



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 45 ENTRY YEAR:2010
Compartment acres: 1788 County:Marquette**

Revision Date:7/23/2008

Stand Examiner: John Koski

Legal Description: T44N R25W, Sections 27,28,29

Management Goals: Strive to perpetuate the component of aspen, mixed conifer swamp types, and dry mesic conifers where they now occur.

Soils and topography:Upland, Ranges from level swamps and wetland drainages upland ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment State owned on all sides, except for one "40" in the SE corner of Sec. 27, similar cover type. Land use within the compartment is a mixture of both low key recreation and production of commercial forest products.

Unique, Natural Features: Bob's Creek, and Wilson Creek run through the compartment. Escanaba River borders the east side.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: : SCA-Potential Old Growth stands:18,19,24,25,33,34,35,39,40,41,44,46,51,51,52,53,54,66,67,68,70,71,72,73,74,75,76.

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. Ensure that mature and immature lowland conifer stands and black spruce stands (those stands with a high proportion of non-deciduous conifers, large cone/seed crop potential, closed canopies, minimal edge effect, and persistent dead and live branches creating complex vertical structure) are perpetually present and conserved. Harvested lowland conifer stands and black spruce stands need to be regenerated to a similar relative composition as was found in the canopy pre-harvest. Increased stocking of tamarack in these lowland types as well as non-stocked upland areas are not acceptable in the post-harvest stand.

Mineral Resource and Development Concerns and/or Restrictions: Sections 27 - 29, T44N-R25W, Marquette County

Surface sediments consist of peat and muck. 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 rocks could be used for stone. Gravel pits are not located in this area and potential

appears to be limited. Abandoned iron mines are located five miles to the north. Part of this State land has been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Good to fair to all parts of the compartment, via CR 557, Bobs Creek Truck Trail, and poor dirt roads.

Survey Needs: SE ¼ SW1/4 Sec 29.

Recreational Facilities and Opportunities: Hunting, trapping, ORV, and snowmobile riding.

Fire Protection: Within the Gwinn Mgmt. Unit area of fire protection.

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: 45

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		64	120	118	55	54	2		10										423
Black Spruce										139		45	31						215
Cedar												22	48	48					118
Grass	70																		70
Hemlock										16									16
LowInd Brush	80		22	17															119
Mx Swmp Cnfr												221	332						553
Non Stocked					35														35
Paper Birch												10							10
Red Pine					49		1												50
Spruce Fir		40	9	7					18	16		1							91
Swamp Hrdwds											7								7
Upland Hdwds																		70	70
Water	11																		11
Total	161	104	151	142	139	54	3		28	171	7	299	411	48				70	1788

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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: 45

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	423																										423
S Black Spruce		215																									215
C Cedar				118																							118
G Grass					70																						70
H Hemlock						16																					16
L Lowlnd Brush		24							80										15								119
Q Mx Swmp Cnfr												553															553
X Non Stocked													35														35
B Paper Birch															10												10
R Red Pine															50												50
F Spruce Fir		40																	51								91
E Swamp Hrdwds																			7								7
M Upland Hdwds																								70			70
Z Water																									11		11
Total	423	279		118	70	16			80			553	35		10	50			66	7				70	11	1788	

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **45**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5166 Cds	Hardwood	725 Cds
Hardwood	18 Mbf	Hardwood	5 Mbf
Softwood	14740 Cds	Softwood	3099 Cds
Softwood	217 Mbf	Sum CutVol	3834 Cds
Sum TotVol	20376 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	156
1788			

