



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #74 ENTRY YEAR: 2009
Compartment Acreage: 1918 GIS acres County: Marquette

Revision Date: 08/08/2007

Stand Examiner: Jerry Mohlman

Legal Description: T43N R25W Sections 13,14,15

Management Goals: For the 10 year entry period, we will harvest two aspen stands to regenerate aspen. Retention in these stands will consist of white pine, cedar, hemlock, and groups of hardwood along travel corridors. We will leave an uncut buffer around existing openings to discourage aspen encroachment into the openings. We are planning to have a selection harvest in one hardwood stand. We will retain representatives of all tree species in this stand as well as all size classes. We will retain den trees and other trees important to wildlife. Emphasis will be on improving tree and stand timber quality.

Soils and topography: Saynor-Rubicon complex, Onaway fine sandy loam, Emmet-Solona fine sandy loam, Emmet-Escanaba, Farquar gravelly sandy loam, Evert-Pelkie-Sturgeon, Nadeau-Mancelona, Paquin-Finch sands, Carbondale and Tawas, Ensley-Solona, Kalkaska sand. Flat to gently rolling with some steep stream banks. Medium quality hardwood soils to poorly drained wetlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly state owned in surrounding area.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: Some old logging camp sites.

Special Management Designations or Considerations: Biodiversity maintenance stands located along riparian zones associated with Escanaba River and tributaries. Stands 9, 10, 13, 16, 21, 25, 27, 29, 30, 40, 42, 43, 48, 52, 55, 58, 414

Watershed and Fisheries Considerations: Escanaba River, Little West Branch.

Wildlife Habitat Considerations: For all biodiversity maintenance stands: maintain as movement corridors for small mammals, amphibians, and birds. Promote biological legacies such as snags, down woody debris, and intact nutrient cycles. In section 13: Deeryard. Maintain thermal cover in addition to above.

Mineral Resource and Development Concerns and/or Restrictions: Compartment 74 Sections 13 - 15, T43N-R25W, Marquette County

Surface sediments consist of an end moraine of medium-textured till, peat and muck and medium-textured till. 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 could 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: Good in most areas but south half of section 15 will need an upgraded culvert or bridge for next entry period.

Survey Needs: None.

Recreational Facilities and Opportunities: Snowmobile trail, general forest recreation such as hunting and fishing.

Fire Protection: Fire frequency and severity is low in this compartment due to mostly hardwood or swamp soils.

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: 74

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		88		235	42		219	68											652
Black Spruce							3	16											19
Cedar									61			58	257	53					429
Grass	157																		157
Lowlnd Brush	34											81							115
Mx Swmp Cnfr									119	20		41							180
Spruce Fir				36	20	9	5	100											170
Upland Hdwds					33													135	168
Water	28																		28
Total	219	88		271	95	9	227	184	180	20		180	257	53				135	1918

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

ESCANABA RIVER STATE FOREST

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MARQUETTE COUNTY

COMPARTMENT: 74

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	652																										652
S Black Spruce		19																									19
C Cedar				429																							429
G Grass					157																						157
L Lowlnd Brush									115																		115
Q Mx Swmp Cnfr												180															180
F Spruce Fir																			170								170
M Upland Hdwds																								168			168
Z Water																									28		28
Total	652	19		429	157				115			180							170					168	28		1918

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **74**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8690 Cds	Hardwood	2251 Cds
Hardwood	323 Mbf	Hardwood	22 Mbf
Softwood	7256 Cds	Softwood	291 Cds
Softwood	77 Mbf	Sum CutVol	2586 Cds
Sum TotVol	16746 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	183
1918			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 74

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
12	A6	94	48	52	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : A6 just coming into maturity. Vigorous 5-stick aspen with little mortality. Areas of M6 red maple north plus other areas of spruce/fir 3-4 stick. Beaver active along creek converting stand to spruce/fir. Could cut this entry period or leave for 10 years. Recommend leaving some patches/single hardwoods where they occur Northwest. Probably should cut this entry period since a large area of aspen will be ready south in 10 years. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.</p> <p>Wld : Retention should be focused around the existing openings in an attempt to keep them from filling in with encroaching aspen. We recommend an uncut buffer around each one.</p>										
32	M6	62		80	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment
<p>comnts Fmd : Remove most aspen and bring BA down to about 80. Understory hardwood is small 1-3 stick. Larger scattered sawlog size hardwoods. Good stocking of 2 inch sugar maple saplings. Good hardwood soil. Objective is to manage hardwood to improve timber quality while retaining wildlife trees. Would be a light selection harvest along with removal of aspen. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.</p> <p>Wld : DEERYARD! Retention should focus on conifer. No hemlock or cedar should be cut.</p>										
35	A6	24	58	80	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Aspen converting to hardwood. Good hardwood site with some well-stocked hardwood islands to leave or combine with adjacent hardwood stands. More pure aspen in center of stand. Some nice large hardwood log trees to mark for retention during aspen harvest. Aspen is large and overmature so recommend harvesting this entry period and managing for aspen in those areas with few hardwoods. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.</p> <p>Wld : Retention should focus on conifer and leaving a buffer around stand 423 to limit encroaching aspen.</p>										
56	A6	3	57	60	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Aspen mature scattered over M6 poor timber quality. Some mortality in Aspen occurring. Recommend cutting this entry and retaining small amount of W. pine regeneration and any larger w. pine in stand. Some fir areas south part due to past beaver activity. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.</p> <p>Wld : Retention should focus on conifer, particularly White Pine. No cedar should be cut.</p>										
407	G0	1		68	grass	nonstocked		0	opening maintenance	
424	G0	1		50	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : canoe landing/access site</p>										
Total Acres.....		185								

**Proposed Treatments
With Limiting Factors**

Compartment: 74

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:

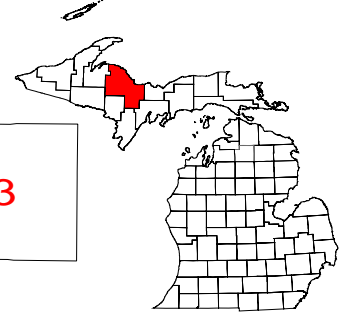
Total Acres..... 0

Field Map

Compartment 74
 T43N, R25W, Sec. 13, 14, 15
 County: Marquette
 Unit: Gwinn
 YOE: 2009
 Acres: 1,918 GIS Calculated
 Stand Examiner: Gerald Mohlman
 Map Revised: 9/11/2007
 Map Phase: Pre-review

Legend

- Miris Corners
- Water Features
- Paved
- - -** Poor Dirt
- ⋯** Trails
-  Snowmobile Trails
-  Stand Boundary
-  Biodiversity/Old Growth Area
-  026 - Opening Maintenance
-  100 - Final Harvest
-  800 - Selection



15

14

13

N

