



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 228 ENTRY YEAR: 2008

Compartment Acreage: 574

County: Marquette

Revision Date: September 8, 2006

Stand Examiner: Dean Wilson

Legal Description: T46N-R28W, sections 22, 27,

RMU (if applicable):

Management Goals: Habitat/vegetation and mixed use.

Soil and Topography: Glacial and outwash plains form topography that is nearly level to gently rolling. Soils are coarse sands or organics in drainage way bottomlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is bordered by small non-industrial private ownerships. Land use is primarily for forest production, passive recreation, and residential.

Unique, Natural Features (include only non-site specific and non-sensitive information): The Escanaba River flows through section 27. Several other small streams also occur over this land.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): As a major County road runs north to south through this compartment, the surrounding private ownerships are becoming more urbanized.

Special Management Designations or Considerations: Special Conservation Areas (formally know as Old Growth stands) are shown on the attached map.

Watershed and Fisheries Considerations: Special conservation area designations are in place to allow for these considerations.

Wildlife Habitat Considerations: Much of this compartment has soils that consist of outwash plain with light xeric soils which make it suitable for jack pine, black spruce, and possibly some red pine. What it lacks in tree species diversity it gains in soft mast availability. Many stands within this compartment have reasonably good cherry, blueberry, june-berry, and wintergreen which make it an ideal place for birds and bears to forage during summer and fall.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as a

dimension stone. A gravel pit is located in Section 34 and there should be potential. The abandoned Republic iron mine is located eight miles to the northwest. This area has not been leased previously for metallic exploration, but active leases are located in Section 21 to the west. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to and internally in this compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: There is no developed recreation in this compartment. The heaviest public use is for hunting and trapping and other passive recreation.

Fire Protection: Fire occurrence is high in this area due to the flammable nature of the landscape. This compartment is in a zone dispatch area.

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 special conservation areas**

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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: 228

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
Black Spruce							11											89	100
Jack Pine		137	133	8	29	7				75									389
Local Name				38															38
Lowlnd Brush	25																	7	32
Upland Brush	15																		15
Total	40	137	133	46	29	7	11			75								96	574

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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: 228

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
S Black Spruce		100																									100
J Jack Pine							389																				389
I Local Name							38																				38
L Lowlnd Brush									32																		32
U Upland Brush																								15			15
Total		100					427		32															15			574

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **228**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Softwood	4148 Cds	Softwood	1941 Cds
Sum TotVol	4148 Cds	Sum CutVol	1941 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	109
574			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 228 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
3	J6	14	80	64	jack pine	mature	final harvest	1	direct seeding		
comnts Fmd : Stand received moderate damage from the storm of 7\21\02. Evidence of budworm is showing up starting last year. Existing mortality approximates 30% of this stand.											
8	J6	3	78	64	jack pine	mature	final harvest	1	direct seeding		
12	J6	21	80	63	jack pine	mature	final harvest	1			
13	J6	9	80	63	jack pine	mature	final harvest	1	direct seeding		
29	I3	25	26	58	jack pine	immature	final harvest	3	direct seeding		
comnts Fmd : SCOTCH PINE PLANTED BY MACHINE 1979-80. Now a mix of Scotts and jack pine. Scotts pine are generally poorly formed. Recommended to liquidate and convert to jack pine as soon as the stand becomes merchantable.											
30	I3	13	26	58	jack pine	immature	final harvest	3			
comnts Fmd : SCOTCH PINE PLANTED BY MACHINE 1979-80. Now a mix of Scotts and jack pine. Scotts pine are generally poorly formed. Recommended to liquidate and convert to jack pine as soon as the stand becomes merchantable.											
36	J6	24	80	70	jack pine	mature	final harvest	1	direct seeding		
comnts Fmd :											
Total Acres.....		109									

**Proposed Treatments
With Limiting Factors**

Compartment: 228

Entry Year: 2008

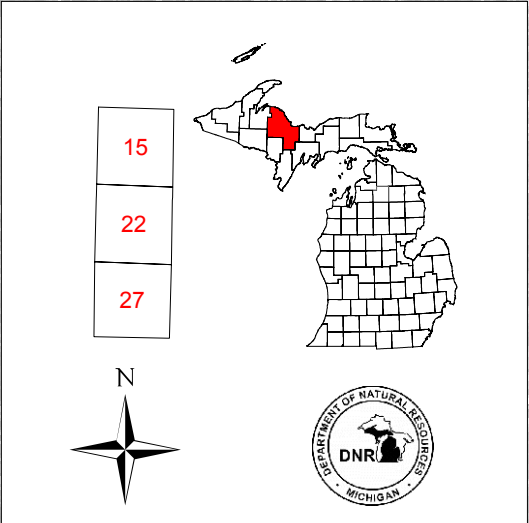
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 228
 T46N, R28W, Sec. 15, 22, 27
 County: Marquette
 Unit: Gwinn
 YOE: 2008
 Acres: 574 GIS Calculated
 Stand Examiner: Dean Wilson
 Map Revised: 9/14/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- County Paved Roads
- - - County Gravel Roads
- Stand Boundary
- Biodiversity/Old Growth Areas
- 100 - Final Harvest
- 135 - Final Harvest/Direct Seeding/Mechanical, other
- 136 - Final Harvest/Direct Seeding

