



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 71 ENTRY YEAR: 2008**  
**Compartment Acreage: 1933 GIS acres County: Marquette**

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**Revision Date: 9/6/2006**

**Stand Examiner:** Jerry Mohlman

**Legal Description:** T43N R25W Sections 34,35,36

**Management Goals:** For the 10 yr. period beginning in 2008, we are cutting several aspen stands. Some of the stands will be converted to northern hardwood by retaining and releasing the hardwood seedlings in these stands. This will allow a larger landscape of closed canopy hardwood to protect some migratory songbirds and other species. We will be retaining some large scenic hardwoods in some of these stands for visual values, especially in traveled areas. One small area of selection harvest is proposed but may not sell due to access. It was sold and forfeited previously.

**Soils and topography:** Emmet fine sandy loam, Nadeau-Mancelona complex, Carbondale and Tawas soils, Mashek Fine sandy loam, Northland fine sandy loam, Nadeau fine sandy loam, Nahma muck, Histosols and Aquepts, ponded, Cathro-Ensley mucks. Level swamps with gently rolling uplands. Some eskers in the swamp with steep slopes. Steep slopes on a couple of the moraines. Generally rich soils on the uplands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Developed farms directly south and east of the compartment. Large block of state land north and west.

**Unique, Natural Features:**

**Archeological, Historical, and Cultural Features:** Old logging camps and rail grades in compartment as well as old homestead sites.

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

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Compartment #71 – Maintain lowland conifer thermal cover for yarding deer via special conservation area designations on stands 10, 11, 16, 30, 46, and 59. These stands are within the Mead Deer Yard. Strive for the best possible age class distribution and species/structural diversity in aspen. 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 hardwood stands.

**Mineral Resource and Development Concerns and/or Restrictions:** Compartment 71 Sections 34 - 36, T43N-R25W, Marquette County

Surface sediments consist of medium-textured till (drumlin area). The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group 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. A gravel pit is located in Section 35 and potential is good on the upland areas. Abandoned iron mines are located twelve miles to the north. Section 33 was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Good throughout compartment in upland areas.

**Survey Needs:** No corners are requested during this entry period.

**Recreational Facilities and Opportunities:** General dispersed forest recreation.

**Fire Protection:** Fire frequency and intensity is low in this compartment.

**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: 71

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	140	19	59	139	173	50										28	633
Black Spruce								14											14
Cedar												31			439				470
Grass	193																		193
Lowlnd Brush	30																		30
Mx Swmp Cnfr			118									15							133
Non Stocked	4																		4
Paper Birch								2											2
Spruce Fir				6	11		17												34
Swamp Hrdwds								20											20
Upland Hdwds					4													378	382
Water	18																		18
<b>Total</b>	<b>245</b>	<b>25</b>	<b>258</b>	<b>25</b>	<b>74</b>	<b>139</b>	<b>190</b>	<b>86</b>				<b>46</b>			<b>439</b>			<b>406</b>	<b>1933</b>

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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: 71

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	534																							99			633
S Black Spruce		14																									14
C Cedar				470																							470
G Grass					193																						193
L Lowlnd Brush									30																		30
Q Mx Swmp Cnfr												133															133
X Non Stocked													4														4
B Paper Birch															2												2
F Spruce Fir																			34								34
E Swamp Hrdwds																				20							20
M Upland Hdwds																								382			382
Z Water																									18		18
<b>Total</b>	534	14		470	193				30			133	4		2				34	20				481	18		1933

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 71

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11287 Cds	Hardwood	3198 Cds
Hardwood	761 Mbf	Softwood	25 Cds
Softwood	6485 Cds	Sum CutVol	3223 Cds
Softwood	199 Mbf		
Sum TotVol	19692 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	217
1933			

