



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 204 ENTRY YEAR: 2009**

**Compartment Acreage: 3138      County: Marquette**

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**Revision Date:** July, 26 2007

**Stand Examiner:** Dean Wilson

**Legal Description:** T49N-R26W, sections 13, 24, 25 and 26. T49N-R25W, sections 17, 18, 19, 20, 30, 31, and 32.

**RMU (if applicable):**

**Management Goals:** Habitat/vegetation and mixed use.

**Soil and Topography:** Soils range from coarse sands along the lake to loamy sands and sandy loams with rock outcrops inland. The topography ranges from nearly level to gently undulating to rugged steep rock hills and ranges.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is surrounded by corporate and other private ownerships. Land use is primarily for passive and active recreation.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** Widely varied habitats occur including dune and swale and mesic northern forest. The Harlow, Nash, and Bismark Creeks flow through this compartment. Harlow Lake in its entirety is contained in this tract.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** Nothing significant noted.

**Special Management Designations or Considerations:** Extensive recreational trails are maintained in this area. Hogs Back Mountain and other popular scenic overlooks are developed. The Harlow Lake cabins are popular rentals in the area. The Lake Superior shoreline with its extensive sand beaches are heavily used. The large upland hemlock and lowland conifer forest types are winter deer yard. Stand 5 is designated a dune and swale ecological reference area. Stand 25 is designated a mesic forest ecological reference area. Stands 1, 2, 3, 4, 8, 14, 17, 19, 20, 16, 21, 6, 15, 23, 24, 26, 27, 28, 29, 31, 48, 50, 59, 47, 46, 49, 51, 52, 53, 54, 55, 67, 72, 61, 75, 30, 56, 58, 60, 62, 64, 65, 66, 68, 69, 70, 73, 63, 74, 76, 32, 77, 57, and 71 are designated special conservation areas.

**Watershed and Fisheries Considerations:** Special conservation value designations have been made to protect the surface waters in this compartment.

**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. Maintain or increase biodiversity in northern hardwood

stands through retention of associate species. Protect and/or enhance Ecological Reference Areas (ERA). 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. This compartment falls within the Echo Lake/Harlow Lake Deeryard. Maintenance of thermal cover in hemlock, cedar, and lowland conifer stands is crucial for winter deer range. A plan for implementation of an “Ecological Reference Area” within this compartment is being assessed by the DNR at this time.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine sand and gravel and glacial outwash sand and gravel and postglacial alluvium sometimes thin to discontinuous over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone and Archean Granite/Gneiss subcrop below the glacial drift. The granite/gneiss could be used as dimension stone and the Jacobsville was used as a building stone in the past. A gravel pit is located in Section 30 and there should be potential. Abandoned iron mines are located ten miles to the southwest. This Compartment was not previously leased for metallic exploration, but lands to the south were. There is no economic oil and gas production in the UP.

**Vehicle Access:** Is good to and internally in this compartment.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** See special management considerations above.

**Fire Protection:** Fire occurrence is a problem in this area due to heavy public use and the rugged terrain.

**Additional Compartment Information:** The part of this compartment lying east of County Road 550 is proposed to be a natural area.

- **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: 204

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			66			43			63	65									237
Cedar														35		16			51
Hemlock										147		355	209					4	715
Lowlnd Brush	32																		32
Lowlnd Poplr			33				13												46
Marsh	3																		3
Mx Swmp Cnfr							5										5		10
Non Stocked	5																		5
Oak									232										232
Paper Birch										16									16
Red Pine								12		4		16	14	424				599	1069
Rock	122																		122
Sand Dune	30																		30
Spruce Fir											9								9
Swamp Hrdwds								167										7	174
Upland Hdwds																		311	311
Water	62																		62
White Pine										14									14
<b>Total</b>	<b>254</b>		<b>99</b>			<b>43</b>	<b>18</b>	<b>179</b>	<b>295</b>	<b>246</b>	<b>9</b>	<b>371</b>	<b>223</b>	<b>459</b>		<b>16</b>	<b>5</b>	<b>921</b>	<b>3138</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: 204

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	237																										237
C Cedar				51																							51
H Hemlock						715																					715
L Lowlnd Brush									32																		32
P Lowlnd Poplr										46																	46
N Marsh											3																3
Q Mx Swmp Cnfr												10															10
X Non Stocked													5														5
O Oak														232													232
B Paper Birch															16												16
R Red Pine															1069												1069
K Rock																122											122
Y Sand Dune																		30									30
F Spruce Fir																			9								9
E Swamp Hrdwds																				174							174
M Upland Hdwds																								311			311
Z Water																									62		62
W White Pine																										14	14
<b>Total</b>	237			51		715			32	46	3	10	5	232	16	1069	122	30	9	174				311	62	14	3138

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **204**

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

COMPARTMENT SUMMARY	
TOTAL VOLUME	CUT VOLUME
Hardwood 18058 Cds	
Hardwood 2239 Mbf	
Softwood 19360 Cds	
Softwood 12501 Mbf	
Sum TotVol 66898 Cds	
<b>Total Cmpt Acres</b>	Acres Proposed For Cut..... 0
3138	

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 204**

**Entry Year: 2009**

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

**Proposed Treatments  
With Limiting Factors**

**Compartment: 204**

**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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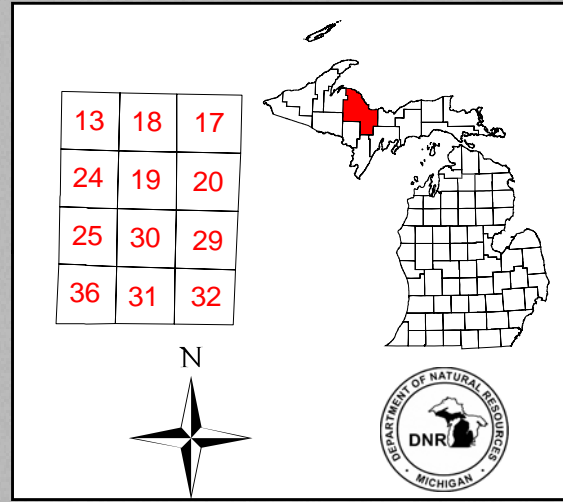
TREATMENT LIMITING FACTORS:

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

# Field Map

Compartment 204  
 T49N, R25W, Sec. 17-20, 29-32  
 T49N, R26W, Sec. 13, 24, 25, 36  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2009  
 Acres: 3,138 GIS Calculated  
 Stand Examiner: Dean Wilson  
 Map Revised: 9/04/2007  
 Map Phase: Pre-Review



- Legend**
- Miris Corners
  - County Gravel Roads
  - County Dirt Roads
  - Paved Roads
  - Gravel Roads
  - Poor Dirt Roads
  - Trails
  - Stand Boundary
  - Special Conservation Areas

