



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 43 ENTRY YEAR: 2009

Compartment Acreage: 1095 GIS acres: 1095 County: 52 Marquette

Revision Date: 9/06/2007

Stand Examiner: Kevin LaBumbard

Legal Description: T44N, R25W, Sections 16,17,18

Management Goals: To enhance the mesic and dry mesic conifers in the compartment. A few poor quality aspen stands will be allowed to convert to white pine naturally, while a natural pine stand is scheduled to encourage and release natural pine regeneration. 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 and those stands along the Gimzey Lake/Bob's creek drainage will be protected 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 wetlands to excessively drained sands in the south and western portion of the compartment. Major soil associations include Rubicon Sand, moderately drained Crosswell, and poorly drained Greenwood-Dawson association.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Several forties of private ownership are located within and adjacent to this compartment.

Unique, Natural Features

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations:

Special Conservation Area Stands: 8,10,13,23-28,34,36-39,41-45. Stand 8 is a new SCA with excellent potential old growth characteristics.

Watershed and Fisheries Considerations:

Bob's Creek

Wildlife Habitat Considerations: A significant portion of the eastern part of this compartment (the transition from dry-mesic disintegration moraine into the Cyr swamp lowland outwash plain) is classified as SC8. Aspen and Birch stands in the compartment occur on dry-conifer fire dependent habitat types and are succeeding toward (white pine, spruce-fir) increasing structural and compositional diversity while helping to accomplish many objectives of the mesic conifer initiative silviculturally at an accelerated pace with significantly less resources. Riparian areas and corridors such as Bob's Creek and Gimse Lake edge will be protected for the benefit wildlife species utilizing these attributes as well as the maintenance of riparian ecological function. Supercanopy trees, living trees with larges dbh's, snags, and coarse woody debris will be promoted because of the rarity of these legacies on the landscape and species dependent upon these

conditions. Future consideration of restoring fire to fires dependent habitat types in this compartment should be given.

Mineral Resource and Development Concerns and/or Restrictions: Sections 16 - 18, T44N-R25W, Marquette County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and peat and muck. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau and Munising Formations subcrop below the glacial drift. The Trempealeau could be used for stone and the Munising has been used as a building stone. Gravel pits are not located in this area, but there may be potential on the uplands. Abandoned iron mines are located three miles to the north. This State land has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Vehicle access to the compartment is excellent via County Road 557, Bob's Creek road, and several "2 tracks".

Survey Needs: SE ¼ section 17.

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

Fire Protection: This compartment has a moderate 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: 43

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		25	145				35			6	9								220
Black Spruce									55			53							108
Bog or Marsh	37																		37
Cedar										97									97
Grass	32																		32
LowInd Brush	66																		66
Mx Swmp Cnfr			10						186	26	69								291
Non Stocked	5																		5
Paper Birch											20								20
Spruce Fir			23																23
Treed Bog	29																		29
Upland Hdwds											19							5	24
Water	7																		7
White Pine									30	106									136
Total	176	25	178				35		271	235	117	53						5	1095

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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: 43

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	179																		6							35	220
S Black Spruce		108																									108
V Bog or Marsh			37																								37
C Cedar				97																							97
G Grass					32																						32
L Lowlnd Brush									66																		66
Q Mx Swmp Cnfr												291															291
X Non Stocked													5														5
B Paper Birch																			20								20
F Spruce Fir																			23								23
D Treed Bog																						29					29
M Upland Hdwds																								24			24
Z Water																									7		7
W White Pine																										136	136
Total	179	108	37	97	32				66			291	5						49			29		24	7	171	1095

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **43**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2180 Cds	Hardwood	389 Cds
Hardwood	82 Mbf	Softwood	215 Cds
Softwood	4196 Cds	Sum CutVol	604 Cds
Softwood	514 Mbf		
Sum TotVol	7568 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1095		62	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 43

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
11	B6	18	97	55	spruce-fir (uplands-including upland black spruce)	mature	seed tree	3		
<p>comnts Fmd : Mature birch and aspen on a sandy ridge adjacent to Co. Rd 557. Fairly steep north of Bob's Creek sloping east toward swamp conifers. Retain that part of the stand north of Bob's Creek for retention and aesthetics, treat the southern portion with a seed tree harvest leaving scattered white birch. To discriminate against aspen regen, no aspen will be cut. In addition, all white pine, spruce, and 3 stick fir will also be retained. The stand will probably convert to spruce/fir but perhaps a few birch will also regenerate. Alternate M:O will be white pine.</p>										
33	S6	3	98	42	black spruce-swamp	mature	final harvest	3		
<p>comnts Fmd : Small stand primarily of black spruce with a few cedar and white birch. Most of the spruce will be cut, while retaining the cedar and birch. Regeneration of black spruce should not be issue with nearby seed trees and advanced regen in the understory. Marketing the sale may be difficult due the the small size of the stand and low volume of timber.</p>										
Total Acres.....		21								

GWINN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 43

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status	
20	A6	9	90	55	aspen (upland)	mature	final harvest	3			
TREATMENT LIMITING FACTORS: Land survey needed											
comnts Fmd : Mostly bigtooth aspen with scattered fir poles and white pine sawtimber over heavy fir regeneration. Good access through private land but there are no near corners so a survey is needed. All white pine and spruce will be retained.											
22	W9	30	77	49	white pine	immature	thinning	2			
TREATMENT LIMITING FACTORS: Land survey needed											
comnts Fmd : Good white pine stand over mixed softwoods and mature aspen. Dry Mesic. A survey is required to establish state ownership.											
55	B6	2	97	55	spruce-fir (uplands- including upland black spruce)	mature	seed tree	2			
TREATMENT LIMITING FACTORS: Scenic values/visual values											
comnts Fmd : Part of stand 11 but west of Co. Rd 557. Mature birch and aspen on a sandy ridge adjacent to Co. Rd 557. The stand will be treated with stand 11 with a seed tree harvest leaving scattered white birch. To discriminate against aspen regen, no aspen will be cut. In addition, all white pine, spruce, and 3 stick fir will also be retained. The stand will probably convert to spruce/fir but perhaps a few birch will also regenerate. Alternate M:O will be white pine.											
Total Acres.....		41									

