



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 268 ENTRY YEAR: 2008

Compartment Acreage: 656 GIS acres County: 52

Revision Date: 07/24/2006

Stand Examiner: Warren J Heikkila

Legal Description: T45N, R27W, Sec. 19

Management Goals: For the 10 yr. period beginning in 2008, we will strive to perpetuate or increase the component of oak, birch, and dry, mesic conifers in a non-plantation setting, where they now occur.

Soils and topography: Ranging from a relatively small amount of level creek bottoms, to upland which is partly fairly level to only rolling or moderately hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership here is quite well blocked in with other State lands on the west & south, a large private hunting club on the north (Michigan Northwoods Club), and a mix of State & small private nonindustrial owners on the east. Development is very limited with a few seasonal cottages or hunting camps widely distributed. The now abandoned ELF submarine communication line crosses the compartment east-west. Production of forest products along with low key recreational activities such as hunting, fishing, berry picking, trapping, and snowmobiling make up the land uses here.

Unique, Natural Features (include only non-site specific and non-sensitive information): The rather large grass opening complex in the center of this compartment is perhaps the most unique natural feature here. It has the potential to harbor a more diverse collection of flora & fauna that are suited to an open grassland habitat.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

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

Watershed and Fisheries Considerations: Not applicable in this compartment.

Wildlife Habitat Considerations: Compartment: This compartment is primarily composed of xeric soils, large opening complexes, and outwash jack pine barrens. We should strive for the best possible age class distribution in pines and aspen and maintain the large opening complex for wildlife species.

Mineral Resource and Development Concerns and/or Restrictions:

Compartment 268 Section 19, T45N-R27W, Marquette County

Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as dimension stone. A gravel pit is located less than one mile to the south and potential should to be good. Abandoned iron mines are located eleven miles to the north. There were previous metallic leases in this area, but the State does not own any mineral rights. There is no economic oil and gas production in the UP.

Vehicle Access: County Road PW (Bryan Creek Road – gravel road) provides access from the north from CoRd 581. This connects to a Dept maintained good dirt road that connects to Kates Grade (another Co.Rd.) located to the southeast. Generally narrow, two track, dirt roads provide interior access within the compartment.

Survey Needs: No immediate survey needs for 2008.

Recreational Facilities and Opportunities: Only low key recreational opportunities for activities such as hunting, fishing, berry picking, trapping, snowmobiling, etc. exist in this compartment.

Fire Protection: This compartment is included within the “581 Zone Dispatch” area which provides for a pre-planned dispatch of specified fire equipment from within the Gwinn and Crystal Falls Mgt. Units, dependent upon the severity of forecast burning conditions for a specific day. Areas of jack/red pine cover types with the encroachment of recreational seasonal and/or residential dwellings have warranted this pre-planning. Mutual aide agreements with local volunteer fire departments also provide critical fire suppression response, especially in the area of structural fire and/or protection, and evacuations.

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**

09/18/2006 1:38:28 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **268**

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																All Aged	Total
	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		
Aspen		41				10	3											4	58
Grass	328																		328
Jack Pine		37	69	37	2	28	15	37		14								17	256
Marsh	3																		3
Red Pine					4														4
Upland Hdwds								4											4
Water	3																		3
Total	334	78	69	37	6	38	18	41		14								21	656

