



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 51 ENTRY YEAR: 2008

Compartment Acreage: 1906 GIS acres County: 52 Marquette

Revision Date: 8/24/2006

Stand Examiner: Kevin LaBumbard

Legal Description: T44N, R26W, Sections 22, 23, 24

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 will be included with every harvest plan.

Soils and topography Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the northeast portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paquin-Finch sand, and Rubicon sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment lies within a large block of state land and contains no private ownership.

Unique, Natural Features

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations: Special Conservation Areas (formally know as Old Growth stands) are shown on the attached map.

Watershed and Fisheries Considerations:

Chandler Brook

Wildlife Habitat Considerations:

Optimize species and vertical structural diversity and complexity in treated northern hardwoods stands. Enhance horizontal structural heterogeneity and complexity by maintaining a wide range of basal areas in the array of northern hardwoods stands. Underplant hemlock and/or white pine in northern hardwood stands 23 and 25 upon sale completion. Strive for the best possible age class distribution in aspen. Maintain the hunter walking trail and associated openings in stand 37.

Mineral Resource and Development Concerns and/or Restrictions: Sections 22 - 24, T44N-R26W, Marquette County. Surface sediments consist of medium-textured till. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau Formation subcrops below the glacial drift. The Trempealeau could be used for stone. Gravel pits are located in Section 27, and potential is good on the drumlins. Abandoned iron mines are located six miles to the northeast. This area has not been previously leased. There is no economic oil and gas production in the UP.

Vehicle Access: Vehicle access to the compartment is excellent via county road 438, Perrin Bros. road, and numerous 2-tracks.

Survey Needs: none

Recreational Facilities and Opportunities: Compartment 51 is influenced by and provides for several recreational activities. This area is heavily hunted for ruffed grouse and whitetail deer. There is a hunter walking trail in stands 37 and 41. Chandler Brook is a high quality brook trout stream, and Perrin Bros road serves as a State designated snowmobile trail in the winter. Mushroom hunting is also popular in this compartment.

Fire Protection: This compartment has a 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 special conservation areas**

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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: 51

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		61	167		248	39	28		126									14	683
Cedar										81	34				11	33	77		236
Grass	38																		38
Local Name	6																		6
LowInd Brush	127																		127
LowInd Poplr		8								16	10								34
Mx Swmp Cnfr		7									107		132		57			2	305
Paper Birch																		48	48
Spruce Fir		7	7	7		3												13	37
Swamp Hrdwds																		2	2
Treed Bog	35																		35
Upland Brush	3																		3
Upland Hdwds																		276	276
Water	37																		37
White Pine										39									39
Total	246	83	174	7	248	42	28		126	136	151		132		68	33	77	355	1906

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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: 51

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	683																										683
C Cedar				236																							236
G Grass					38																						38
I Local Name								6																			6
L LowInd Brush									127																		127
P LowInd Poplr										34																	34
Q Mx Swmp Cnfr												305															305
B Paper Birch																				48							48
F Spruce Fir																				37							37
E Swamp Hrdwds																					2						2
D Treed Bog																							35				35
U Upland Brush																								3			3
M Upland Hdwds																								276			276
Z Water																									37		37
W White Pine																										39	39
Total	683			236	38			6	127	34		305							85	2		35	3	276	37	39	1906

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 51

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13707 Cds	Hardwood	3434 Cds
Hardwood	244 Mbf	Hardwood	6 Mbf
Softwood	8969 Cds	Softwood	899 Cds
Softwood	98 Mbf	Sum CutVol	4345 Cds
Sum TotVol	23360 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	195
1906			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 51

