	<b>122</b>	<b>556</b>	<b>6</b>	<b>152</b>	<b>5</b>				<b>115</b>	<b>92</b>		<b>49</b>			<b>36</b>			<b>293</b>		<b>154</b>	<b>74</b>		<b>42</b>	<b>3</b>	<b>184</b>	<b>1883</b>	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **55**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2556 Cds	Hardwood	1677 Cds
Hardwood	42 Mbf	Softwood	1391 Cds
Softwood	14147 Cds	Softwood	170 Mbf
Softwood	1368 Mbf	Sum CutVol	3408 Cds
Sum TotVol	19523 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	141
1883			

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 55**

**Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
7	S6	21	92	38	black spruce-swamp	immature	removal	2		
comnts Fmd : S6T4J4, Cut this tp.										
Wld : Leave a diverse age structure of black spruce, especially large wind firm trees for seed production. Retain some patches of spruce and representatives of associate species such as jack pine. Cut no cedar or white pine if it exists. Buffer transitional zones between stands #8 and #9 for wildlife corridors.										
9	A6	42	68	46	white pine	mature	final harvest	2		
comnts Fmd : A6F4J4, Cut now. Retain all red and white pine, hemlock, cedar, and obvious den trees.										
Wld : SCA-Cut no white pine, red pine, or oak if it exists. Use caution around advanced regeneration of white and red pine during sale to protect recruitment of these species. Buffer transitional zones around wet areas and protect corridors for wildlife species.										
12	A6	18	70	50	white pine	mature	final harvest	2		
comnts Fmd : A5F4W7, Cut this tp. Retain all red and white pine, hemlock, cedar and obvious den trees.										
Wld : SCA-Cut no white pine, red pine, or oak if it exists. Use caution around advanced regeneration of white and red pine to protect recruitment of these species. Buffer transitional zones near lowlands to provide movement corridors for wildlife species.										
40	A6	29	61	50	aspen (upland)	mature	final harvest	2		
comnts Fmd : A6F4W7, CUT THIS TP, Leave all red, white pine, cedar, hemlock, black cherry, and oak.										
Wld : Buffer transitional areas near lowlands as movement corridors for wildlife.										
43	S6	5	92	38	black spruce-swamp	immature	final harvest	2		
comnts Fmd : S6T4J4, Cut now.										
Wld : Retain patches of spruce and associate species along with good distribution of age class representation of spruce, especially large wind firm trees for future seed source. Buffer transitional areas for wildlife movement corridors.										
44	W9	1	91	50	white pine	immature	selection	6		
comnts Fmd : W8R8W4, CUT W/ADJ STD TO S. IN 2007										
Wld : SCA-Ecological Reference Area, Bryan Creek Dry Northern Forest. If treated, cut no white pine, red pine and protect advanced regeneration of red and white pine. Maintain representatives of associate species. Buffer lowland areas for wildlife movement corridors and promote biological legacies such as large live cavity trees, snags, coarse woody debris, and intact nutrient cycles.										
45	A6	6	68	46	aspen (upland)	mature	final harvest	2		
comnts Fmd : A6F4J4, CUT THIS TP, retain all cedar , hemlock, white pine, red pine, oak, and den trees.										
Wld : Cut no white pine, red pine, or oak if it exists. Protect advanced regeneration of white and red pine during timber harvest. Buffer transitional edges near lowlands to protect movement corridors for wildlife species.										
74	F6	19	70	50	white pine	mature	final harvest	2		
comnts Fmd : F4M4W7, LOT OF FIR, SPR. COMING IN, Leave the red and white pine, cedar and hemlock and obvious den trees.										
Wld : SCA-Cut no white pine, red pine, cedar. Protect advanced regeneration of white and red pine by using caution during logging operations. Retain representatives of associate species during harvest to maintain diversity.										
403	G0	1		38	grass	nonstocked		0	opening maintenance	
comnts Fmd : G-GRASS OPENING										
<b>Total Acres.....</b>		<b>142</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 55**

**Entry Year: 2009**

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<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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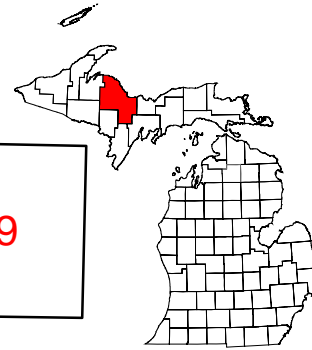
**Total Acres..... 0**

Compartment 55  
 T44N, R26W, Sec. 7, 8, 9  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2009  
 Acres: 1,883 GIS Calculated  
 Stand Examiner: John Koski  
 Map Revised: 8/03/2007  
 Map Phase: Pre-review

# Field Map

**Legend**

- Miris Corners
- ▬ County Gravel Roads
- ▬ Gravel Roads
- - - Poor Dirt Roads
- ⋯ Trails
- Water Features
- Wooden Posts
- ⊙ Iron Pipes
- ▭ Stand Boundary
- ▨ Biodiversity/Old Growth Area
- ▩ 026 - Opening Maintenance
- ▧ 100 - Final Harvest
- ▦ 500 - Removal
- ▤ 800 - Selection



07

08

09

N

