



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 18 ENTRY YEAR: 2010

Compartment Acreage: 1636 County: 52 Marquette

Revision Date: 8/07/08

Stand Examiner: Kevin LaBumbard

Legal Description: T44N R24W Sec's. 10, 11, 12

Management Goals: This compartment lies approximately 5 miles southeast of Little Lake and consists of large wetland complexes with high quality northern hardwoods and aspen on the uplands. Management goals of the scheduled hardwood stands are to improve stem quality and diameter class distribution while maintaining species diversity, conifer content, coarse woody debris, and den trees. Special conservation area stands in the eastern part of the compartment are part of a vast wetland complex and consist of large remnant hardwood, hemlock, and aspen "islands" surrounded by bog, and are excellent candidates for potential old growth.

Soils and topography Terrain is flat to gently rolling; generally swampland to the east with scattered hardwood islands. Soils range from very poorly drained loam to sandy ridges. Major soil associations include: Carbondale, Lupton, Rifle, Rubicon, Crosswell, and Tawas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Several forties of private ownership are located within and adjacent to this compartment.

Unique, Natural Features

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations:

Special Conservation Area Stands: 30,31,38,39,42,43,48,50,52,55,57-59,63,67. There were no new additions or subtractions of SCA stands this treatment period.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Maintain and protect "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. Maintain or enhance biodiversity in northern hardwood stands through conservation/sustainment of all associated overstory and understory species, with a particular focus on providing mesic conifer species in all forest strata

Mineral Resource and Development Concerns and/or Restrictions: Sections 10 - 12, T44N-R24W, Marquette County

Surface sediments consist of medium-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group and Cambrian Trempealeau Formation subcrop below the glacial drift. These formations could be used for stone in the UP. There are not

gravel pits in the area, but there maybe some potential on the uplands. Abandoned iron mines are located six miles to the northwest. This State land has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access Very good for the western half of the compartment off of M35. Fair east of M35 through compartment 17 to the north and comp. 5 to the east.

Survey Needs: none

Recreational Facilities and Opportunities: Recreational activity for this area is primarily for upland hunting of ruffed grouse, woodcock and whitetail deer.

Fire Protection: This compartment has a low risk for 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: 18

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		7	35	63	230				22										357
Black Spruce									26			144		27					197
Cedar												31							31
Grass	9																		9
Hemlock													28					7	35
LowInd Brush	33																		33
Mx Swmp Cnfr								17	143	2	174			8					344
Non Stocked	19																		19
Paper Birch									4										4
Spruce Fir			8																8
Swamp Hrdwds									98										98
Treed Bog								203											203
Upland Hdwds					5					3	22							268	298
Total	61	7	43	63	235			220	293	5	196	175	28	35				275	1636

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

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MARQUETTE COUNTY

COMPARTMENT: 18

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	357																										357
S Black Spruce		197																									197
C Cedar				31																							31
G Grass					9																						9
H Hemlock						35																					35
L Lowlnd Brush									33																		33
Q Mx Swmp Cnfr												344															344
X Non Stocked													19														19
B Paper Birch															4												4
F Spruce Fir																			8								8
E Swamp Hrdwds																			98								98
D Treed Bog																						203					203
M Upland Hdwds																								298			298
Total	357	197		31	9	35			33			344	19		4				8	98		203		298			1636

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **18**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5669 Cds	Hardwood	286 Cds
Hardwood	891 Mbf	Hardwood	57 Mbf
Softwood	5059 Cds	Sum CutVol	400 Cds
Softwood	63 Mbf		
Sum TotVol	12636 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	98
1636			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 18