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 45

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
2	S6	20	86	48	black spruce-swamp	immature	final harvest	2		
comnts Fmd : NICE SPRUCE ON FAIRLY HIGH GROUND. Do not cut the cedar. After the mini-review, the current cutting plan is under further review, and the stand may or may not be cut.										
15	S6	45	86	45	black spruce-swamp	mature	final harvest	3		
comnts Fmd : Part of this stand was cut last treatment period, under permit # 18-00-01, Cut some more of the stand now. After the mini-review, the current cutting plan is under further review, and the stand may or may not be cut.										
21	S6	33	102	41	black spruce-swamp	immature	final harvest	3		
comnts Fmd : STAY ON THE UPLAND WHEN CUTTING STAND. LOW AREAS HAVE SMALLER TREES. After the mini-review, the current cutting plan is under further review, and the stand may or may not be cut.										
42	M6	5		50	northern hardwood	unevenaged	selection	3		
comnts Fmd : M5A4F4, CUT THIS TP WITH STAND 43, Wld : Retain all cedar, hemlock, and white pine. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave at least 50% of the white and black spruce found in stand.										
43	M6	13		57	northern hardwood	unevenaged	selection	3		
comnts Fmd : M5M7B4Q4, CUT THIS TP WITH STAND 42. Wld : Retain all cedar, hemlock, and white pine. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave at least 50% of the white and black spruce found in stand.										
56	S6	39	86	45	black spruce-swamp	mature	final harvest	3		
comnts Fmd : This is a new stand make from old stand 15, Part of this stand was cut last treatment period, under permit # 18-00-01, Cut some more of the stand now. After the mini-review, the current cutting plan is under further review, and the stand may or may not be cut.										
77	M6	1		57	northern hardwood	unevenaged	selection	3		
comnts Fmd : M6M7, CUT WITH STD. TO NORTH IN 2016 Wld : Retain all cedar, hemlock, and white pine. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave at least 50% of the white and black spruce found in stand.										
Total Acres.....		156								

**Proposed Treatments
With Limiting Factors**

Compartment: 45

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:

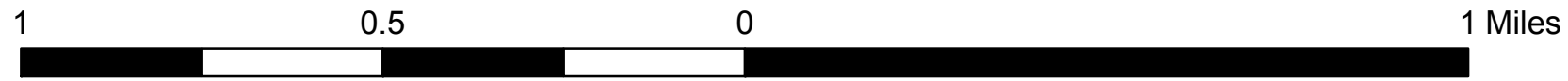
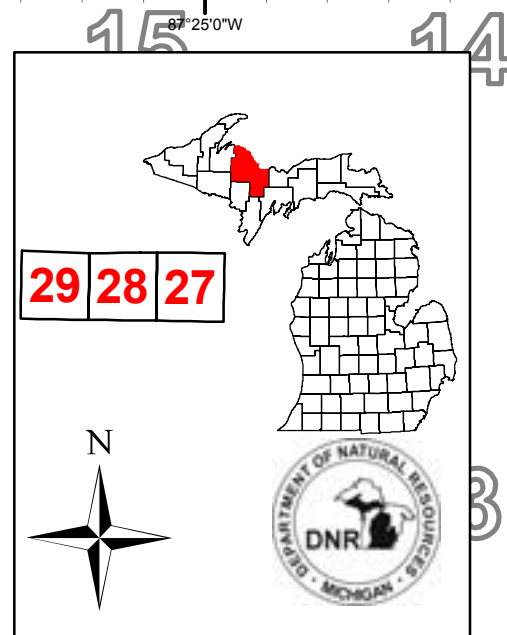
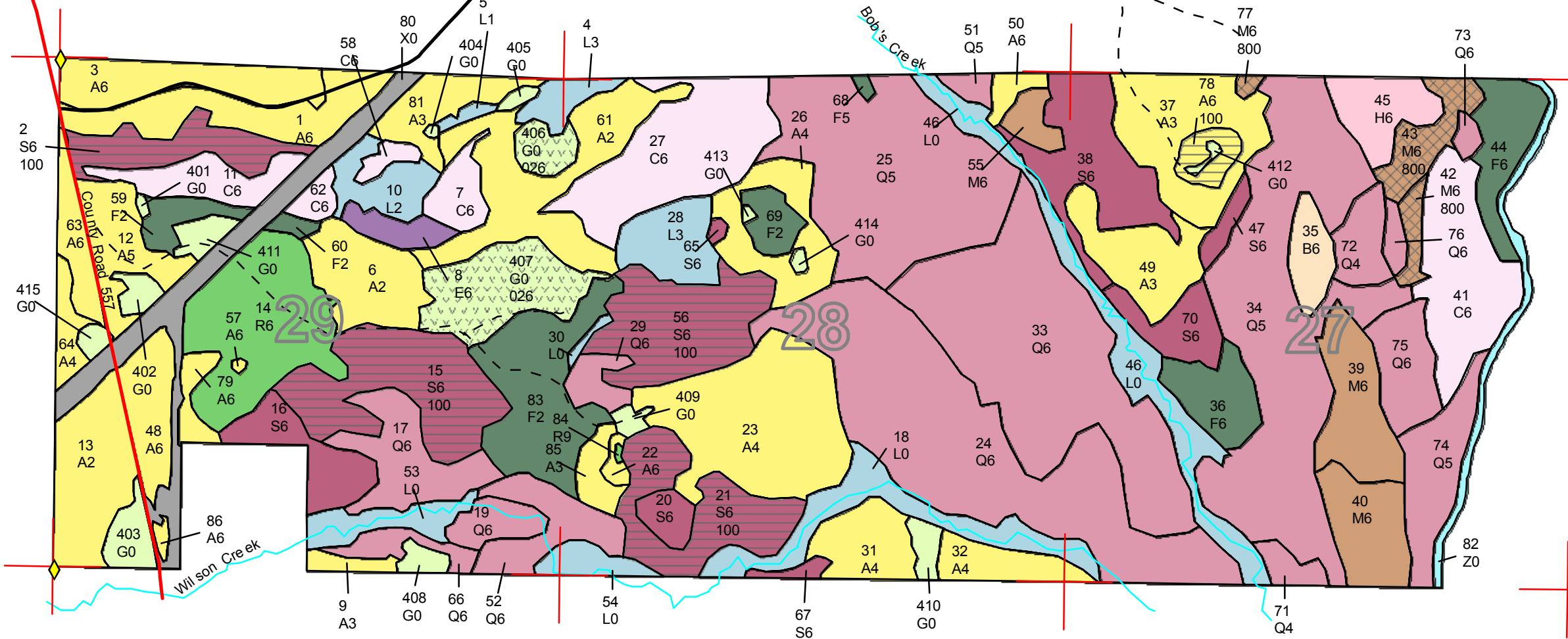
Total Acres..... 0

