



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 248 ENTRY YEAR: 2008**

**Compartment Acreage: 970 GIS acres      County: 52**

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**Revision Date: 07/24/2006**

**Stand Examiner:** Warren J Heikkila

**Legal Description:** T46N, R27W, Sec. 25 & 36 .

**Management Goals:** For the 10 yr. period beginning in 2008, we will strive to perpetuate or increase the component of oak, birch, and dry, mesic conifers in a non-plantation setting, where they now occur. Protection of the Floppers Creek and Escanaba River water courses will also be a priority.

**Soils and topography:** Ranging from relatively level creek bottoms, swamp conifer, tag alder, and bog/marshlands, to upland which is only rolling to slightly hilly. Generally good logging chance throughout.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State ownership here is generally well blocked in with other State lands except on the north and northeast sides where relatively small private forest holdings occur, mostly non-industrial private owners with recreational objectives. Development is very limited with a few seasonal cottages or hunting camps widely distributed. Production of forest products along with low key recreational activities such as hunting, fishing, mushroom & berry picking, trapping, and snowmobiling make up the land uses here.

**Unique Natural Features** (include only non-site specific and non-sensitive information): The Middle Branch of the Escanaba River touching the northeast corner of the compartment, the Floppers Creek, and other small tributary creeks make up the unique natural features here.

**Archeological, Historical, and Cultural Features** (include only non-site specific and non-sensitive information):

**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:** This compartment is located southwest of Palmer. The diversity in cover-types attracts a good variety of wildlife and offers some decent hunting, trapping, and wildlife viewing opportunities. The lowlands along Flopper's Creek serve as cover and as a movement corridor for many mammals, birds, and amphibians. There are roads and trails through this compartment which offers hunters access for upland bird and deer hunting opportunities

**Mineral Resource and Development Concerns and/or Restrictions:**  
**Compartment 248** Sections 25 & 36, T46N-R27W, Marquette County

Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium and coarse-textured till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Archean Granite/Gneiss subcrop below the glacial drift. This rock could be used as dimension stone. Gravel pits are not located in the area, but there should be some potential. The Tilden iron mine is located seven miles to the north. Section 35 was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Co.Rd. 565 to the east provides primary access whereby tributary roads such as the Dept. maintained Hawkins Pond Road leads into and through the compartment. Other generally narrow, poor dirt, two track roads also provide access to the interior of the compartment. Most of these are in need of gravel and upgrading when budgets allow. Temporary roads are established for timber removal, but these are bermed, and often seeded for wildlife, or obliterated following timber sale completion. The Dept. maintained Hemmings Lake Road provides access to that part of the compartment lying south of the Floppers Creek.

**Survey Needs:** No survey needs requested for 2008.

**Recreational Facilities and Opportunities:** Only low key recreational opportunities for activities such as hunting, trapping, snowmobiling, mushroom & berry picking, etc. exist in this compartment.

**Fire Protection:** This compartment is included within the “581 Zone Dispatch” area which provides for a pre-planned dispatch of specified fire equipment from within the Gwinn and Crystal Falls Mgt. Units, dependent upon the severity of forecast burning conditions for a specific day. Areas of jack/red pine cover types with the encroachment of recreational seasonal and/or residential dwellings have warranted this pre-planning. Mutual aide agreements with local volunteer fire departments also provide critical fire suppression response, especially in the area of structural fire and/or protection, and evacuations.

#### **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: 248

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		140	92		113					9								62	416
Black Spruce										53									53
Bog or Marsh	6																		6
Grass	22																		22
Jack Pine		33	48		62				116										259
LowInd Brush	38																		38
Mx Swmp Cnfr																		5	5
Oak									22										22
Red Pine			14			116													130
Swamp Hrdwds							1												1
Water	13																		13
White Pine									5										5
<b>Total</b>	<b>79</b>	<b>173</b>	<b>154</b>		<b>175</b>	<b>116</b>	<b>1</b>		<b>143</b>	<b>62</b>								<b>67</b>	<b>970</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: 248

