



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 13 ENTRY YEAR:2009
Compartment GIS acres: 1365 County:Marquette

Revision Date:8/8/2007

Stand Examiner: John Koski

Legal Description: T44N R23W, Sections 20,29,32

Management Goals: Strive to perpetuate the component of aspen, mixed conifer swamp types, and dry mesic conifers where they now occur.

Soils and topography: Bergland-Ogemaw Association, Carbondale muck and Rifle- peat. mostly flat terrain

Ownership Patterns, Development, and Land Use in and Around the Compartment: Area to the east mostly state owned, west and north mixed state and private, south is Delta county

Unique, Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: SCA , potential old growth stands:7,8,9,11,35,51,67,75,47,51,44,32,34,.

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 and/or under-planting efforts where feasible. Maintain thermal cover qualities in lowland conifer types.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group subgroups below the glacial drift. This formation is quarried in the UP for dolostone. A gravel pit is located in section 20 and potential appears to be good on uplands. Abandoned iron mines are located nine miles to the northwest. This compartment has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Good to Sec. 20 via CR 444, fair to Sec 29,32 via two track roads.

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: 13

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	142					4	18										171
Bog or Marsh	16																		16
Cedar									96		98		161						355
Grass	1																		1
Lowlnd Brush	14																		14
Lowlnd Poplr		11		1															12
Marsh	23																		23
Mx Swmp Cnfr									23		59	35		87					204
Spruce Fir			5																5
Swamp Hrdwds										37	22	71							130
Upland Brush			1																1
Upland Hdwds						19			3									403	425
Water	8																		8
Total	62	18	148	1		19		4	140	37	179	106	161	87				403	1365

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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: 13

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	171																										171
V Bog or Marsh			16																								16
C Cedar				355																							355
G Grass					1																						1
L Lowlnd Brush									14																		14
P Lowlnd Poplr										12																	12
N Marsh											23																23
Q Mx Swmp Cnfr												204															204
F Spruce Fir																			5								5
E Swamp Hrdwds																				130							130
U Upland Brush																								1			1
M Upland Hdwds																								425			425
Z Water																									8		8
Total	171		16	355	1				14	12	23	204							5	130			1	425	8		1365

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **13**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10290 Cds	Hardwood	1012 Cds
Hardwood	230 Mbf	Hardwood	15 Mbf
Softwood	9174 Cds	Softwood	21 Cds
Sum TotVol	19924 Cds	Sum CutVol	1063 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	110
1365			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 13

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
12	M6	3		64	northern hardwood	unevenaged	selection	2		
comnts Fmd : THINNED 1973 PERMIT 27-70,,AND 1990										
Wld : Cut no hemlock, white pine, or cedar to maintain conifer component within stand for shelter, cover, structural diversity, and seed source for wildlife. Also as part of retention, cut no black cherry to maintain soft mast products for wildlife.										
18	M6	44		56	northern hardwood	unevenaged	selection	2		
comnts Fmd : M6M7F4, CUT THIS TP, Save all hemlock, white pine, cedar, or black cherry.										
Wld : Cut no hemlock, white pine, or cedar to maintain conifer component within stand for shelter, cover, structural diversity, and seed source for wildlife. Also as part of retention, cut no black cherry to maintain soft mast products for wildlife. Maintain and protect two of the small patches of hemlock that occur within this stand by identifying them with some distinguishing marking to protect against entry with logging equipment. Wildlife staff will help identify hemlock inclusions that should be protected.										
31	A6	4	65	80	aspen (upland)	mature	final harvest	2		
comnts Fmd : A5F4M4 CUT NOW , ACCESS FROM WEST										
58	M6	16		56	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment
comnts Fmd : M6M7, Cut this TP, Cut no hemlock,cedar, white pine, black cherry, Thin stand to 60 BA, then underplant hemlock and white pine.										
Wld : Cut no hemlock, white pine, or cedar to maintain conifer component within stand for shelter, cover, structural diversity, and seed source for wildlife. Also as part of retention, cut no black cherry to maintain soft mast products for wildlife. Once logging is completed WLD will underplant this stand with hemlock and/or white pine to bolster the conifer component to increase future cover and diversity for the benefit of wildlife.										
59	M6	43		56	northern hardwood	unevenaged	selection	2		
comnts Fmd : M5A4F4, Cut this TP,Cut no hemlock, cedar, white pine, black cherry, thin to 60 BA, then underplant hemlock and white pine.										
Wld : Cut no hemlock, white pine, or cedar to maintain conifer componenet within stand for shelter, cover, structural diversity, and seed source for wildlife. Also as part of retention, cut no black cherry to maintain soft mast products for wildlife. Once logging is completed, WLD will underplant this stand with hemlock and/or white pine to bolster the conifer component in order to increase future cover and diversity.										
Total Acres.....		110								