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
23	M6	6		60	northern hardwood	immature	selection	2	planting	
<p>comnts Fmd : Good quality hardwoods growing on ridge which falls away to the north down to a Q stand. High site quality. There is a fair amount of large woody debris on the ground from a windthrow event. Scattered throughout the stand a are large 20"+ dbh sugar maple with large yellow birch along the north edge. All yellow birch in this stand will be retained along with most of the larger sugar maple. Cut adjacent stand from compartment 52 at the same time.</p> <p>Wld : Retain all cedar, white pine, hemlock, and white spruce component. Strive to maximize species diversity in overstory/understory and vertical structural complexity. Underplant hemlock and/or white pine upon sale completion.</p>										
25	M6	15		58	northern hardwood	two aged	selection	1	planting	
<p>comnts Fmd : Poor quality hardwood, lots of clumps, twins and triples. The stand is quite variable, the aspen component runs throughout the stand with average dbh over 12". There are pockets of fir poles and much of the hardwood is 2 aged with big remnant hardwoods over smaller poles. Retain the fir pockets.</p> <p>Wld : Retain all hemlock, white pine, cedar, and white spruce. Maintain and enhance diversity of species in the overstory. Leave some scattered overstory aspen. Underplant hemlock and/or white pine upon sale completion.</p>										
28	A6	126	72	60	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration.</p> <p>Wld : Retain all cedar, hemlock, white pine, red pine, and oak.</p>										
37	A6	59	33	60	aspen (upland)	immature		0	opening maintenance	
<p>comnts Fmd : Nice aspen with BA running from 70-130, average of 80. 3-4 sticks tall. Stand shares a hunter walking trail with stand 41 which is need of maintainance.</p> <p>Wld : Maintain hunter walking trail and associated forest openings.</p>										
41	A3	56	13	60	aspen (upland)	immature		0	opening maintenance	
<p>comnts Fmd : Cut under permit # 38-88-1, aspen has regenerated nicely and is 15-25' tall. Stand shares a hunter walker trail with stand 37 which is in need of maintainance.</p>										
59	B6	48		65	spruce-fir (uplands- including upland black spruce)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Stand is composed of white birch, upland black spruce, fir, poor quality soft maple and a few aspen. A lot of fir is dead and down. Most of the regeneration is black spruce and fir. Remove overstory. The stand should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both acceptable regeneration alternatives.</p> <p>Wld : Leave scattered birch seed trees representing full diameter distribution found on site.. Leave all pine, oak, and hemlock.</p>										
409	G0	1		65	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Grass opening along hunter walking trail.</p> <p>Wld : Flat/smooth site. Sparse grass and moss. Droughty, poor soil. 20% of site covered with moderate quality grass. Legumes very infrequent.</p>										
410	G0	5		65	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Grass opening along hunter walking trail.</p> <p>Wld : Gentle slopes with smooth surface. Lush grass and legumes. Bam, aspen, and cherry filling in along edges - 2'-6' tall. Nice opening.</p>										
411	G0	1		65	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Grass opening along hunter walking trail.</p> <p>Wld : Site is level and smooth. Lush grass/forbs/legumes. Bam intruding - some up to 8 feet tall.</p>										
Total Acres.....		317								

**Proposed Treatments
With Limiting Factors**

Compartment:051

Entry Year: 2008

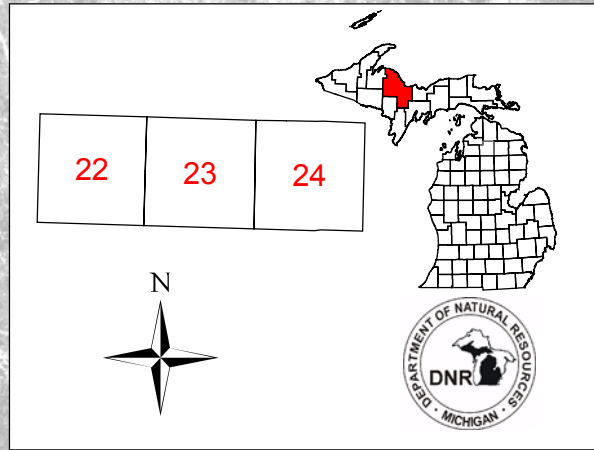
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 51
 T44N, R26W, Sec. 22, 23, 24
 County: Marquette
 Unit: Gwinn
 YOE: 2008
 Acres: 1,906 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 9/12/2006
 Map Phase: Pre-review

Field Map



Legend

- Miris Corners
- County Paved Roads
- - - County Gravel Roads
- - - Poor Dirt Roads
- Trails
- Water Features
- Hiking Trails
- Stand Boundary
- Biodiversity/Old Growth Area
- 026 - Opening Maintenance
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 811 - Selection/Planting/Hand Tools

