



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 17 ENTRY YEAR:2009
Compartment GIS acres: 1161 County:Marquette**

Revision Date:8/8/2007

Stand Examiner: John Koski

Legal Description: T44N R24W, Sections 1,2,3

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, Greenwood and Houghton Peats, Carbondale Rifle- Spaulding Peat. Munuscong, Bergland and Ogemaw, Rolling upland, flat in the low lands

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: Stack Grade intersects compartment .
Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: :

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. Maintain 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 and/or under-planting of white pine and hemlock. 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 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 dolostone in the UP. There are not gravel pits in the area, but there maybe some potential on the

uplands. Abandoned iron mines are located six miles to the northwest. This State land has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Good via M-35, and Stack Grade

Survey Needs: None.

Recreational Facilities and Opportunities: Hunting, 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: 17

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		7	74	53	12														146
Black Spruce										3									3
Cedar												95							95
Grass	1																		1
Hemlock																		28	28
LowInd Brush	62																		62
Mx Swmp Cnfr							16		60	203		164							443
Non Stocked	4																		4
Paper Birch							4												4
Spruce Fir				4						2								29	35
Swamp Hrdwds									10	10	26								46
Treed Bog	57																		57
Upland Hdwds										1								236	237
Total	124	7	74	57	12		20		70	219	26	259						293	1161

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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: 17

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	146																										146
S Black Spruce		3																									3
C Cedar				95																							95
G Grass					1																						1
H Hemlock						28																					28
L Lowlnd Brush									62																		62
Q Mx Swmp Cnfr												443															443
X Non Stocked													4														4
B Paper Birch															4												4
F Spruce Fir																			35								35
E Swamp Hrdwds																				46							46
D Treed Bog																						57					57
M Upland Hdwds																								237			237
Total	146	3		95	1	28			62			443	4		4				35	46		57		237			1161

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 17

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6059 Cds	Hardwood	1053 Cds
Hardwood	326 Mbf	Hardwood	22 Mbf
Softwood	4731 Cds	Softwood	294 Cds
Softwood	137 Mbf	Sum CutVol	1391 Cds
Sum TotVol	11716 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1161		85	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 17

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
4	M6	11		65	northern hardwood	unevenaged	selection	2		
comnts Fmd : Cut this treatment period.										
Wld : Cut no white pine, hemlock or cedar.										
7	M6	5		68	northern hardwood	unevenaged	selection	2		
comnts Fmd : M4F4, DEAD F, VISIBLE FROM M-35, PRIVATE BUFFER IN BETWEEN										
Wld : Cut no hemlock, white pine or cedar.										
23	M6	11		55	northern hardwood	unevenaged	selection	2		
comnts Fmd : POOR QUALITY, NO FDF.										
Wld : Leave snags, old growth legacy trees, and trees with cavities. Cut no hemlock, white pine, or cedar.										
25	F6	17		55	spruce-fir (uplands- including upland black spruce)	unevenaged	final harvest	2		
comnts Fmd : F5M4, some aspen and fir dead, Put redline on high ground, Wildlife will help put in the line.. Reserve Q types.										
26	M6	7		55	northern hardwood	unevenaged	selection	2		
comnts Fmd : M6F4, Lot of red maple.										
Wld : Cut no white pine, hemlock, or cedar. Underplant with hemlock after sale to increase biodiversity, structure, and conifer component.										
35	M6	6		68	northern hardwood	unevenaged	shelterwood-seed	2		
comnts Fmd : M6M7, cut this t.p. try to enhance conifer retention. Stick to high ground, Wildlife will help with the red line.										
Wld : Cut no hemlock, white pine, or cedar. Thin a little harder for underplanting of hemlock and/or white pine once sale is completed to increase biodiversity.										
44	M6	8		55	northern hardwood	unevenaged	selection	2		
comnts Fmd : M6M7, cut this t.p.										
Wld : Cut no white pine, hemlock, or cedar. Underplant hemlock and/or white pine once sale is completed to increase biodiversity.										
45	M6	4		55	northern hardwood	unevenaged	selection	2		
comnts Fmd : M6M7, cut this t.p.										
Wld : Cut no hemlock, white pine, cedar, or black cherry.										
58	F5	2		55	spruce-fir (uplands- including upland black spruce)	unevenaged	final harvest	2		
comnts Fmd : Cut this t.p. Some dead fir. Put red line on high ground, wildlife will help put line in.										
Wld : Cut no cedar, hemlock, white pine. Keep treatment boundaries out of lowland areas and protect wetland edges for wildlife movement corridors.										
59	F6	5		55	spruce-fir (uplands- including upland black spruce)	unevenaged	final harvest	2		
comnts Fmd : Cut this t.p., some dead fir. Put red line on high ground, wildlife will help put line in.										
Wld : Cut no cedar, hemlock, or white pine. Keep treatment boundaries out of lowland areas and protect wetland edges for wildlife movement corridors.										
Total Acres.....		76								

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
30	M6	9		46	northern hardwood	unevenaged	selection	2		

TREATMENT LIMITING FACTORS: Blocked by other physical obstacle
Adjacent landowner denies access

comnts Fmd : M4M7, Prescribe this t.p., may have access problem-private property and, Wet access to get to stand. C/S ALONG EDGE, FIR DEAD/DOWN,

Total Acres..... 9

Compartment 17
 T44N, R24W, Sec. 1, 2, 3
 County: Marquette
 Unit: Gwinn
 YOE: 2009
 Acres: 1,161 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 10/12/2007
 Map Phase: Pre-review

Field Map

- Legend**
- Miris Corners
 - Highway
 - Gravel
 - Poor Dirt
 - Wooden Posts
 - Stand Boundary
 - 100 - Final Harvest
 - 300 - Shelterwood - seed
 - 800 - Selection

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02

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