**Proposed Treatments
With Limiting Factors**

Compartment: 13

Entry Year: 2009

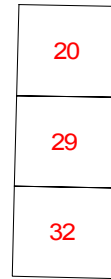
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

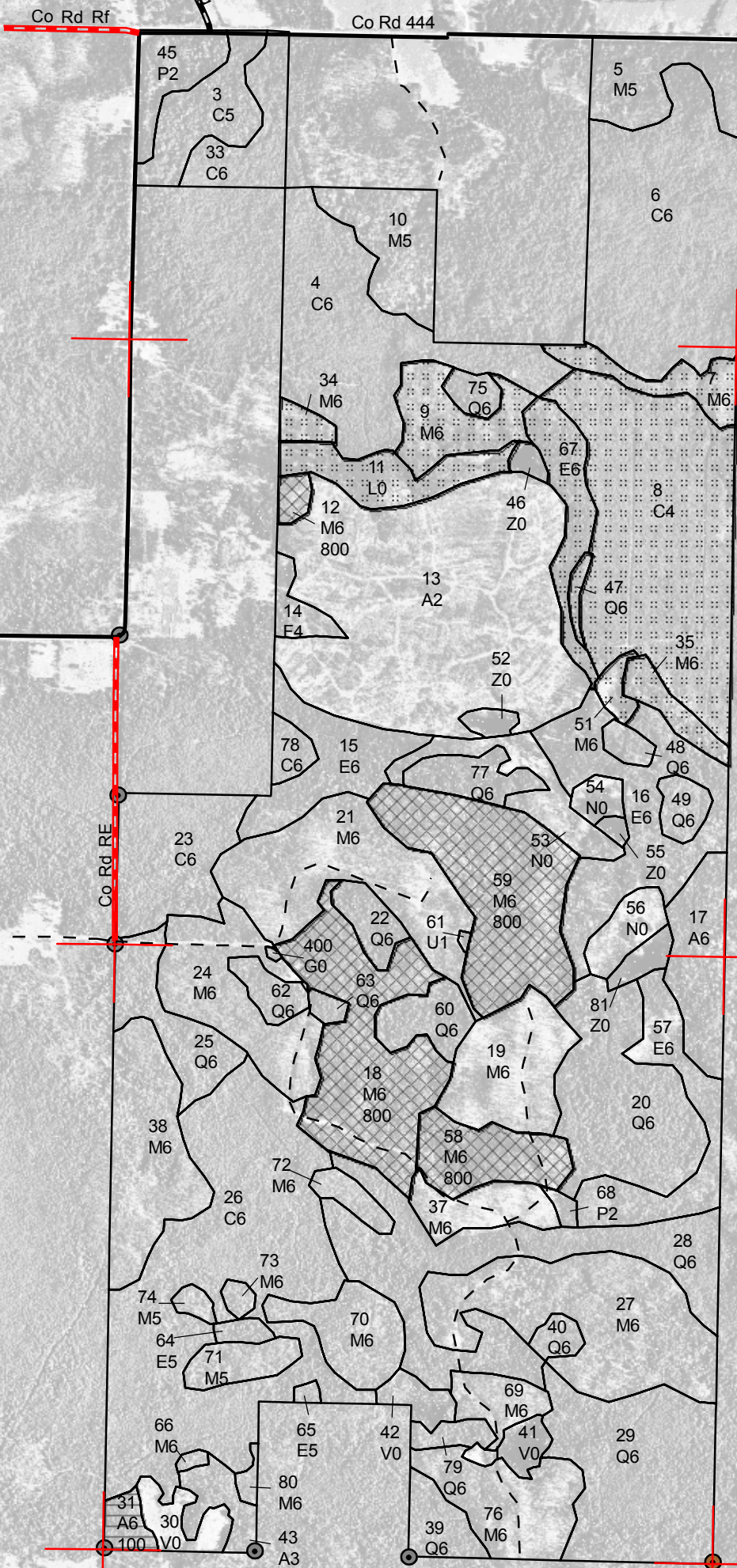
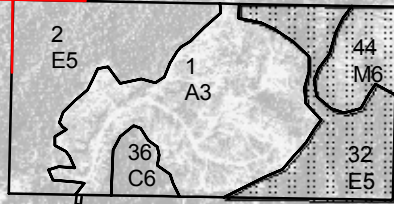
Compartment 13
 T44N, R23W, Sec. 20, 29, 32
 County: Marquette
 Unit: Gwinn
 YOE: 2009
 Acres: 1,365 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 6/05/2007
 Map Phase: Pre-review

Field Map



Legend

- Miris Corners
- Highway, Gravel, County
- Gravel, Paved, Poor Dirt
- State Highway
- Iron Posts
- Wooden Posts
- Stand Boundary
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 800 - Selection



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