



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 287 ENTRY YEAR: 2010

Compartment Acreage: 1288 County: Marquette

Revision Date: August 28, 2008.

Stand Examiner: Dean Wilson

Legal Description: T47N-R23W, sections 28, and 33.

RMU (if applicable):

Management Goals: Habitat/vegetation and mixed use.

Soil and Topography: Soils range from poorly drained loams to sands, to organic mucks and peats.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership on the north, south and east sides. The west side is bounded by non-industrial private landowners. Land use is primarily for forest production, and passive recreation.

Unique, Natural Features (include only non-site specific and non-sensitive information): The LeVasseur Creek and the East Branch of the LeVasseur Creek flow through this area. Wet land habitats are diverse in this tract.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): There is evidence of old logging camps in this compartment.

Special Management Designations or Considerations: Management operations will be designed to protect drainage ways and maintain diversity. Stands 3, 4, 5, 8, 21, 39, 41, 55, 59, and 61 are newly designated special conservation areas.

Watershed and Fisheries Considerations: The Le Vasseur Creek and East Branch of the Le Vasseur Creek are contained in this compartment.

Wildlife Habitat Considerations: Sand River Lake Plain. Maintain or increase hemlock coverytype. Special Conservation Areas along LeVasseur Creek, East Branch LeVasseur Creek, and tributaries to provide protection for wildlife corridors and riparian areas including vernal channels. Diversity in habitat types offers a variety of hunting and wildlife viewing opportunities. Large hemlock stands are regenerating well and have taken on some old growth characteristics which provide thermal cover, coarse woody debris, and super-canopy trees.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial till over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcropps below the glacial drift. This rock was previously used as a building stone. A gravel pit is located in Section 32 and there should be potential. Abandoned iron mines are

located fifteen miles to the southwest. This compartment has never been leased for metallic exploration recently. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to this compartment but limited internally.

Survey Needs: None.

Recreational Facilities and Opportunities: There are no developed recreational opportunities in this compartment. Passive recreational use is moderate.

Fire Protection: The bulk of this compartment is vernal forest with a low risk of 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: 287

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		224	120	28															372
Black Spruce									1										1
Cedar										3									3
Grass	1																		1
Hemlock																		226	226
LowInd Brush	29																	4	33
Marsh	15																		15
Mx Swmp Cnfr																		129	129
Spruce Fir					38														38
Swamp Hrdwds										12								140	152
Upland Hdwds										202								112	314
White Pine										4									4
Total	45	224	120	28	38				1	221								611	1288

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

ESCANABA RIVER STATE FOREST

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MARQUETTE COUNTY

COMPARTMENT: 287

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	372																										372
S Black Spruce		1																									1
C Cedar				3																							3
G Grass					1																						1
H Hemlock						226																					226
L Lowlnd Brush									33																		33
N Marsh											15																15
Q Mx Swmp Cnfr												129															129
F Spruce Fir																			38								38
E Swamp Hrdwds																				152							152
M Upland Hdwds	5																							309		314	
W White Pine																										4	4
Total	377	1		3	1	226			33		15	129							38	152				309		4	1288

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **287**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11660 Cds	Hardwood	122 Cds
Hardwood	555 Mbf	Softwood	22 Cds
Softwood	6104 Cds	Sum CutVol	144 Cds
Softwood	981 Mbf		
Sum TotVol	20836 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	5
1288			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 287 **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
60	M6	5	83	56	aspen (upland)	immature	final harvest	3		

comnts Fmd : Cut with timber in compartment 291 to the east.

Wld : Cut no hemlock or white pine.

