



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 52 ENTRY YEAR: 2009

Compartment Acreage: 1928 GIS acres: 1928 County: 52 Marquette

Revision Date: 9/06/2007

Stand Examiner: Kevin LaBumbard

Legal Description: T44N, R26W, Sections 25,26,27

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, retention, coarse woody debris, and BMP's will be included with every harvest plan. In addition, the large wetland complexes in this compartment will remain as is to provide the many wildlife, riparian and vegetative values contained within.

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 southwest 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 in the center of a large block of land entirely owned by the State of Michigan. There are no private ownerships adjacent to this compartment.

Unique, Natural Features

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations:

Special Conservation Area Stands: 3,4,6,9,10,47,50,53,54,57,58,59,60,72,73

Watershed and Fisheries Considerations:

The Little West Branch of the Escanaba River, Chandler Brook.

Wildlife Habitat Considerations: 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. Strive for best possible age class distribution in aspen stands. Maintain or increase biodiversity in northern hardwood stands through retention of associate species and/or under-planting efforts where feasible. Improve hunter walking trail and maintain wildlife openings.

Mineral Resource and Development Concerns and/or Restrictions: Sections 25 - 27, 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, Ross Grade and several "2 tracks".

Survey Needs: none

Recreational Facilities and Opportunities: Recreational activity for this area is primarily for upland hunting of ruffed grouse, woodcock and whitetail deer. There is a State maintained hunter walking trail in the south central portion of the compartment that is scheduled for mowing. Fishing is also fairly popular along the Little West Branch of Escanaba River and Chandler Brook.

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 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: 52

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		74	200			211	22		23	31	22								583
Bog or Marsh	3																		3
Cedar										48	11			36	57	129	277		558
Grass	77																		77
Hemlock																		10	10
LowInd Brush	92																		92
LowInd Poplr											15								15
Marsh	11																		11
Mx Swmp Cnfr										6		13	93	77		12			201
Non Stocked	12																		12
Paper Birch						10													10
Spruce Fir			40	7															47
Upland Hdwds				18		9			2	3	16							252	300
Water	9																		9
Total	204	74	240	25		230	22		25	88	64	13	93	113	57	141	277	262	1928

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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: 52

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	560																		23								583
V Bog or Marsh			3																								3
C Cedar				558																							558
G Grass					77																						77
H Hemlock						10																					10
L LowInd Brush									92																		92
P LowInd Poplr										15																	15
N Marsh											11																11
Q Mx Swmp Cnfr												201															201
X Non Stocked													12														12
B Paper Birch															10												10
F Spruce Fir																			47								47
M Upland Hdwds																								300			300
Z Water																									9		9
Total	560		3	558	77	10			92	15	11	201	12		10				47					300	9		1928

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **52**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11583 Cds	Hardwood	1710 Cds
Hardwood	516 Mbf	Hardwood	22 Mbf
Softwood	13620 Cds	Softwood	236 Cds
Softwood	1197 Mbf	Sum CutVol	1990 Cds
Sum TotVol	28629 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1928		150	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 52

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
2	A6	11	80	47	aspen (upland)	immature	final harvest	2		
<p>comnts Fmd : A5F4M4 The stand is on a higher ridge and drops into the riparian zone. There is an occasional spruce/for pole tree and scattered large basswood and sugar maple "wolf" trees. The sale prescription will exclude the riparian zone and retain the large hardwoods.</p> <p>Wld : Cut no white pine or oak if it exists.</p>										
12	M6	46		60	northern hardwood	unevenaged	selection	1		
<p>comnts Fmd : High site quality. Stand is predominantly sugar maple and basswood with an occasional white birch and upland cedar. Transitioning to M9. Only a few regen gaps from previous treatment but those gaps have good regeneration. Marking will be limited to sugar maple stems, retaining all the minor species ie. basswood, w. birch, cedar, white pine, hemlock.</p> <p>Wld : Cut no hemlock, white pine, or cedar. Underplant hemlock and/or white pine after sale is completed.</p>										
17	M6	24		66	northern hardwood	unevenaged	selection	2		
<p>comnts Fmd : Nice stand of predominately sugar maple, with basswood, white birch, and yellow birch. Additional species include upland cedar, hemlock, and white spruce. Retain all the minor species ie. basswood, w. birch, cedar, white pine, hemlock. Regeneration is essentially non-existent.</p> <p>Wld : Cut no hemlock, white pine, or cedar. Underplant with hemlock and/or white pine after sale is completed.</p>										
21	A6	15	90	50	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : A5F4M4 Occasional cedar. Aspen is good sized and healthy. Almost all of the spruce are large, super-canopy trees. Retain cedar and the large spruce.</p> <p>Wld : Cut no white pine or oak if it exists. Keep some of the large windfirm spruce for diversity and seed source.</p>										
25	A6	12	87	65	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Fairly well stocked aspen stand with a good mix of softwood and white birch. Portions of the stand are wetter with more Balm, almost a "P" type. The aspen is big and mature, average dbh is 12"-14". Scattered throughout the stand are large, super-canopy white spruce. Retain all cedar, white pine, and duper-canopy spruce.</p>										
31	M6	5		55	northern hardwood	unevenaged	selection	2		
<p>comnts Fmd : Small hardwood stand along Co. Rd 438. Also contains a few large aspen, basswood and an occasional upland cedar. Cutting will be limited to the w. birch and hard maple. Retain the large aspen, basswood, and cedar.</p> <p>Wld : Cut no white pine, hemlock, or cedar. Underplant with hemlock and/or white pine after sale is completed.</p>										
40	A6	8	82	60	aspen (upland)	immature	final harvest	3		
<p>comnts Fmd : West of stand 41 but lower and wetter. Conifer content is significant, and transitioning to a spruce/fir stand. Aspen is fairly sparse in areas.. Contains a large stick nest in a 16" aspen about 30' up.</p> <p>Wld : Watch for future use of stick nest and determine species that constructed if possible. Protect stick nest and buffer area using MNFI guidelines. Protect trees with similar structure as tree with nest and survey for additional nests in area. Cut no white pine and make an effort to protect some of the white pine saplings during sale.</p>										
41	A5	22	57	65	aspen (upland)	immature	final harvest	3		
<p>comnts Fmd : Stand is located on a high and dry sidehill sloping to a wet cedar stand on the west. There are occasional upland cedar, hemlock, and red maple stems in the stand with pockets of M2-M3. Stocking is variable from a an A5 to heavily stocked A6. As usual, all cedar, hemlock, and white pine will be retained.</p> <p>Wld : Cut no white pine, cedar, or hemlock. Survey for stick nests when on site in Stand #41.</p>										
62	M6	7		66	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment
<p>comnts Fmd : This is a good quality hardwood stand with scattered upland cedar. Basswood and soft maple become more prevalent moving east through the stand as does the fir in the understory. Occasional yellow birch and hemlock can be found along the northern transition zone.</p> <p>Wld : Cut no hemlock, white pine, cedar. Underplant hemlock and/or white pine after sale is completed.</p>										
402	G0	3		60	grass	nonstocked		0	opening maintenance	
<p>Wld : Maintain wildlife opening. Rollerchop to discourage brush and saplings from encroachment.</p>										
403	G0	5		65	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Natural opening with spruce and fir.</p>										

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 52

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
404	G0	17		65	grass	nonstocked		0	opening maintenance	
Wld : Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment.										
411	G0	1		55	grass	nonstocked		0	opening maintenance	
Wld : Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment.										
Total Acres.....		176								

**Proposed Treatments
With Limiting Factors**

Compartment: 52

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