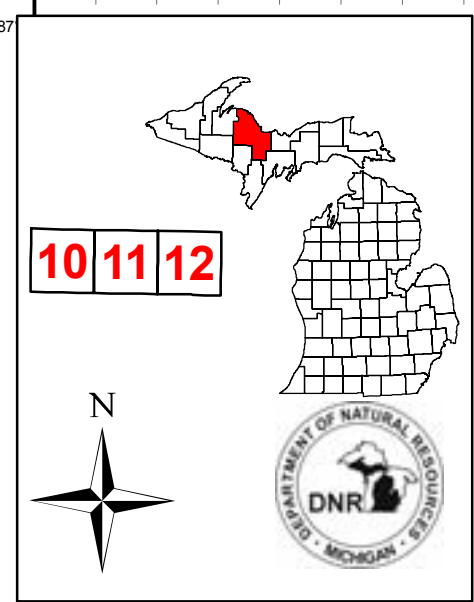
Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
51	M9	89		71	northern hardwood	unevenaged	selection	2			
<p>comnts Fmd : Area treated under timber sale # 013-90-01 with cutting completed in 1996. Excellent well developed hard maple regeneration 1" in diameter and 8'-12' tall. Site quality is very high, AoCA. The stand is dominated by sawtimber sized sugar maple, with occasional cherry, basswood, and the rare red oak sawtimber. There are very few 6"-8" poles, and only a few 10" dbh poles. Forest floor is carpeted with dutchman's-breeches.</p> <p>Wld : Retain all oak, hemlock, white pine, cedar, and white spruce. Strive to enhance overstory size class representation and species diversity. Retain trees with cavity/den sites. Nearly pure sugar maple stand. Extremely dense understory of sugar maple saplings. Yellow birch in overstory. Protect vernal ponds from equipment traffic.</p>											
Total Acres.....		89									

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status	
34	M6	6		58	northern hardwood	immature	selection	2			
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage Blocked by other physical obstacle											
comnts Fmd : Fair quality hardwood stand showing the effects of past excessive logging damage. Lots of scars, and cankers. The stand also contains cherry and large red maple. Heavy maple seedling stocking about 12" high. Poor access over a very long winter road.											
Wld : Strive to enhance overstory size class representation and species diversity. Retain trees with cavity/den sites. Leave all white spruce, hemlock, white pine, and cedar.											
35	M6	3	82	64	northern hardwood	immature	selection	2			
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage Blocked by other physical obstacle											
comnts Fmd : Red maple stand with wetter soils. Mostly fir in the understory. Occasional hemlock and yellow birch. Poor access over a long winter road.											
Wld : Strive to enhance overstory size class representation and species diversity. Retain trees with cavity/den sites. Leave all white spruce, hemlock, white pine, and cedar.											
Total Acres.....		9									

