



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 264 ENTRY YEAR: 2009**

**Compartment Acreage: 1144  
GIS acres County: 52**

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**Revision Date: 03/15/2007**

**Stand Examiner: Warren J Heikkila**

**Legal Description: T45N, R27W, Sec. 28 and 33 .**

**Management Goals: For the 10 yr. period beginning in 2009, 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. Enhancement of aesthetics and wildlife through in-stand retention principles for all treatments is also a priority here.**

**Soils and topography:** Ranging from relatively level wetlands such as swamp conifers, treed bogs, tag alder, and bog/ marshlands, to upland which is only rolling to moderately hilly. Generally a good logging chance for the entire compartment .

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State ownership borders this compartment on all sides with only minor exceptions, and of course the SW1/4 of Sec 28 is private non-industrial. Development is relatively non-existent at this time with the 2005 abandonment of the ELF submarine communication system. Some very scattered seasonal cottages or hunting camps comprise the remainder of development here. Production of forest products along with low key recreational activities such as hunting, mushroom & berry picking, riding ORV's, or snowmobiles, hiking, fishing, and trapping make up the land uses here.

Unique, Natural Features (include only non-site specific and non-sensitive information): Kidney Lake in Sec 33, and the Bryan Creek and Camp Eleven Creek together with smaller un-named tributaries make up the unique natural features in this area.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known or documented in this compartment.

**Special Management Designations or Considerations: Special Conservation Area stands are located in the compartment generally to act as riparian buffers along the water bodies or courses. Also a larger block of SCA east of Kidney Lake to provide for an area where natural processes such as plant succession are permitted to play out unimpeded by man. See treatment map for legend of Special Conservation Stands (termed biodiversity/old growth areas). SCA Stands: 16, 18, 23, 32, 34, 35, 36, 37, 38, 40, 42, 45, 52, 54, 55, 56, 57, 59, 60, 61, 63, 64, 65, 67, 69, 71, 72, 75, 76, 77**

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Maintain and protect riparian "Special Conservation Area" stands as movement corridors and core habitat for a multitude of game and nongame wildlife species/communities. Promote habitat legacies in all "Special Conservation Area" stands, such as standing and fallen snags,

supercanopy trees, and natural processes/disturbances. Harvested spruce/fir stands need to be regenerated to evergreen conifer species in similar proportions found in the canopy pre-harvest.

**Mineral Resource and Development Concerns and/or Restrictions:**

**Vehicle Access:** The County Road known as Kates Grade (designated CoRd PX) provides primary vehicular access through this compartment east-west, connecting to the Charlie Lakes Road, Bryan Creek Road, and Camp 11 Truck Trail. It is a relatively narrow dirt road built on the route of an old railroad grade. .. Secondary tributary roads leading into the compartment are in general poor dirt two track roads. The existing road crossing the SW1/4 of Sec 28 has been used with permission of the private landowner in the past to access State timber. No easement exists.

**Survey Needs:** No survey needs in 2009.

**Recreational Facilities and Opportunities:** Only low-key recreational activities common to most compartments, such as hunting, fishing, hiking, berry & mushroom picking, trapping, etc. are available 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:** Mich. Natural Features Inventory information of record.

	Loon to the e and nw.	VIII.3.1	Mixed Conifer Swamp, Jack Pine-Red Pine Forest, White Pine-Red Pine Forest, Shrub Swamp/Emergent Marsh, Spruce-Fir-Cedar Forest
	Canada rice grass to the ne.	VIII.3.2	
	A-ranked rich conifer swamp to the e. Dry northern forest to the se.	IX.3.2	
	Potential for great blue heron rookery, eagle, and osprey. Potential for moose and wolf. Potential for wood turtle. Potential for frigga fritillary, freija fritillary and red-disked alpine in bogs.		

➤ **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: 264

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		134	131		255	153				21									694
Black Spruce					6				39		23	27							95
Bog or Marsh	7																		7
Grass	3		17	23															43
Jack Pine					5														5
LowInd Brush	70																		70
Marsh	22																		22
Mx Swmp Cnfr							2												2
Paper Birch										93									93
Red Pine			50							7								10	67
Spruce Fir							5			14									19
Swamp Hrdwds																		9	9
Water	18																		18
<b>Total</b>	<b>120</b>	<b>134</b>	<b>198</b>	<b>23</b>	<b>266</b>	<b>153</b>	<b>7</b>		<b>39</b>	<b>135</b>	<b>23</b>	<b>27</b>						<b>19</b>	<b>1144</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: 264

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	694																										694
S Black Spruce		95																									95
V Bog or Marsh			7																								7
G Grass					43																						43
J Jack Pine							5																				5
L Lowlnd Brush									70																		70
N Marsh											22																22
Q Mx Swmp Cnfr												2															2
B Paper Birch															81											12	93
R Red Pine																67											67
F Spruce Fir																			19								19
E Swamp Hrdwds																				9							9
Z Water																									18		18
Total	694	95	7		43		5		70		22	2			81	67			19	9					18	12	1144