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 71**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>6</b>	<b>A5</b>	22	51	61	northern hardwood	mature	final harvest	1		
<p>comnts Fmd : Beaver active along pond F1A4 there. Rest of stand sparse A4 or A5 over M4M3 . 2" dbh hardwood. Recommend cut aspen out, protect regeneration and convert to northern hardwood. Blowdown areas.</p> <p>Wld : Leave white spruce on site.</p>										
<b>8</b>	<b>A5</b>	25	51	61	northern hardwood	mature	final harvest	1		
<p>comnts Fmd : Stand sparse A4 or A5 over M4M3 . 2" dbh hardwood. Recommend cut aspen out, protect regeneration and convert to northern hardwood. Blowdown in spots.</p> <p>Wld : Leave white spruce, white birch, and elm.</p>										
<b>12</b>	<b>A5</b>	18	60	49	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Some aspen 10" dbh Smaller 4-stick throughout stand. Some F6 areas along ecotone especially north. Some aspen lost due to blowdown and past beaver activity..We will leave some upland areas of young fir along ecotone in this cut.</p> <p>Wld : Leave white spruce, cherry, and elm.</p>										
<b>18</b>	<b>A4</b>	21	56	56	northern hardwood	sparse	removal	2		
<p>comnts Fmd : Thick 1-2" DBH Maple under sparse mature aspen 4-6 stick. Large old maple should be preserved in cut. Protect regeneration during cut to convert to hardwood. Not much volume/acre. Some mortality and dead tops in aspen.</p> <p>Wld : Leave elm, cherry, white birch yellow birch and white spruce..</p>										
<b>32</b>	<b>A5</b>	21	58	68	northern hardwood	mature	removal	2	natural regeneration	
<p>comnts Fmd : Scattered large aspen with hardwood 3" under thick. North has areas of smaller hardwood regeneration. Some mortality and dead tops in the aspen. Looks like aspen will not add volume or improve. Recommend cut to remove aspen and protect hardwood regen as much as possible and convert stand to northern hardwood. Some nice scenic larger hardwood will be excluded from sale and kept to provide size diversity in the remaining stand.</p> <p>Wld : Leave cherry, elm, white spruce, white birch and yellow birch.</p>										
<b>34</b>	<b>A6</b>	28	56	73	aspen (upland)	mature	final harvest	2	natural regeneration	
<p>comnts Fmd : Sparse areas but some areas well-stocked. A6A5A2. Scattered large old maple sawlogs will be left in next stand for visual management and size diversity.</p> <p>Wld : Leave cherry, elm, and white spruce.</p>										
<b>36</b>	<b>A6</b>	10	51	62	northern hardwood	mature	removal	2		
<p>comnts Fmd : Thick M4M3 under A6A5. Recommend cut aspen out and protect small hardwood and convert stand to hardwood. Most of stand has good maple regeneration 8' up to 6"dbh. Some larger hardwood scattered. Very good soil and site, highest kotar productivity rating. No need for marking hardwood at this time.</p> <p>Wld : Leave cherry, white spruce, and elm..</p>										
<b>43</b>	<b>A6</b>	45	53	71	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : A6A5 some mortality. Sparse areas. Mature but some areas only 3-4 stick and smaller trees. Some areas will probably convert to hardwood. Good soil and site for hardwood. Some areas 2-4" dbh maple understory especially near road. Leave large scattered maple along road for visual management.</p> <p>Wld : Leave some scattered basswood. Retain all white spruce, cherry, and elm.</p>										
<b>44</b>	<b>A6</b>	22	51	71	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Mix of mature and overmature aspen. Well-stocked mostly with some mortality. Small ridge of hardwood 2-3 acres NW can leave for visual management or diversity. Good soil and site.</p> <p>Wld : Leave cherry, elm, and white spruce.</p>										
<b>Total Acres.....</b>		<b>212</b>								

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 71**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
33	M6	5		59	northern hardwood	unevenaged	selection	2		

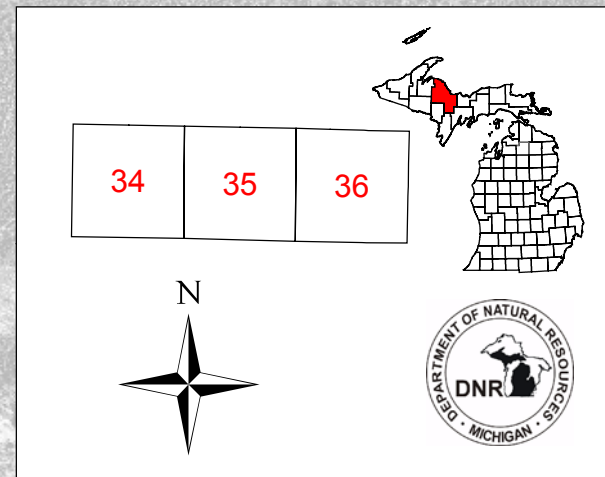
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage  
Blocked by other physical obstacle

comnts Fmd : Fair quality red maple marked and sold last entry. Sale taken back from Vetort and not cut. Permit #17-98-01. Stand was included with a larger sale and now will probably not be feasible by itself. Marking is still visible.

**Total Acres..... 5**

# Field Map

Compartment 71  
 T43N, R25W, Sec. 34, 35, 36  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2008  
 Acres: 1,933 GIS Calculated  
 Stand Examiner: Gerald Mohlman  
 Map Revised: 9/13/2006  
 Map Phase: Pre-review



## Legend

- Miris Corners
- ▬ County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 500 - Removal
- 548 - Removal/Natural Regeneration/Other
- 800 - Selection