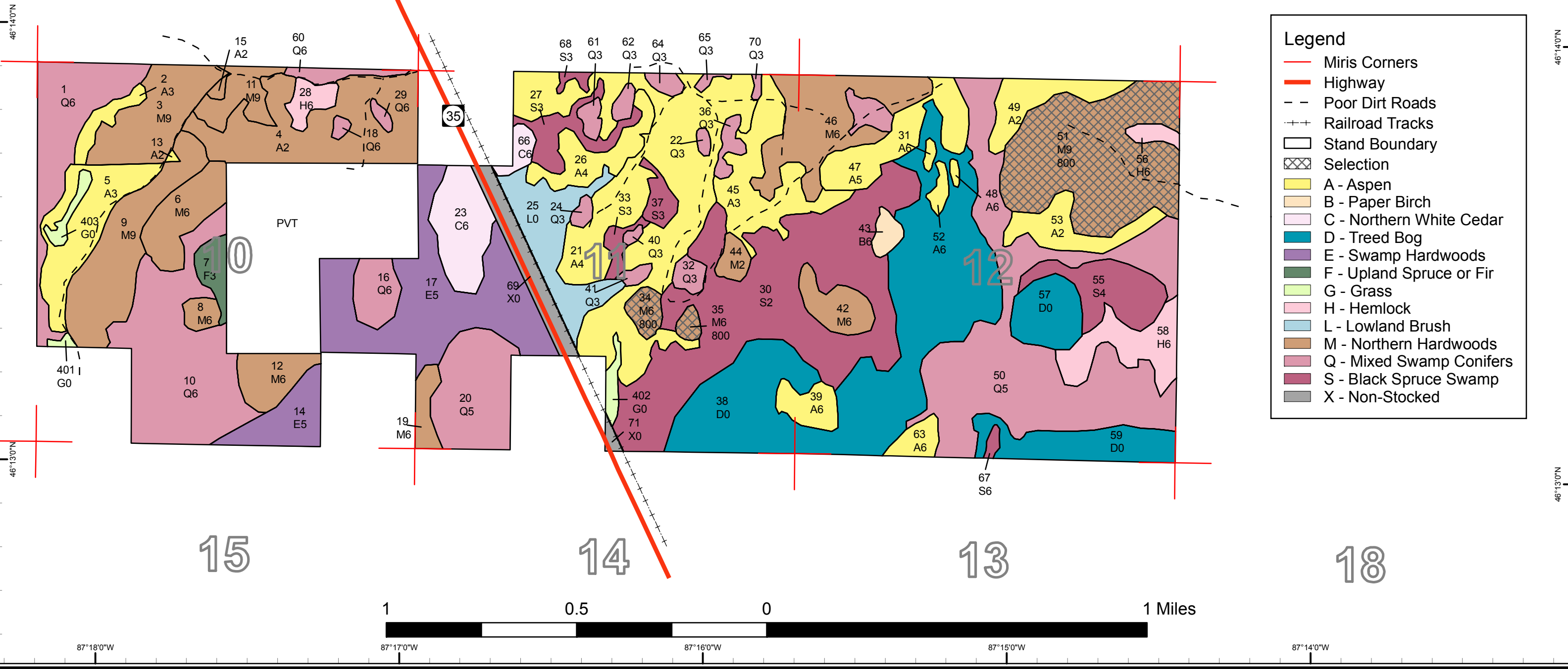
Compartment 18
 T44N, R24W, Sec. 10, 11, 12
 County: Marquette
 Unit: Gwinn
 YOY: 2010
 Acres: 1, 636 GIS Calculated
 Stand Examiner: Kevin Labumbard
 Map Revised: 8/27/2008
 Map Phase: Pre-review

Cover Type and Treatment



02

01

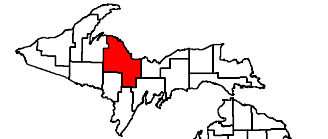


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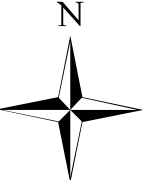
- Miris Corners
- Highway
- - - Poor Dirt Roads
- + - + Railroad Tracks
- Stand Boundary
- ▨ Selection
- A - Aspen
- B - Paper Birch
- C - Northern White Cedar
- D - Treed Bog
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- H - Hemlock
- L - Lowland Brush
- M - Northern Hardwoods
- Q - Mixed Swamp Conifers
- S - Black Spruce Swamp
- X - Non-Stocked

