



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 92 ENTRY YEAR: 2007

Compartment GIS acres: 2394 County: 2 Alger

Revision Date: 9/1/2005

Stand Examiner: Kevin LaBumbard

Legal Description: T44N, R22W, Sections 20,28,29,32,33

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 are included with every harvest system used.

Soils and topography Terrain is mostly level to slightly rolling. Soils range from organic swamps and poorly drained loamy soils to well drained loams. Major soil series include Kalkaska, Munising, Keweenaw.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This is a large compartment with only a few private 40 acre holdings.

Unique, Natural Features

Archeological, Historical, and Cultural Features

This compartment contains evidence of several turn of the century logging railroad spurs and camps.

Special Management Designations or Considerations:

Potential old growth stands: 3,4,20,33,35,45,47,52,74,91

Watershed and Fisheries Considerations:

Two branches of Deer Creek .

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of thin to discontinuous end moraine of coarse-textured till over bedrock. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone Group subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located one mile to the southwest, and potential appears to be limited. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Vehicle access to the compartment is poor due to the wet soils. Most management activities will be limited to the winter months.

Survey Needs: none

Recreational Facilities and Opportunities: Recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting.

Fire Protection: This compartment has a very low 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 potential old growth**

09/19/2005 2:24:15 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: 92

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		184	30		16				31	157									418
Black Spruce									12										12
Cedar											65	13				66	7		151
Grass	15																		15
LowInd Brush	20																		20
LowInd Poplr		28							43	5									76
Marsh	3									20								36	59
Mx Swmp Cnfr										53	67	595							715
Spruce Fir						4			5										9
Swamp Hrdwds								268		34								107	409
Upland Hdwds																		507	507
Water	3																		3
Total	41	212	30		16	4		268	91	269	132	608				66	7	650	2394

09/19/2005 2:24:22 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: 92

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	418																										418
S Black Spruce		12																									12
C Cedar				151																							151
G Grass					15																						15
L LowInd Brush									20																		20
P LowInd Poplr										76																	76
N Marsh											59																59
Q Mx Swmp Cnfr												715															715
F Spruce Fir																			9								9
E Swamp Hrdwds																				409							409
M Upland Hdwds																								507			507
Z Water																									3		3
Total	418	12		151	15				20	76	59	715							9	409				507	3	2394	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: **92**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

TOTAL VOLUME		CUT VOLUME	
Hardwood	17889 Cds	Hardwood	3938 Cds
Hardwood	492 Mbf	Hardwood	58 Mbf
Softwood	12855 Cds	Softwood	1445 Cds
Softwood	68 Mbf	Sum CutVol	5499 Cds
Sum TotVol	31864 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
2394		352	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 92

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
21	A6	31	74	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5F4. The stand is variable from higher ridges to low, wetter ground. There are several of the old, narrow gauge railroad beds that converge near the SE portion of the stand, specifically around stand 405.											
23	P6	7	75	60	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	2			
comnts Fmd : P5A4F4 Bigger Balm and Aspen.											
28	A6	41	79	66	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5F4M4											
29	A6	68	83	58	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5F5M4 Mixed hardwoods are a blend of soft maple, w. birch, sugar maple, and cherry. There are several small pockets of Black Spruce contained within this stand which will not be treated. Several miles of line work would be required to establish ownership boundaries.											
31	F6	5	75	52	spruce-fir (uplands-including upland black spruce)	mature	shelterwood-seed	2			
comnts Fmd : Nice aspen and fir along a small ridge. Aspen is quite large, most over 16" DBH. Shelterwood the stand leaving approximately 50 BA of white spruce, big fir, and aspen, marking those trees to be left with green paint. Aspen is an acceptable regeneration alternative.											
37	M6	29		55	northern hardwood	unevenaged	selection	2			
comnts Fmd : Mostly good quality sugar maple stand with a fringe of fir. Occassional basswood, cherry, and aspen.											
49	A6	22	83	52	aspen (upland)	mature	final harvest	2			
comnts Fmd : Fairly nice aspen and fir, ready to harvest.											
51	M6	2		49	northern hardwood	immature	selection	2			
comnts Fmd : Poor quality red maple stand with M2/F2 understory.											
56	M6	22		51	northern hardwood	unevenaged	selection	2			
comnts Fmd : Last harvest was in 1991. While still thin in places, there is very good regen from the canopy gaps of the previous sale. A few huge old yellow birch scattered throughout the stand. The water table is higher than stand 71 directly to the north with resulting lower productivity. Although the BA is on the low end, the quality of this stand can be improved with a light thinning and will be scheduled with stand 71.											
67	M6	5		64	northern hardwood	unevenaged	selection	2			
comnts Fmd : Fair quality sugar maple pole stand with occasional cherry, soft maple and white spruce.. Access will be a little tricky due to swale.											
70	A6	26	83	56	aspen (upland)	mature	final harvest	2			
comnts Fmd : A5M4F4 Decent aspen stand along Deadhorse Road. Retain buffer around stand 408.											
71	M6	91		64	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment	
comnts Fmd : FDF, WAS CUT IN 1991, #25-088-2. Good quality hard maple pole stand transitioning toward M9. There is a basswood component to the stand but only in the sawtimber size-class. Summer/fall access into the stand is excellent via high quality gated woods road.											
73	M6	3		64	northern hardwood	unevenaged	selection	2			
comnts Fmd : Fair quality sugar maple pole stand with occasional cherry, soft maple and white spruce. Cut with stand 78 in compartment 93.											
Total Acres.....		352									

**Proposed Treatments
With Limiting Factors**

Compartment: 92

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