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **264**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10898 Cds	Hardwood	208 Cds
Hardwood	5 Mbf	Softwood	253 Cds
Softwood	2842 Cds	Sum CutVol	461 Cds
Softwood	329 Mbf		
Sum TotVol	14408 Cds		
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	26
1144			

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
2	A2	32	5	57	aspen (upland)	immature		0	planting	
<p>comnts Fmd : I coded treatment period zero here for possibly a site for Wildlife to plant some white pine or hemlock in the spots which are currently sparsely stocked, if the site meets their requirements. /// Was commercially cut by Gary Gazan Timber Contracting, Inc. in 2002 under permit #114-99-01, "Kates Grade ELF North Sale". Access was from the south off Kates Grade on existing roads across Steve Pascoe's property with his permission. Birch seed trees were marked to leave as well as leaving all oak, cherry, red &amp; white pine. Only spruce having two or more sticks were cut. Presently in Oct 2006, birch regen was not found, but both aspen of variable stocking, and fir, both new seedlings and advance regen when sale was cut, are providing the new stand. Some sparse areas but these may function as grass openings for the interim. UNDERPLANT WHITE PINE.</p> <p>Wld : Plant mix of white pine, hemlock, and/or white spruce. Located in the N1/2NW of Sec 28.</p>										
3	B6	12	81	62	white pine	mature	final harvest	1	planting	
<p>comnts Fmd : Final Harvest with Reserves. /// An older permit #25/63 was issued to Ellsworth Kroon for the NWNW and specified to cut all jack pine 10 inch &amp; larger in stump diameter. He cut over 200 cds in 1964. Consider converting to white pine (perhaps in the more open patches on eastern portion of stand and let spruce/fir take over the west end) or at least dry mesic conifers. White pine regen is already present in places, but not adequate for the entire stand. Plant where needed. Leave a cover crop for the pine, perhaps all the maple (in the eastern end of stand) or some of the other species. Leave all oak if present and all the red &amp; white pine, and some seed trees for spruce/fir. Birch is dying out and has proven to be unsuccessful in restocking in this area. More conifer (spruce esp.) present in west part, especially where high ground borders swamp, but this timber is high risk and should be harvested. Plant stand to red or jack pine if white pine is unsuccessful. RETAIN BIRCH SEED TREES. ALTERNATE MO OF BIRCH. UNDER PLANT WHITE PINE.</p> <p>Wld : Retain cherry. Located in the NWNW of Sec 28, north of ELF row.</p>										
17	F6	7	83	53	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
<p>comnts Fmd : Final Harvest with Reserves. /// Leave all red &amp; white pine, and white spruce for diversity. Also mark or designate any potential wildlife den trees (aspen or birch) to leave. And leave oak and cherry if any present. BUFFER VERNAL POND.</p> <p>Wld : Located in the NENW &amp; NWNE of Sec 33.</p>										
70	F6	7	82	46	spruce-fir (uplands- including upland black spruce)	mature	final harvest	2		
<p>comnts Fmd : Final Harvest with reserves. Upland terrain. Was included with sale #115-99-01 (stand #8) when it was first set up in Dec 1998, but was deleted at request of Area Biologist. Possibly this stand could be included with stand #3 to the west for sale purposes. Not commercially viable as a stand alone sale. Retention: Save trace species of white spruce, red &amp; white pine, and red maple as well. Also oak if any found here. Best stocking of timber is on the west edge. USE A DIAMETER LIMIT TO PRESERVE SPRUCE COMPONENT.</p> <p>Wld : Leave cedar and hemlock. Located in the SENW &amp; SWNE of Sec 28.</p>										
<b>Total Acres.....</b>		<b>58</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 264**

**Entry Year: 2009**

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<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>FD Status</b>
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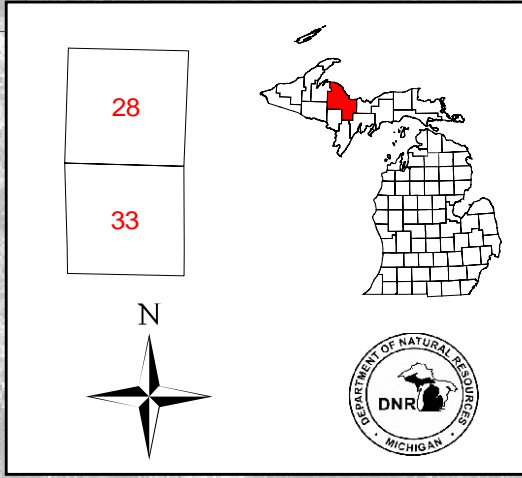
TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

# Field Map

Compartment 264  
 T45N, R27W, Sec. 28, 33  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2009  
 Acres: 1144 GIS Calculated  
 Stand Examiner: Warren Heikkila  
 Map Revised: 9/10/2007  
 Map Phase: Pre-Review



- Legend**
- RLS Corners
  - Miris Corners
  - County Dirt Roads
  - Gravel Roads
  - Poor Dirt Roads
  - Water Features
  - Stand Boundary
  - Special Conservation Areas
  - 011 - Planting/Hand Tools
  - 100 - Final Harvest
  - 111 - Final Harvest/Planting/Hand Tools

