



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 40 ENTRY YEAR:2009
Compartment GIS acres: 1068 County:Marquette**

Revision Date:8/8/2007

Stand Examiner: John Koski

Legal Description: T45N R26W, Sections 23,26,35

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, Carbondale Rifle- Spaulding Peat, Gogebic-Iron River, Saugatuck Sand and fine sand, Vilas Loam, Fine Sand and Sandy Loam.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private camps, one year around home at corner. Adjacent lands are similar with State ownership to the south, private ownership to the north.

Unique, Natural Features: Miller Creek, Haywire Lake, Miller Lake

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: : SCA-Potential Old Growth stands:15,18,27,29,37,38,47,50,51,55,56,57,61,62,63,64,66,67

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. In stands scheduled to treat this entry period, maintain conifer cover in transitional zones as well as wildlife movement corridors.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured till, peak and muck and minor glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 200 feet. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. These rocks could have potential as dimension stone. A gravel pit is located

in Section 24 and there should be potential on the uplands. Abandoned iron mines are located two miles to the east. Part of this Compartment was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Good to all parts of the compartment, via Haywire Lake Road, Shag Lakes Drive, and many private roads.

Survey Needs: None.

Recreational Facilities and Opportunities: Hunting, fishing, trapping, ORV, and snowmobile 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: 40

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		54	53	8					25										140
Black Spruce											154								154
Cedar												1							1
Grass	10																		10
Hemlock											8								8
LowInd Brush	135																		135
Marsh	14																		14
Mx Swmp Cnfr										32	4	280							316
Red Pine			4										2						6
Spruce Fir		6	39	2						2		13							62
Swamp Hrdwds											26								26
Treed Bog	22																		22
Upland Brush	2			1															3
Upland Hdwds																		135	135
Water	36																		36
Total	219	60	96	11					25	34	192	294	2					135	1068

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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: 40

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	140																										140
S Black Spruce		154																									154
C Cedar				1																							1
G Grass					10																						10
H Hemlock						8																					8
L Lowlnd Brush									135																		135
N Marsh											14																14
Q Mx Swmp Cnfr												316															316
R Red Pine																6											6
F Spruce Fir																			62								62
E Swamp Hrdwds																				26							26
D Treed Bog																						22					22
U Upland Brush																								3			3
M Upland Hdwds																								135			135
Z Water																									36		36
Total	140	154		1	10	8			135		14	316				6			62	26		22	3	135	36		1068

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **40**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3159 Cds	Hardwood	570 Cds
Hardwood	107 Mbf	Softwood	623 Cds
Softwood	6169 Cds	Sum CutVol	1193 Cds
Softwood	166 Mbf		
Sum TotVol	9874 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	58
1068			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 40

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
7	A6	12	75	46	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5F4B4, Cut now. Protect edge, keep red line on high ground, wildlife will help with line.											
Wld : Protect wetland edges. Cut no white pine or oak.											
14	A6	13	77	46	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5M4F4, CUT NOW, leave all white and red pine, cedar, hemlock, oak, and black cherry.											
Wld : Protect wetland edges. Cut no white pine or oak.											
60	M6	1		46	northern hardwood	unevenaged	selection	3			
comnts Fmd : M6F4M4, cut now with stand 26,											
Wld : Cut no white pine, hemlock, black cherry, or cedar.											
Total Acres.....		26									

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 40

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
10	F6	13	105	40	spruce-fir (uplands-including upland black spruce)	mature	final harvest	2		

TREATMENT LIMITING FACTORS: Land survey needed
Blocked by other physical obstacle

comnts Fmd : S5A4F4 NICE B.SPR POOR ASP., ACCESS THRU PVT., ACROSS WET AREA.

26	S6	14	90	32	black spruce-swamp	immature	seed tree	2		
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TREATMENT LIMITING FACTORS: Cedar or Hemlock cutting restraints

comnts Fmd : S6C4F4 . Stand could be cut, but, have to come thru private from the west. It is a winter cut , wet area. Leave the cedar and and some spruce for seed. Cut only part of stand, leave low areas, wildlife will put in the red line.

Wld : Wildlife movement corridor area. Protect lowland conifer strips of cover through uplands for wildlife. Wildlife Division will help paint boundaries for this sale. Cut no white pine or cedar.

46	M6	5		46	northern hardwood	unevenaged	selection	3		
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TREATMENT LIMITING FACTORS: Blocked by other physical obstacle
Adjacent landowner denies access

comnts Fmd : M6F4A4

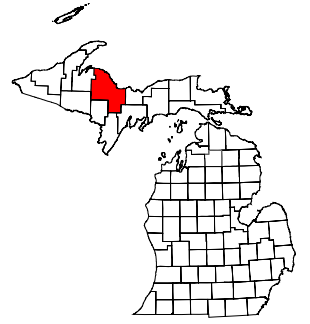
Wld : Small 5 acre pocket of upland hardwoods along transitional zone to lowland. Cut no white pine, hemlock, cedar, black cherry.

Total Acres..... 32

Compartment 40
 T45N, R26W, Sec. 23, 26, 35
 County: Marquette
 Unit: Gwinn
 YOE: 2009
 Acres: 1,068 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 10/12/2007
 Map Phase: Pre-review

Field Map

23
 26
 35



Legend

- Miris Corners
- Gravel, County
- Gravel,
- Poor Dirt,
- Powerlines
- Water Features
- Wooden Posts
- Iron Pipes
- Stand Boundary
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 200 - Seed Tree
- 800 - Selection