Total Acres..... 5

**Proposed Treatments
With Limiting Factors**

Compartment: 287 **Entry Year:2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

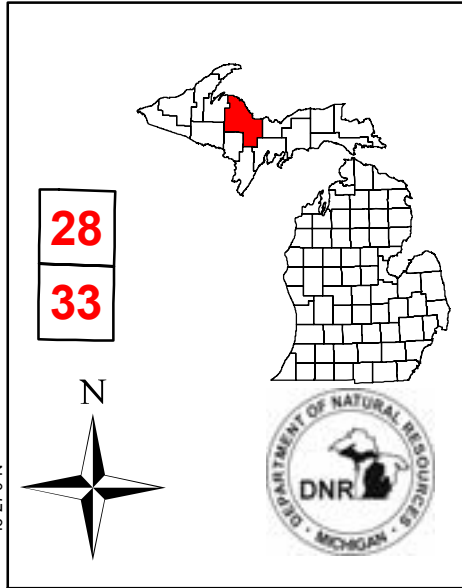
Total Acres..... **0**

Cover Type and Treatment

16

15

Compartment 287
 T47N, R23W, Sec. 28, 33
 County: Marquette
 Unit: Gwinn
 YOE: 2010
 Acres: 1,288 GIS Calculated
 Stand Examiner: Dean Wilson
 Map Revised: 8/13/2008
 Map Phase: Pre-review