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	416																										416
S Black Spruce		53																									53
V Bog or Marsh			6																								6
G Grass					22																						22
J Jack Pine							189																			70	259
L LowInd Brush									38																		38
Q Mx Swmp Cnfr												5															5
O Oak														22													22
R Red Pine																130											130
E Swamp Hrdwds																				1							1
Z Water																									13		13
W White Pine																										5	5
<b>Total</b>	416	53	6		22		189		38			5		22		130				1					13	75	970

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **248**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3767 Cds	Hardwood	1690 Cds
Softwood	5491 Cds	Softwood	1756 Cds
Softwood	214 Mbf	Sum CutVol	3446 Cds
Sum TotVol	9686 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
970		210	

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 248 Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	J6	70	69	63	white pine	high risk	removal	1		
<p>comnts Fmd : Not a uniform timber type. Jack pine is patchy and somewhat unevenaged, but still classifiable as high risk since significant mortality is now present in the pine (jack &amp; red/white). All mixed hwdwd together makes up about 10 sq.ft/acre of stocking. White pine is present in all size classes which is good news for Wildlife mesic conifer goals. We should specify a shortwood operation here to protect as much of the white pine regen and small poles as possible. Also restrict cutting to outside of the "bark-slip" season. Some patches of heavier jack pine may be identifiable after harvest where we may want to plant or seed to conifer after commercial sale.</p> <p>Wld : Located in the SE1/4 of Sec 25.</p>										
4	A6	62		65	aspen (upland)	mature	final harvest	1		
<p>Wld : Located in the N1/2N1/2 and SENE of Sec 36.</p>										
6	O4	22	70	58	oak	two aged		0	other - specify in remarks	
<p>comnts Fmd : Was included in commercial cut in Fall of 1998 by Oro Logging (St.John), permit #08-98-01, "Floppers Creek Aspen Sale". No oak was cut. Currently in 2006, oak regeneration is lacking. Medium understory of aspen &amp; red maple, less than 1 inch diameter. Schedule for prescribed burn pending Wildlife review and approval, for the purpose of knocking back the aspen/maple and encouraging oak regeneration.</p> <p>Wld : Located in the N1/2SE of Sec 36.</p>										
12	J6	14	69	62	jack pine	high risk	final harvest	1		
<p>comnts Fmd : Save any oak, birch, red &amp; white pine for biodiversity, etc.</p> <p>Wld : Located in the NWSE of Sec 36.</p>										
14	R6	61	44	62	red pine	immature	thinning	1		
<p>comnts Fmd : Area was machine planted in October 1962 using 2-0 and 3-0 planting stock, dipped in Aldrin. Stock came from Higgins tree nursery. Contract mark for thinning. We will need to use 100% marking of red pine since rows are not uniform enough to use for merely row thinning. Some limited use of row thinning can be used as a guideline, marking to accommodate mechanical harvesting/ forwarding equipment. Terrain is quite variable which led to seat of the pants machine planting. Natural jack pine and aspen volunteers took over where red pine failed or was crowded out.</p> <p>Wld : Located in the NW1/4 Sec 36.</p>										
39	J6	3	69	62	jack pine	high risk	final harvest	1	direct seeding	
<p>comnts Fmd : Stand is situated in a pothole-like depression. Leave all red/white pine and spruce. Trail road south of and east of stand. Perhaps best way to determine volume here is 100% tally.</p> <p>Wld : Located in the SWNE of Sec 36, north of trail road.</p>										
400	G0	3			grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991. Trail road leading to this opening was also disked &amp; seeded &amp; bermed.</p> <p>Wld : Located in the NWNE of Sec 36, near north end of stand #5.</p>										
401	G0	1			grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991.</p> <p>Wld : Located in the SWNE of Sec 36, on western edge of stand #5.</p>										
402	G0	1			grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991. Trail road between this opening and stand #400 was also disked &amp; seeded &amp; bermed.</p> <p>Wld : Located in the SENE of Sec 36.</p>										
403	G0	1			grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Was created under FTP W31-220 at landing site of a completed timber sale by Wildlife Division using a rockrake, disk, and seeder. Seeding occurred in August of 1991.</p> <p>Wld : Located in the proximity of the E1/4 corner of Sec 36.</p>										
404	G0	5			grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : Was created following commercial cut under FTP W31-236, rockrake, disk, &amp; seed by Wildlife Division. Was seeded in July of 1992. Presently has some conifer invading the opening.</p> <p>Wld : Located in the E1/2NE of Sec 36, bordering J3 on the east &amp; aspen on the west.</p>										