Compartment 45
 T44N, R25W, Sec. 27-29
 County: Marquette
 Unit: Gwinn
 YOE: 2010
 Acres: 1,788 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/07/2008
 Map Phase: Pre-review

Cover Type and Treatment

Legend

-  RIs Corners
-  Miris Corners
-  County Paved Roads
-  Paved Roads
-  Stand Boundary
-  Water Features
-  Stand Boundary
-  026 - Opening Maintenance
-  100 - Final Harvest
-  800 - Selection
-  A - Aspen
-  B - Paper Birch
-  C - Northern White Cedar
-  E - Swamp Hardwoods
-  F - Upland Spruce or Fir
-  G - Grass
-  H - Hemlock
-  L - Lowland Brush
-  M - Northern Hardwoods
-  Q - Mixed Swamp Conifers
-  R - Red Pine
-  S - Black Spruce Swamp
-  X - Non-Stocked
-  Z - Water



36 31 32 33 34 35

46°10'0"N 87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W 46°12'0"N

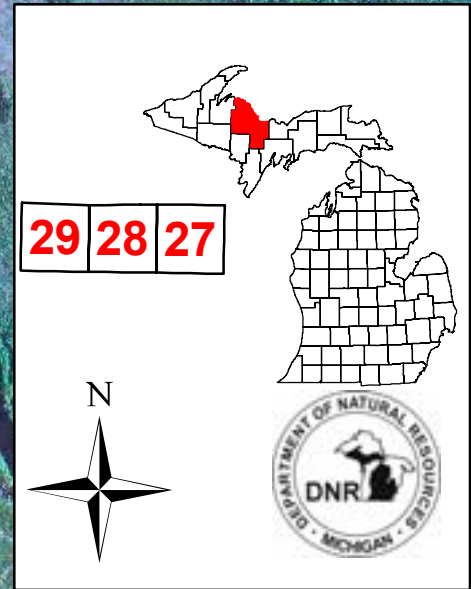
Compartment 45
T44N, R25W, Sec. 27-29
County: Marquette
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Stand Boundary Map