09/18/2006 1:38:31 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 268

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	58																										58
G Grass					328																						328
J Jack Pine							256																				256
N Marsh											3																3
R Red Pine																4											4
M Upland Hdwds																								4			4
Z Water																									3		3
Total	58				328		256				3					4								4	3	656	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **268**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	402 Cds	Hardwood	128 Cds
Softwood	2850 Cds	Softwood	1062 Cds
Sum TotVol	3252 Cds	Sum CutVol	1190 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
656		46	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 268 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
2	J6	15	61	64	jack pine	mature	final harvest	1	direct seeding	
<p>comnts Fmd : Somewhat unevenaged but I used the oldest age class for data on this stand. Even the younger trees are merchantable. Holli Forest Products, Inc. cut the private adjacent land in the Fall of 2005.</p> <p>Wld : Located in the NWNE of Sec 19, for the most part.</p>										
4	R6	3	32	60	red pine	immature	thinning	1		
<p>comnts Fmd : Private landowner to the north (Mr. Stahelin) planted this in trespass in 1974. Mark entire stand for thinning with consideration given for access by mechanized equipment. Presently an east-west single wire fenceline exists with DNR 1/4 corner in place, but verify accuracy of fence line when setting up sale.</p> <p>Wld : Located in the NWNE & NENW of Sec 19, north of trail road and adjacent to private land.</p>										
5	J6	21	64	64	jack pine	mature	final harvest	1	direct seeding	
<p>comnts Fmd : Several different age classes of jack pine present, but generally the younger pine is nearer to the large grass opening complex. I tried to include most of the older pine in this stand to cut in 2008.</p> <p>Wld : Located in the N1/2NW of Sec 19, mostly north of trail road.</p>										
6	A6	3	52	70	aspen (upland)	mature	final harvest	1		
<p>Wld : Located in the NWNW of Sec 19, mostly north of trail road.</p>										
7	R6	1	32	60	red pine	immature	thinning	2		
<p>comnts Fmd : See comments for stand 4 - same origin. But this patch seems to average smaller diameters. Thin in 2008 if feasible when adjacent timber is cut. Mark entire stand with thought given to mechanized harvesting. This was planted as a spill over from private land to the north and presently has a single wire fenceline east-west. Check accuracy of fence when setting up sale.</p> <p>Wld : Located in the NWNW of Sec 19, adjacent to Private.</p>										
12	J6	1	60	62	jack pine	mature	final harvest	1		
<p>comnts Fmd : A tiny island of pine in a large grass opening complex. Some mortality already. Cut with stand 2.</p> <p>Wld : Located in the SWNE of Sec 19.</p>										
34	J6	2	32	62	jack pine	immature	thinning	1		
<p>comnts Fmd : This is adjacent to and on the south side of the planted red pine, and this jack pine is also planted in rows in furrows, so I assume it was also planted in 1974 by Mr. Stahelin, landowner to the north at that time. Possibly row thin this stand in 2008 when adjacent timber is being cut.</p> <p>Wld : Located in the NWNW of Sec 19, north of trail road.</p>										
Total Acres.....		46								

**Proposed Treatments
With Limiting Factors**

Compartment: 268

Entry Year: 2008

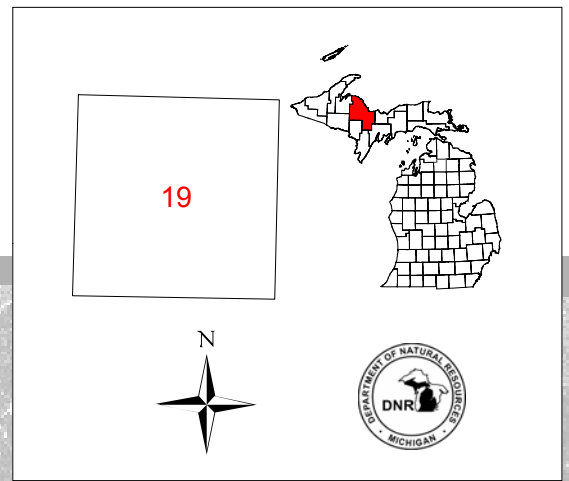
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	-----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 268
 T45N, R27W, Sec. 19
 County: Marquette
 Unit: Gwinn
 YOE: 2004
 Acres: 656 GIS Calculated
 Stand Examiner: Warren Heikkila
 Map Revised: 9/14/2006
 Map Phase: Pre-review



Legend

- RLS Corners
- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Stand Boundary
- Biodiversity/Old Growth Areas
- 100 - Final Harvest
- 135 - Final Harvest/Direct Seeding/Mechanical, other
- 400 - Thinning