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 248 Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>405</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created at landing site following commercial timber sale by Wildlife Division under FTP W31-413 using rockrake, disk, & seeding. Disked & seeded in July of 2000. Access trail road was bermed just north of stand #12. Wld : Located in the SWNW of Sec 36.										
<b>406</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created at landing site following commercial timber sale by Wildlife Division under FTP W31-413 using rockrake, disk, & seeding. Disked & seeded in July of 2000. Access trail road was bermed just north of stand #12. Wld : Located in the SENW of Sec 36.										
<b>407</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created at landing site following commercial timber sale by Wildlife Division under FTP W31-413 using rockrake, disk, & seeding. Disked & seeded in July of 2000. Access trail road was bermed just north of stand #12. Wld : Located just south of the center of Sec 36, near the SW end of stand #12.										
<b>408</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-410, using a rockrake, disk, & seeding. Was cleared & seeded in July 2000. Access road was bermed. Wld : Located in the S1/2SE of Sec 36.										
<b>409</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-410, using a rockrake, disk, & seeding. Was cleared & seeded in July 2000. Access road was bermed. Wld : Located in the SESE of Sec 36.										
<b>410</b>	<b>G0</b>	5			grass	nonstocked		0	opening maintenance	
comnts Fmd : This was established around 1985 as one of the terminal ground sites for the ELF submarine communication system. The project was abandoned in 2005, and the clearing continues now as a wildlife grass opening. The poles have yet to be removed as of March 2006. Wld : Located in the S1/2SW of Sec 25.										
<b>411</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Was created by Wildlife Division at a landing site following a commercial timber sale under FTP W31-594, using a rockrake, disk, & seeding. Was cleared & seeded in August 2002. Had some oak windthrow in stand shortly afterward. Wld : Located in the NENW of Sec 36, north of trail road.										
<b>Total Acres.....</b>		<b>254</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 248**

**Entry Year: 2008**

<b>Stand</b>	<b>Cover Type</b>	<b>Acres</b>	<b>Age</b>	<b>Site Index</b>	<b>Mgt Obj</b>	<b>Condition</b>	<b>Method Cut</b>	<b>Harvest Priority</b>	<b>Cultural Need</b>	<b>FDF Status</b>
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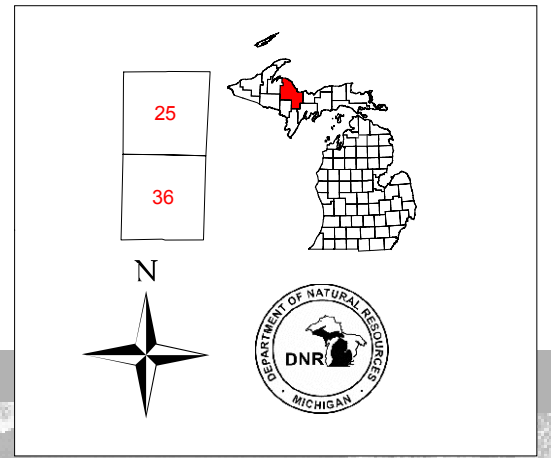
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 248  
 T46N, R28W, Sec. 22, 27  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2008  
 Acres: 970 GIS Calculated  
 Stand Examiner: Warren Heikkila  
 Map Revised: 9/14/2006  
 Map Phase: Pre-review



## Legend

- RLS Corners
- Miris Corners
- County Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- Biodiversity/Old Growth Area
- 026 - Opening Maintenance
- 097 - Other/Prescribed Burning
- 100 - Final Harvest
- 135 - Final Harvest/Direct Seeding/Mechanical, other
- 400 - Thinning
- 500 - Removal

