



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 210 ENTRY YEAR: 2007

Compartment GIS acres: 882 County: 52 Marquette

Revision Date: September 6, 2005

Stand Examiner: Dean Wilson

Legal Description: T48N-R28W, sections 16, 18, 20, 28.

RMU (if applicable):

Management Goals: Habitat/vegetation and mixed use.

Soil and Topography: Glacial drainage ways and moraines form topography that is nearly level to hilly with rock outcroppings. Soils are generally well drained sandy loams to loams.

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

Unique, Natural Features (include only non-site specific and non-sensitive information): The area's highly elevated rock outcroppings provide scenic vistas. The Barnhardt creek flows easterly through this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Remnants of old logging camps are common in this landscape.

Special Management Designations or Considerations: Management operations will largely be limited to winter to protect the soils and prevent site damage.

Watershed and Fisheries Considerations: These considerations are allowed for with potential old growth designations.

Wildlife Habitat Considerations: Maintain thermal cover for winter deer habitat. Optimize diversity in treated northern hardwood stands.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This could be used as a dimension stone. Gravel pits are located to the south, but there may be potential. Section 3 was previously leased for metallic exploration and gold prospects were located in the vicinity. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to the compartment but is somewhat limited internally.

Survey Needs: The corners marking the south boundary of section 16.

Recreational Facilities and Opportunities: There are no developed recreational opportunities in this compartment.

Fire Protection: The potential for uncontrollable wildfire in this compartment is low. Fire suppression tactics are limited by terrain and access in this area.

Additional Compartment Information: This compartment consists of five separate parcels ranging from 80 to 440 acres in size.

- **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**

09/19/2005 3:04:12 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 210

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		44	35																79
Cedar																		3	3
Hemlock																		10	10
Jack Pine						2													2
Lowlnd Brush	27																		27
Marsh	8																		8
Mx Swmp Cnfr												55						18	73
Oak																		8	8
Paper Birch									82										82
Spruce Fir			29		20	3		7				36						92	187
Swamp Hrdwds																		32	32
Upland Hdwds		11																351	362
Water	9																		9
Total	44	55	64		20	5		7	82			91						514	882

09/19/2005 3:04:19 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 210

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	79																										79
C Cedar				3																							3
H Hemlock						10																					10
J Jack Pine							2																				2
L Lowlnd Brush									27																		27
N Marsh											8																8
Q Mx Swmp Cnfr												73															73
O Oak														8													8
B Paper Birch															82												82
F Spruce Fir																			187								187
E Swamp Hrdwds																				32							32
M Upland Hdwds																								362			362
Z Water																									9		9
Total	79			3		10	2		27		8	73		8	82				187	32				362	9	882	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 210

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6771 Cds	Hardwood	1812 Cds
Hardwood	1394 Mbf	Hardwood	101 Mbf
Softwood	3531 Cds	Softwood	333 Cds
Softwood	229 Mbf	Sum CutVol	2347 Cds
Sum TotVol	13548 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
882		167	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 210 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
18	M6	2		55	northern hardwood	unevenaged	selection	1		
comnts Fmd : An attempt to regenerate oak with canopy gaps should be made. Hemlock will not be cut.										
20	M6	40		55	northern hardwood	unevenaged	selection	1		
comnts Fmd : Hemlock will not be cut.										
25	B6	14	70	55	paper birch	mature	seed tree	1		
comnts Fmd : Maple and Spruce-fir will seed in along with some birch. Aspen and maple coppice reproduction will also likely occur.										
27	M6	9		51	northern hardwood	unevenaged	final harvest	1		
comnts Fmd : Poor hardwood site does not warrant selection management. Any large pines and oak will not be cut.										
28	M6	26		51	northern hardwood	unevenaged	final harvest	1		
comnts Fmd : Poor hardwood site does not warrant selection management. Any large pines and oak will not be cut.										
29	F5	3	45	48	spruce-fir (uplands- including upland black spruce)	mature	seed tree	1		
comnts Fmd : Maple coppice reproduction and seeding in will likely occur with any spruce-fir regeneration. Any large pines and oak will not be cut.										
33	F6	7	65	50	spruce-fir (uplands- including upland black spruce)	mature	seed tree	1		
Total Acres..... 101										

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 210 Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
11	M6	52		59	northern hardwood	unevenaged	selection	1		

TREATMENT LIMITING FACTORS: Land survey needed
Neighbor

12	B6	14	68	60	paper birch	mature	seed tree	1		
----	----	----	----	----	-------------	--------	-----------	---	--	--

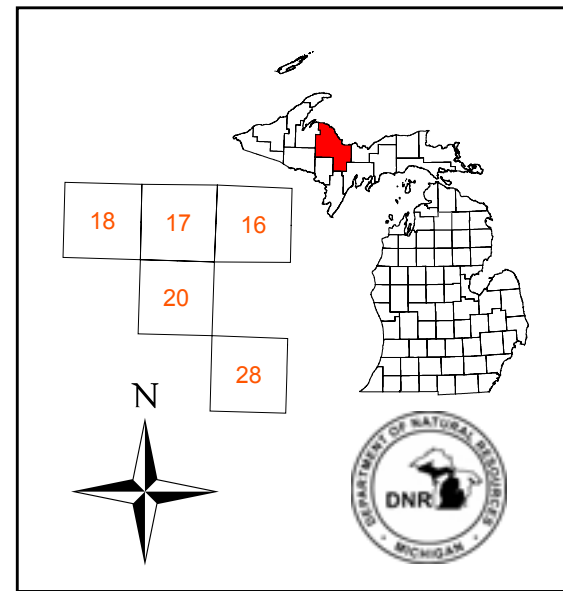
TREATMENT LIMITING FACTORS: Land survey needed
Neighbor

comnts Fmd : Maple and spruce-fir will seed in along with some birch. Aspen and maple coppice reproduction will also likely occur.

Total Acres..... 66

Field Map

Compartment 210
 T48N, R28W, Sec. 16, 18, 20 28
 County: Marquette
 Unit: Gwinn
 YOE: 2007
 Acres: 882 GIS Calculated
 Stand Examiner: Dean Wilson
 Map Revised: 9/19/2005
 Map Phase: Pre-review



Legend

- ✗ GPS Corners
- - - Poor dirt roads
- Stand Boundary
- ▨ Biodiversity/Old growth
- ▤ 100 - Final Harvest
- ▥ 200 - Seed Tree
- ▧ 800 - Selection
- Name Poor Dirt Roads
- Name Water Features