Stand Boundary Map 36

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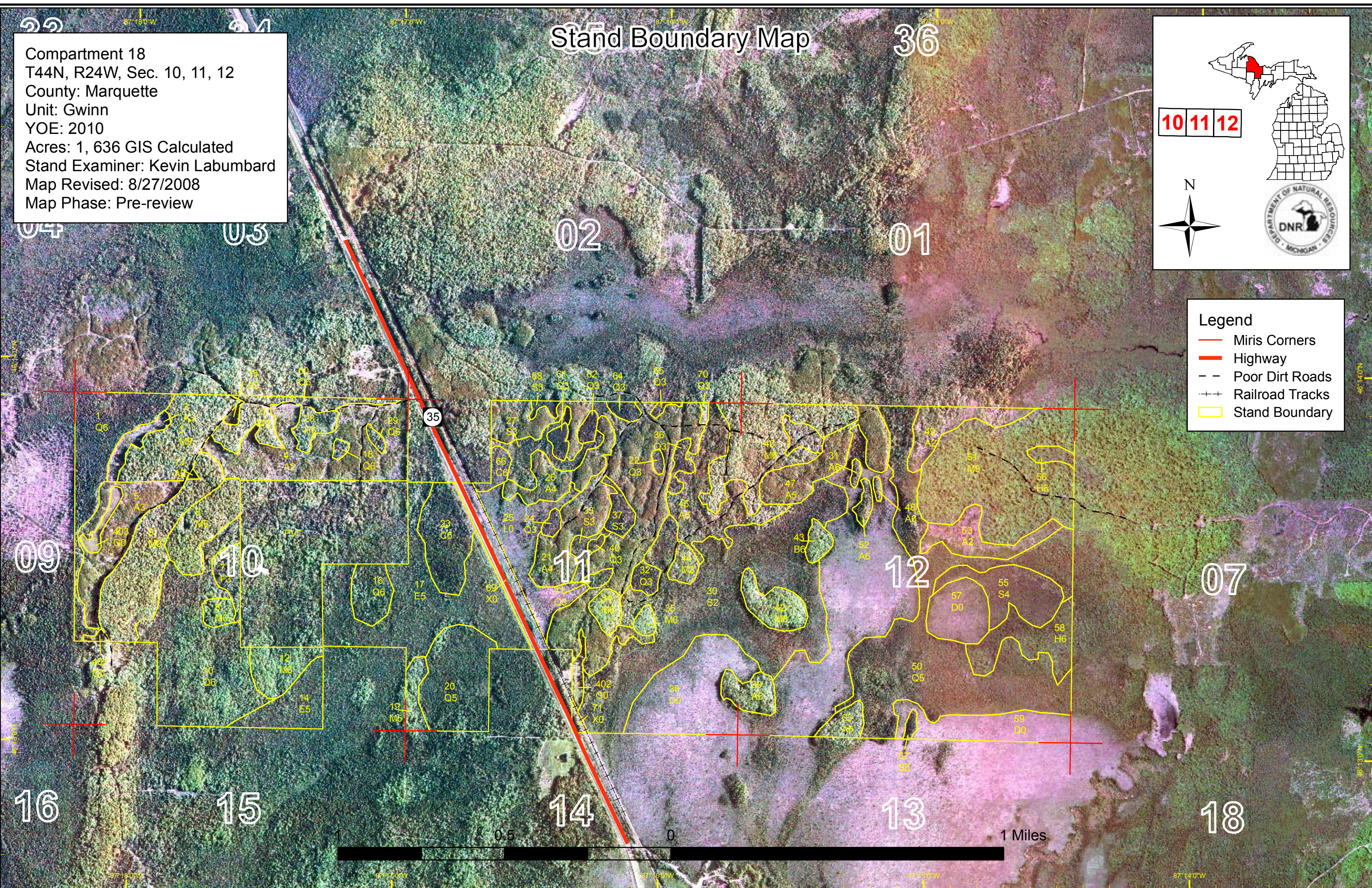


10 11 12



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



- Miris Corners
- Highway
- - Poor Dirt Roads
- ++ Railroad Tracks
- Stand Boundary