Legend

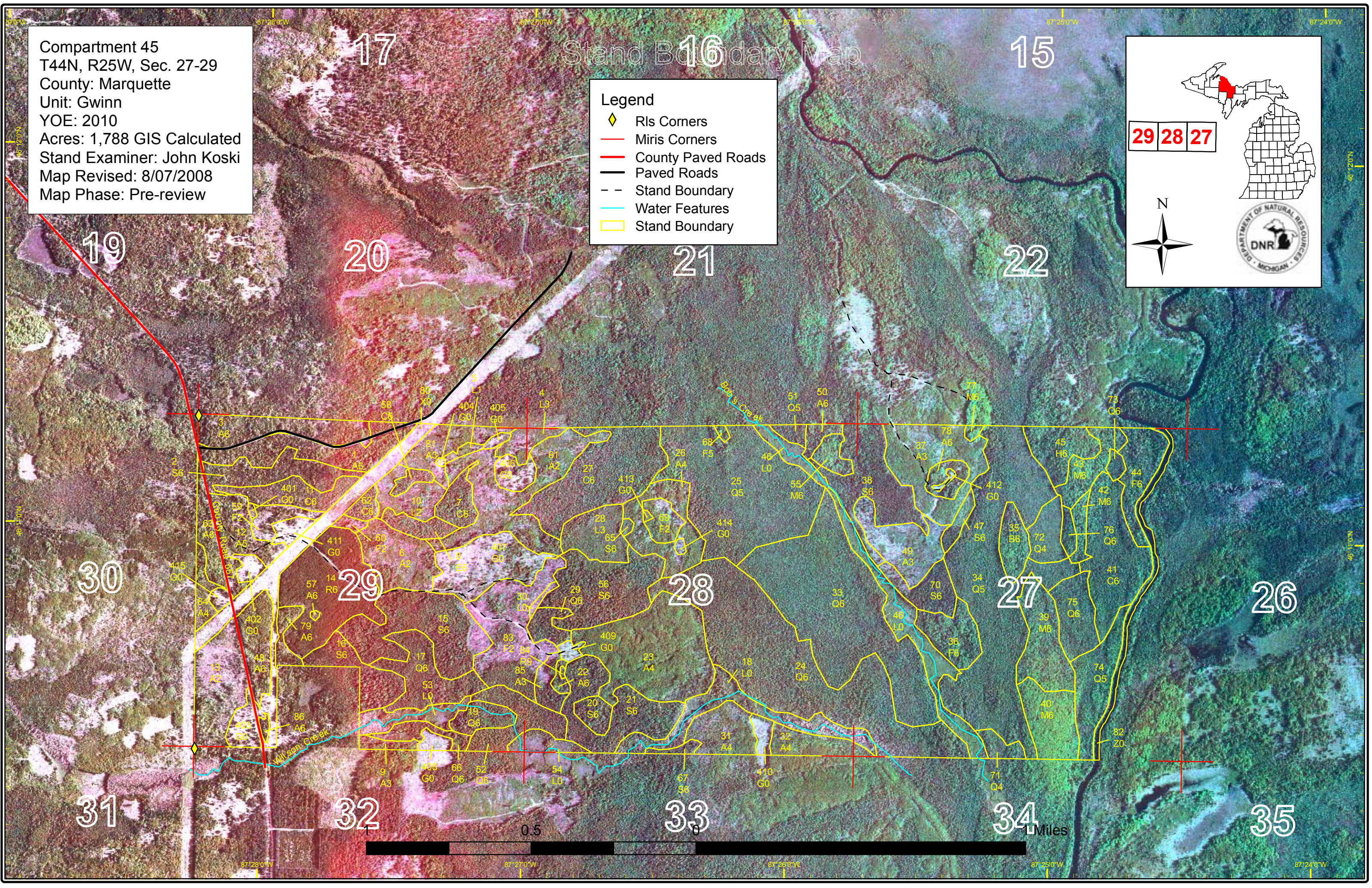
- ◆ RIs Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- - Stand Boundary
- Water Features
- Stand Boundary

