



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 2 ENTRY YEAR: 2011

Compartment Acreage: 1606 County: Marquette

Revision Date: 7/16/09

Stand Examiner: Kevin LaBumbard

Legal Description: T45N R23W Sec's. 21, 22, 28

Management Goals: This compartment lies south of Carlshend (Skandia) with extremely poor access thru corporate and private lands. At this time, access is denied to the general public. It consists of large wetland complexes with hardwood ridges and remote hardwood islands. Management goals of the two scheduled hardwood stands are to improve stem quality and diameter class distribution while maintaining species diversity, conifer content, and den trees. There is a good opportunity to enhance the Mesic conifer composition thru underplanting of hemlock and/or white pine in these stands. Harvest plans will also include considerations for conifer retention, coarse woody debris, and BMP's. Special conservation area stands are included along the primary drainages to protect and enhance the riparian values and wildlife travel corridors. In addition, there are a few upland stands within this large wetland complex that have remained essentially untouched since the turn of the century that contain many special habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and intact natural ecosystem processes/disturbances.

Soils and topography Terrain is primarily flat with rolling uplands, ridges, and islands rising abruptly from the swamps. Soils range from very poorly drained loam to sandy ridges. Major soil associations include: Carbondale/Tawas mucks, Amasa, and the Munising-Skanee Complex.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is entirely surrounded by private and corporate land holdings.

Unique, Natural Features

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations:

Special Conservation Area Stands included: 1,3,5,7,8,10,14,16,20,21,29,31,36-40,42. Stand 10 is the only new addition.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Sections 21, 22, 27, 28 & 33, T45N-R23W, Marquette County

Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried in the UP for dolostone. A gravel pit is located two miles to the east and potential appears to be good on uplands. Abandoned iron mines are located twelve miles to the west. This compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Access to this compartment is restricted through gated private land.

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: 2

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			24																24
Black Spruce													7						7
Cedar												38							38
Grass	14																		14
Lowlnd Brush	177																		177
Mx Swmp Cnfr								62		152		156							370
Spruce Fir										2									2
Swamp Hrdwds										295	111								406
Upland Hdwds									6									562	568
Total	191		24					62	6	449	111	194	7					562	1606

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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: 2

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	24																										24
S Black Spruce		7																									7
C Cedar				38																							38
G Grass					14																						14
L Lowlnd Brush									177																		177
Q Mx Swmp Cnfr												370															370
F Spruce Fir																			2								2
E Swamp Hrdwds																				406							406
M Upland Hdwds																								568			568
Total	24	7		38	14				177			370							2	406				568			1606

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 2

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8947 Cds	Hardwood	412 Cds
Hardwood	1895 Mbf	Hardwood	62 Mbf
Softwood	5935 Cds	Sum CutVol	536 Cds
Softwood	49 Mbf		
Sum TotVol	18770 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1606		92	

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 2

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
24	M9	67		58	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment

comnts Fmd : Last harvested in 1996 the stand is ready for another selection cut. The stand is made up of primarily sugar maple, cherry, and a few very large yellow birch with soft maple along the transition zones.. Cutting will occur in all size classes removing the high risk, defective and suppressed trees. Most of the cherry and yellow birch will be retained, along with scattered wildlife trees and any conifers. Within the stand are 3 small pockets of aspen saplings.

Wld : Cut no Hemlock, Cedar, or White pine if it exists in stand.

Total Acres..... 67

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
27	M6	25		55	northern hardwood	unevenaged	selection	3		prescribed for fdf treatment

TREATMENT LIMITING FACTORS: Land survey needed

comnts Fmd : FDF MARGINAL ACCESS. HOLD OFF UNTIL STAND18 IS READY TO CUT. 2009-Good quality hardwoods growing on sandy ridge. Access is somewhat restricted by a lengthy access road and steep logging conditions. Species consist of mixed hardwoods, primarily sugar maple, cherry, red maple. Occasional conifer especially along the transition zone. Within stand retention will include cherry, hemlock, cedar, white pine, as well as the residual hardwoods. Sale prep for this stand will require an extensive line running project.

Wld : Cut no Hemlock, Cedar, or White Pine if it exists in stand.