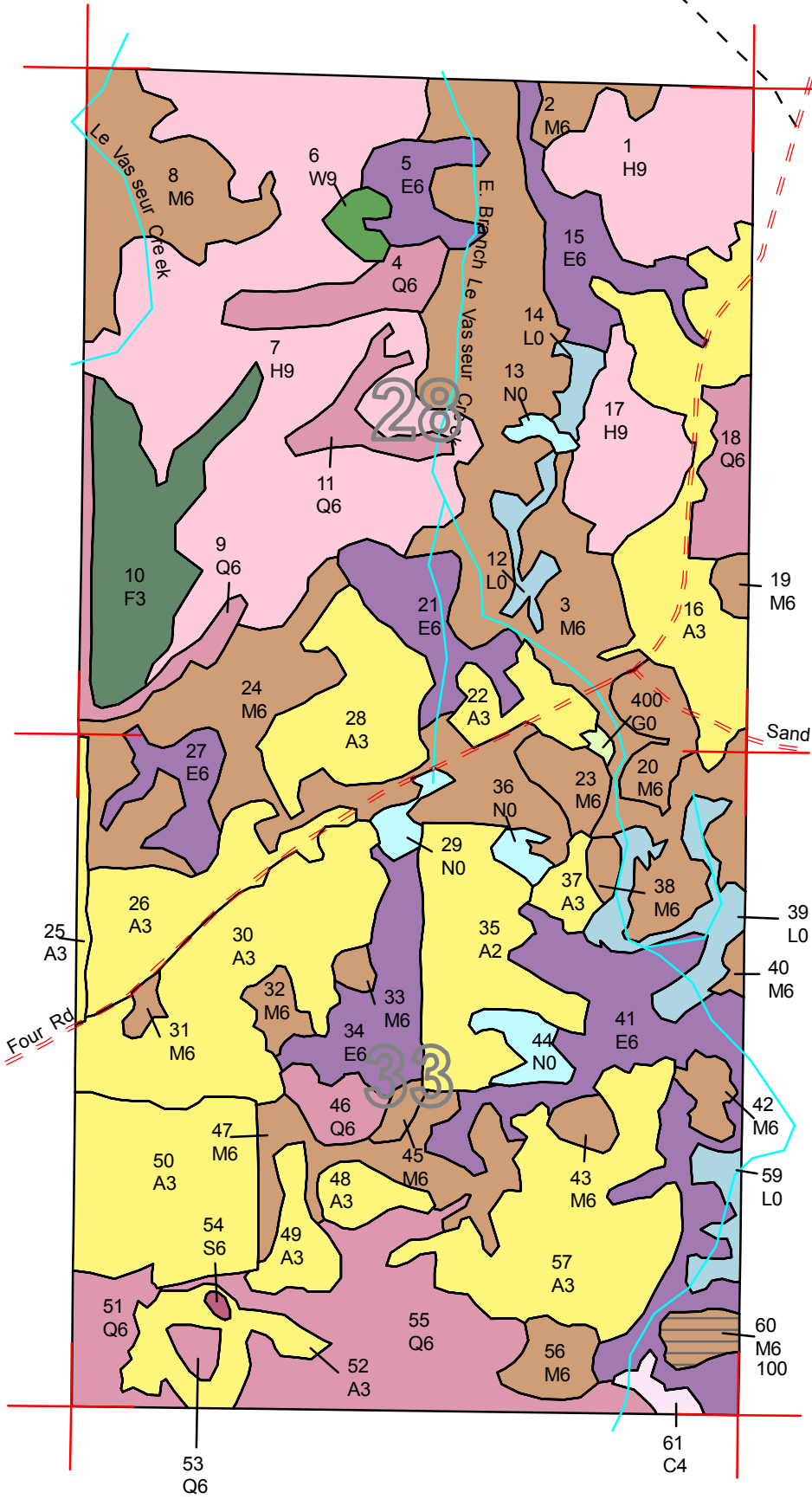
28
33

21

22

Legend

- Miris Corners
- - - County Gravel Roads
- - - Poor Dirt Roads
- Water Features
- Stand Boundary
- 100 - Final Harvest
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- H - Hemlock
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- Q - Mixed Swamp Conifers
- S - Black Spruce Swamp
- W - White Pine



27

31

32

33

34

06

05

04

03

1 0.5 0 1 Miles

87°13'0"W 87°12'0"W 87°11'0"W

46°27'0"N

46°26'0"N

46°25'0"N

46°28'0"N

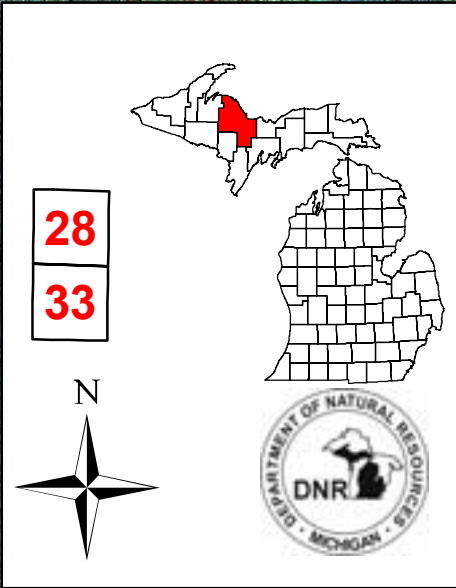
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46°26'0"N

46°25'0"N

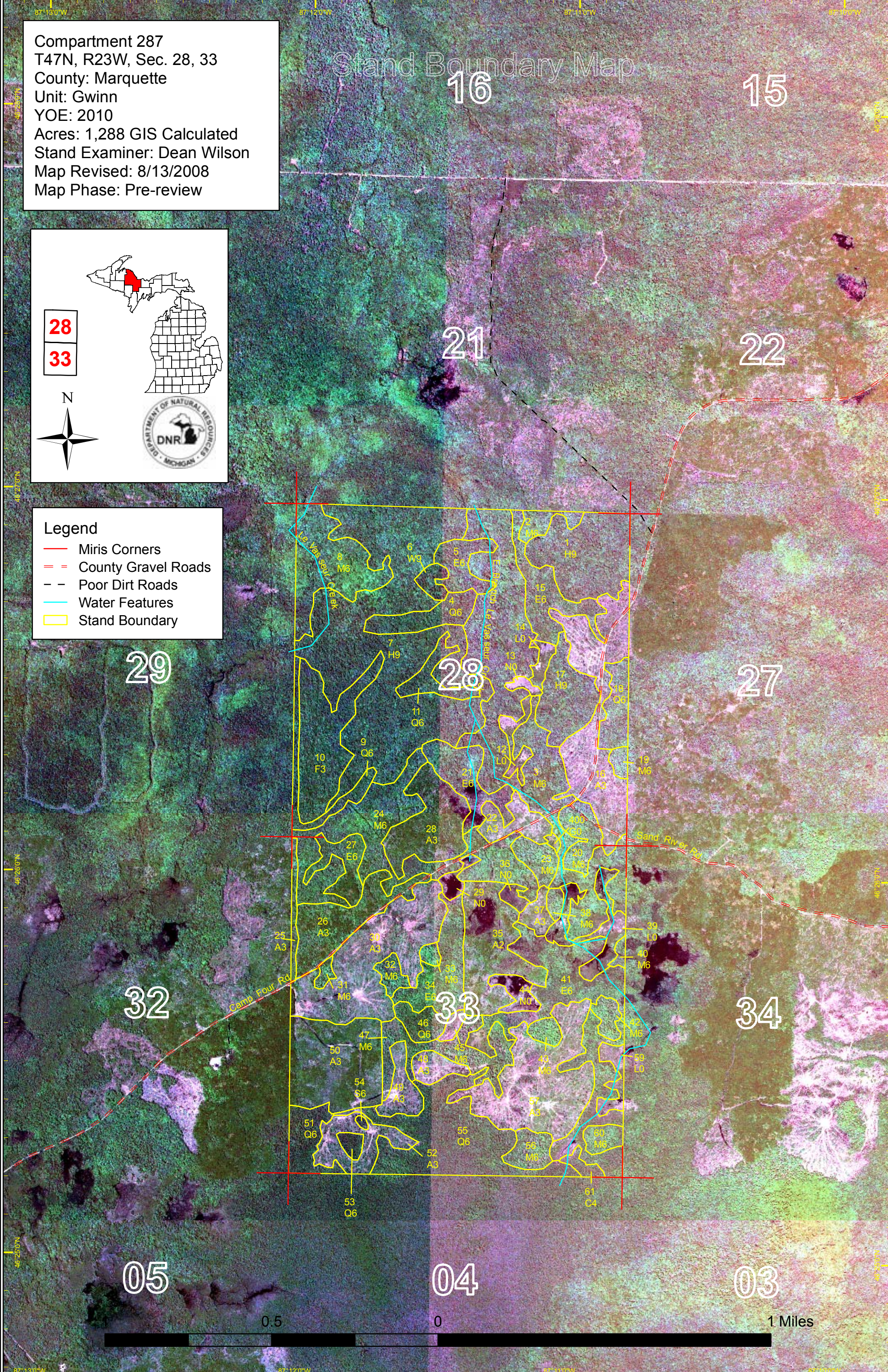
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Stand Boundary Map