29 28 27



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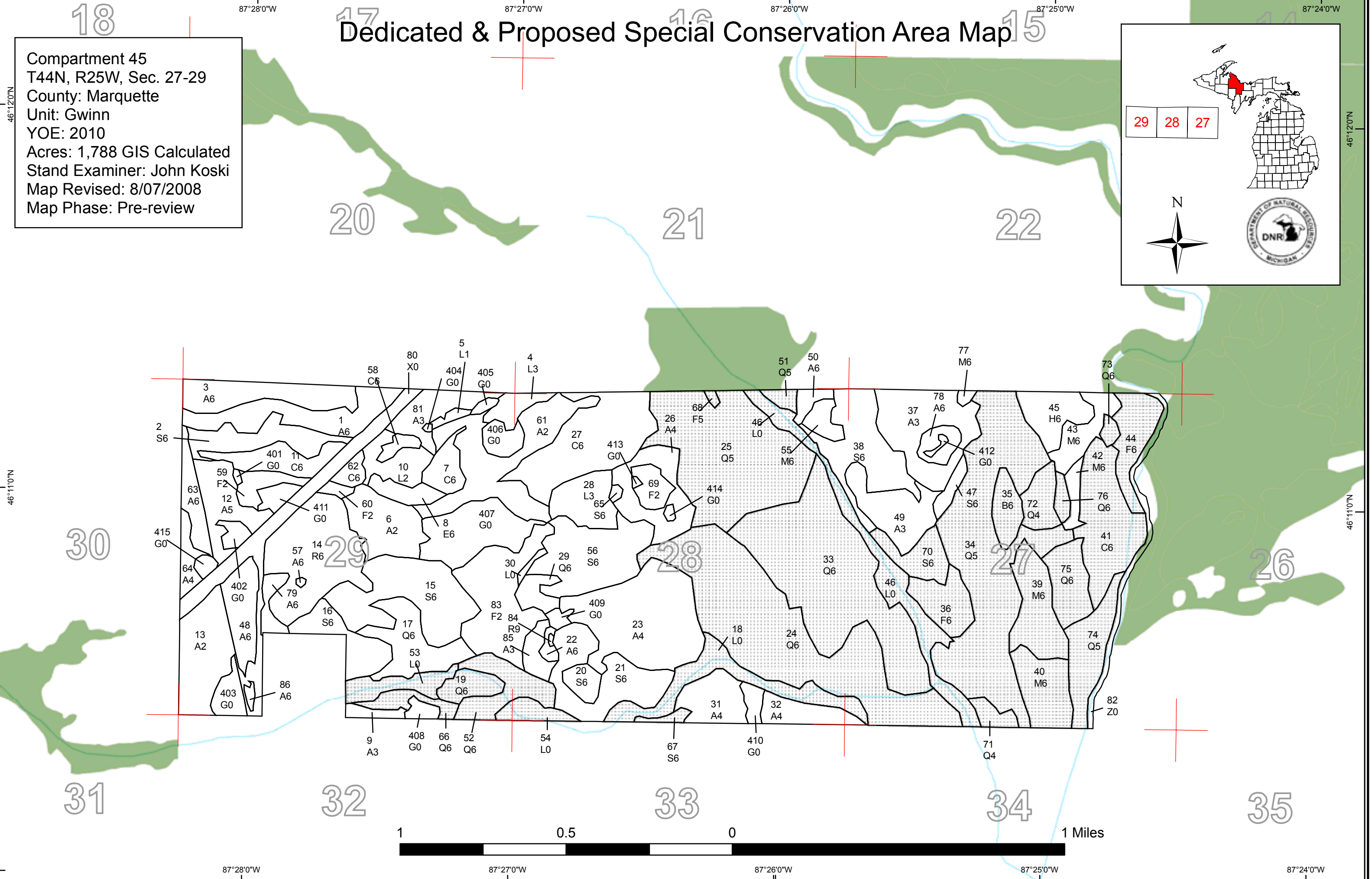
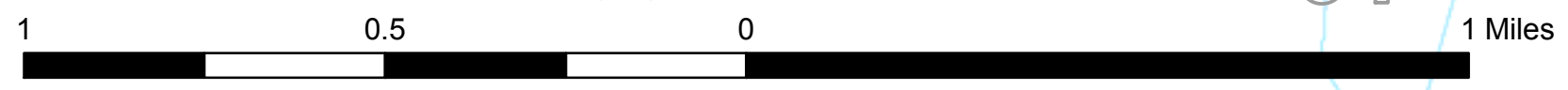
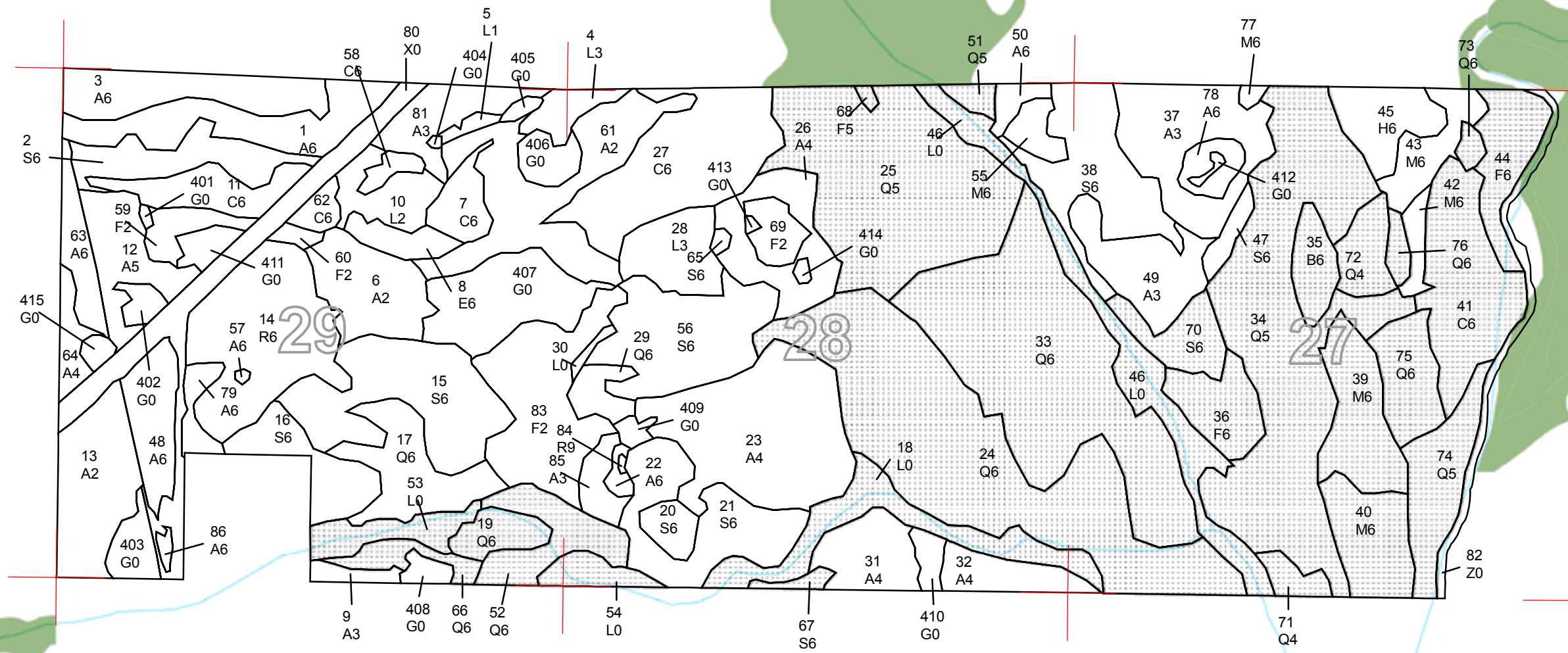
Dedicated & Proposed Special Conservation Area Map

Compartment 45
T44N, R25W, Sec. 27-29
County: Marquette
Unit: Gwinn
YOE: 2010
Acres: 1,788 GIS Calculated
Stand Examiner: John Koski
Map Revised: 8/07/2008
Map Phase: Pre-review

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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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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.