



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 75 ENTRY YEAR: 2008

Compartment Acreage: 1916 GIS acres. County: 52 Marquette

Revision Date: 8/24/2006

Stand Examiner: Kevin LaBumbard

Legal Description: T43N, R25W, Sections 10, 11, 12

Management Goals: : Improve the quality of the Northern Hardwoods stands through selective management while maintaining species diversity, (including the conifer content) and den trees for wildlife. Additional goals are to provide age-class distribution of Aspen by harvesting selected stands. Considerations for species diversity, coarse woody debris, and BMP's will be included with every harvest plan.

Soils and topography Terrain is relatively level to sloping with soils mostly well drained loams and associated organic soils, with a small amount of well drained loams and somewhat excessively drained sands. Major soil series include Onaway, Carbondale, Tacoosh, and Angelica with some Trenary, Kalkaska, Munising and Keweenaw.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment lies within a large block of state land with only a couple of private ownerships along the northern border.

Unique, Natural Features

Archeological, Historical, and Cultural Features

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

Watershed and Fisheries Considerations:

Escanaba River, Sawmill Creek

Wildlife Habitat Considerations:

Strive for the best possible age class distribution and species/structural diversity in aspen. Optimize diversity in the treated northern hardwoods stands. Maintain evergreen conifer thermal cover for yarding deer via special conservation area designation on stands 5 and 30. These stands are within the Mead Deer Yard.

Mineral Resource and Development Concerns and/or Restrictions: Sections 10 - 12, T43N-R25W, Marquette County. Surface sediments consist of an end moraine of medium-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried for stone in the UP and the PdC could be used for stone. There are no gravel pits located in this area, but there should be potential on the upland areas. Abandoned iron mines are located nine miles to the north. This area was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Vehicle access to the compartment is very good via two Dept. maintained roads: the Escanaba River Road and Little West Road. There are also a few 2 tracks which branch off from these main roads.

Survey Needs: none

Recreational Facilities and Opportunities: Compartment 75 provides for several recreational activities. This area is heavily hunted for ruffed grouse, woodcock and whitetail deer. Canoeing and fishing along the Escanaba is a popular activity, with additional fishing in Sawmill Creek. Camping along the river is also common, especially at the confluence of the Sawmill and Escanaba River.

Fire Protection: This compartment has a medium risk for wildfire.

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: 75

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																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		All Aged
Aspen		110	162		130	156	10	72	46										686
Black Spruce							11		18	37									66
Cedar										34	94	142	43						313
Grass	126																		126
LowInd Brush	74																		74
LowInd Poplr									30										30
Marsh	48																		48
Mx Swmp Cnfr									29	291									320
Spruce Fir						16													16
Upland Brush			10	12															22
Upland Hdwds								8										174	182
Water	33																		33
Total	281	110	172	12	130	172	21	80	123	362	94	142	43					174	1916

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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: 75

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	686																										686
S Black Spruce		66																									66
C Cedar				313																							313
G Grass					126																						126
L LowInd Brush									74																		74
P LowInd Poplr										30																	30
N Marsh											48																48
Q Mx Swmp Cnfr												320															320
F Spruce Fir																			16								16
U Upland Brush																							22				22
M Upland Hdwds																								182			182
Z Water																									33		33
Total	686	66		313	126				74	30	48	320							16				22	182	33		1916

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **75**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	9613 Cds	Hardwood	1594 Cds
Hardwood	92 Mbf	Softwood	339 Cds
Softwood	7908 Cds	Sum CutVol	1933 Cds
Softwood	423 Mbf		
Sum TotVol	18551 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1916		115	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 75

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
3	A6	45	47	62	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : This is almost a pure aspen stand with maybe 10 BA of fir, white spruce, red maple and cherry. Wld : Retain all elm, white birch, and cherry. Leave all white spruce 2-sticks in height and shorter.</p>										
14	M6	6		62	northern hardwood	unevenaged	selection	6		
<p>comnts Fmd : Fairly decent hardwoods growing on a small knob. This stand was scheduled, marked , and sold to Bruce Brown for cutting 10 years ago as part of a bigger sale. It was never cut and most of the marked trees still retain visable orange paint. The stand will have to be remarked in yellow. Two illegal blinds overlooking a bear baiting site are located on the north slope of the stand. Wld : Leave all white spruce. Enhance species diversity and size-class diversity in stand.</p>										
16	A6	16	66	62	aspen (upland)	immature	final harvest	2	natural regeneration	
<p>comnts Fmd : The aspen is quite large, 12" dbh plus, and in decline. The stand is converting to poor quality soft maple. Access will be from the north through stand 15. The U understory is a mix of willow, dogwood and hazel. Wld : Leave all cherry and elm. Retain all white spruce two-sticks in height and shorter.</p>										
17	A5	25	66	62	aspen (upland)	immature	final harvest	2	natural regeneration	
<p>comnts Fmd : U is a mix of willow, dogwood, and hazel. Occasional fir and spruce scattered throughout the stand. 99 is a mix of cherry and soft maple. Stand will hold 10 years easily if needed. Wld : Leave all cherry and elm. Retain all white spruce 2-sticks in height and shorter.</p>										
20	A6	17	60	52	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Stand has areas of blowdown and heavy beaver activity. The west portion is transitioning to low quality hardwoods. Wld : Leave all cherry and elm. Retain all white spruce 2-sticks in height and less.</p>										
44	M6	6		60	northern hardwood	unevenaged	selection	2	natural regeneration	
<p>comnts Fmd : Narrow hardwood finger with A6 to the west with a steep drop to a cedar stand east. Occasional yellow birch and scattered large den trees. The further north in the stand, the poor quality. Retain all yellow birch. Wld : Leave all white spruce.</p>										
Total Acres.....		115								

**Proposed Treatments
With Limiting Factors**

Compartment: 75

Entry Year: 2008

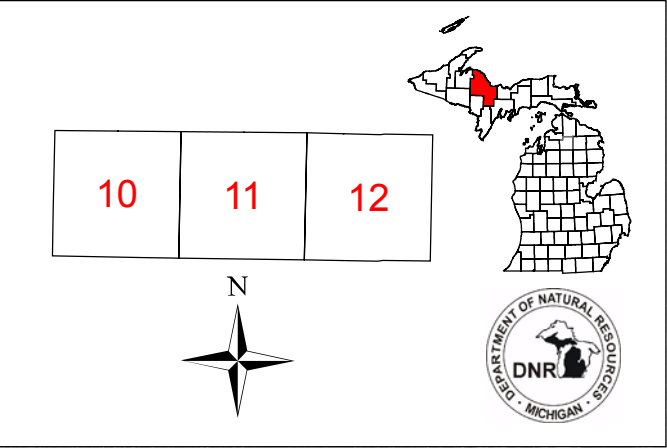
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 75
 T43N, R25W, Sec. 10, 11, 12
 County: Marquette
 Unit: Gwinn
 YOE: 2008
 Acres: 1,916 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 9/13/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- ▬ County Gravel Roads
- Gravel Roads
- - - Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 800 - Selection
- 848 - Selection/Natural Regeneration/Other