Legend

- Miris Corners
- = County Gravel Roads
- - Poor Dirt Roads
- Water Features
- Stand Boundary



87°13'0"W

87°12'0"W

87°11'0"W

87°10'0"W

Dedicated & Proposed Special Conservation Area Map

16

21

29

28

27

32

33

34

5

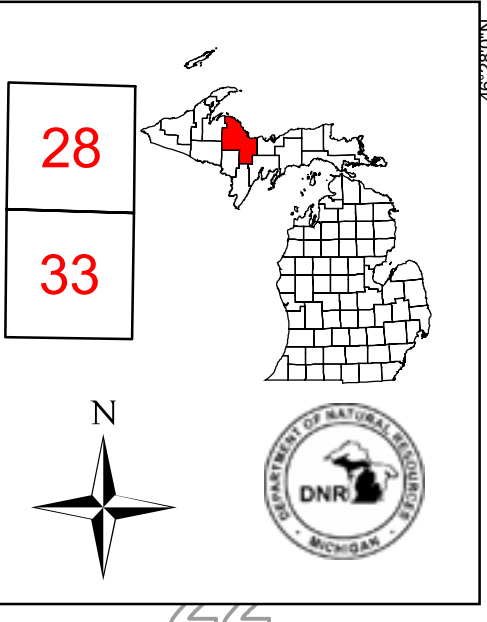
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3

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Legend

- Miris Corners
- Stand Boundary
- Proposed SCA
- Dedicated SCA**
- Potential Old Growth Stands
- OI Special Conservation Areas



46°28'0"N

46°28'0"N

46°27'0"N

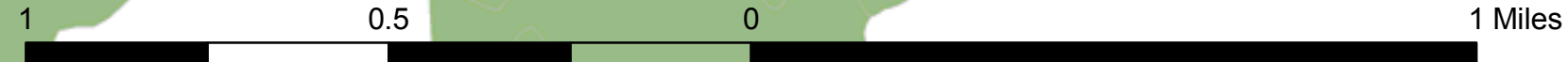
46°27'0"N

46°26'0"N

46°26'0"N

46°25'0"N

46°25'0"N



87°12'0"W

87°11'0"W

87°10'0"W



DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.