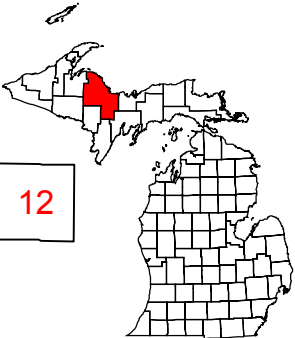


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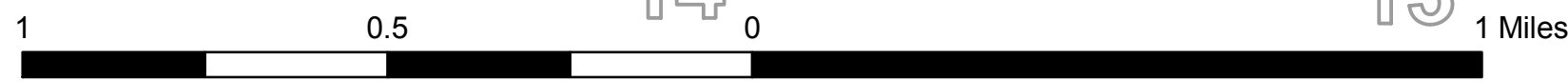
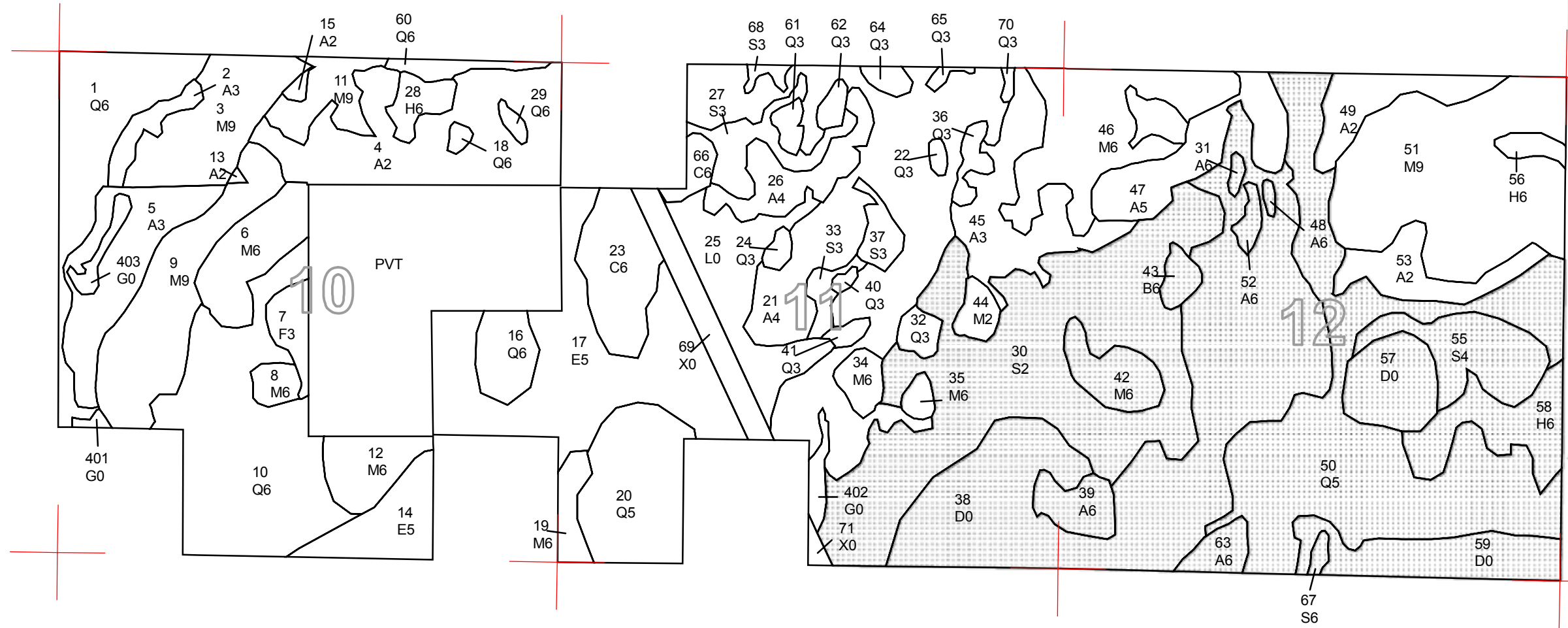
Dedicated & Proposed Special Conservation Area Map

Legend

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



10 11 12

46°14'0"N

46°13'0"N

46°14'0"N

46°13'0"N

87°18'0"W

87°17'0"W

87°16'0"W

87°15'0"W

87°14'0"W

87°18'0"W

87°17'0"W

87°16'0"W

87°15'0"W

87°14'0"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.
SCA		