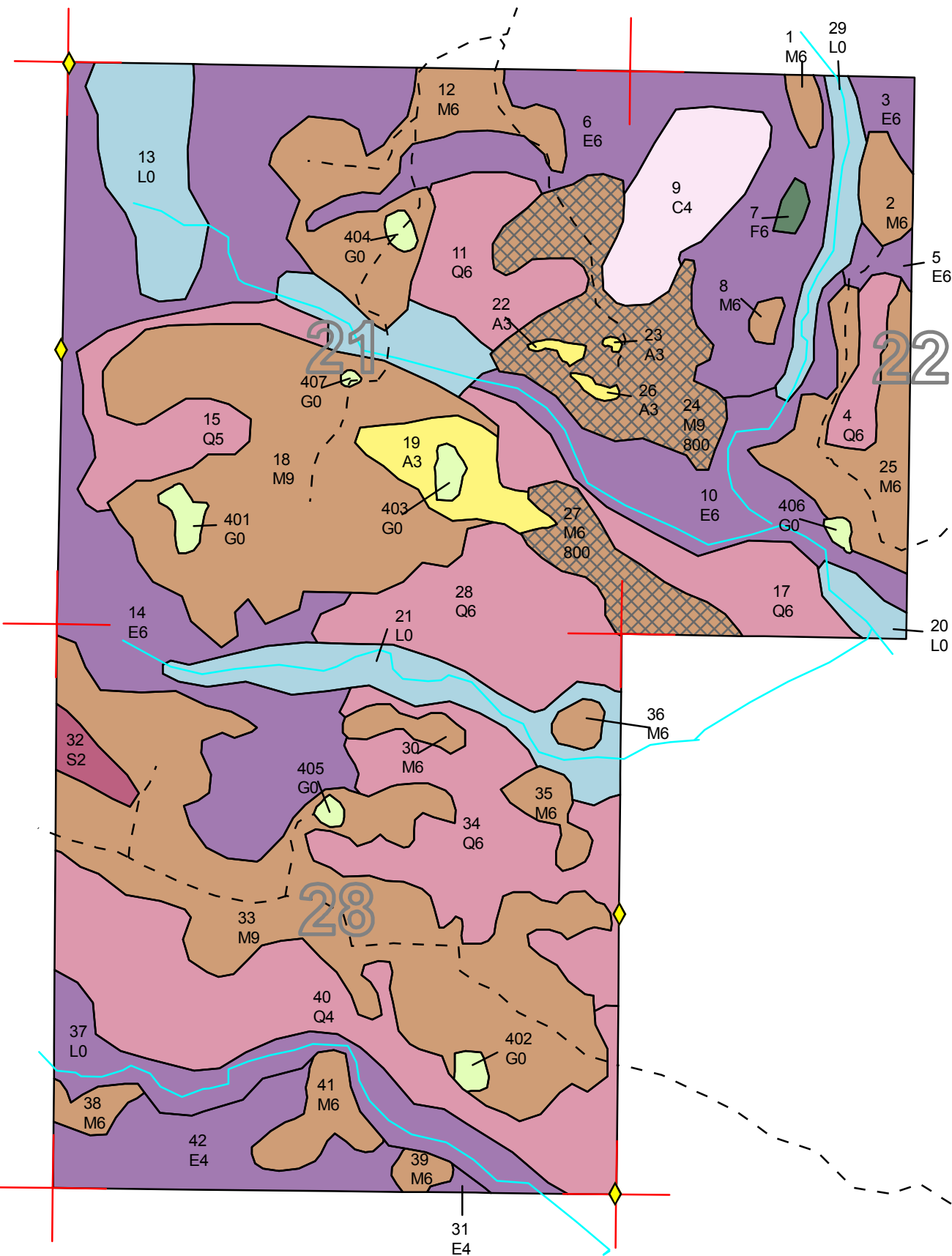
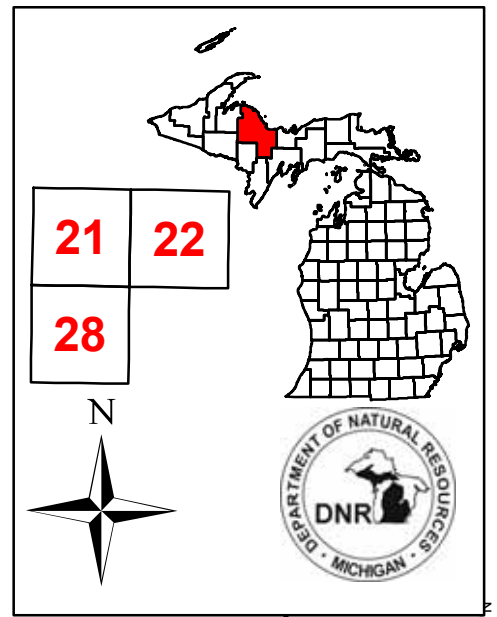
Total Acres..... 25

Covertime & Treatment Map

Compartment 2
 T45N, R23W, Sec. 21, 22, 28
 County: Marquette
 Unit: Gwinn
 YOE: 2011
 Acres: 1,606 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 8/24/2009
 Map Phase: Pre-review

Legend

-  Remonumented Survey Corners
-  Miris Corners
-  Paved Roads
-  Poor Dirt Roads
-  Water Features
-  Stand Boundary
-  800 - Selection
-  A - Aspen
-  C - Northern White Cedar
-  E - Swamp Hardwoods
-  F - Upland Spruce or Fir
-  G - Grass
-  L - Lowland Brush
-  M - Northern Hardwoods
-  Q - Mixed Swamp Conifers
-  S - Black Spruce Swamp



87°12'0"W 87°11'0"W 87°10'0"W

46°18'0"N

46°17'0"N

46°16'0"N

46°18'0"N

46°17'0"N

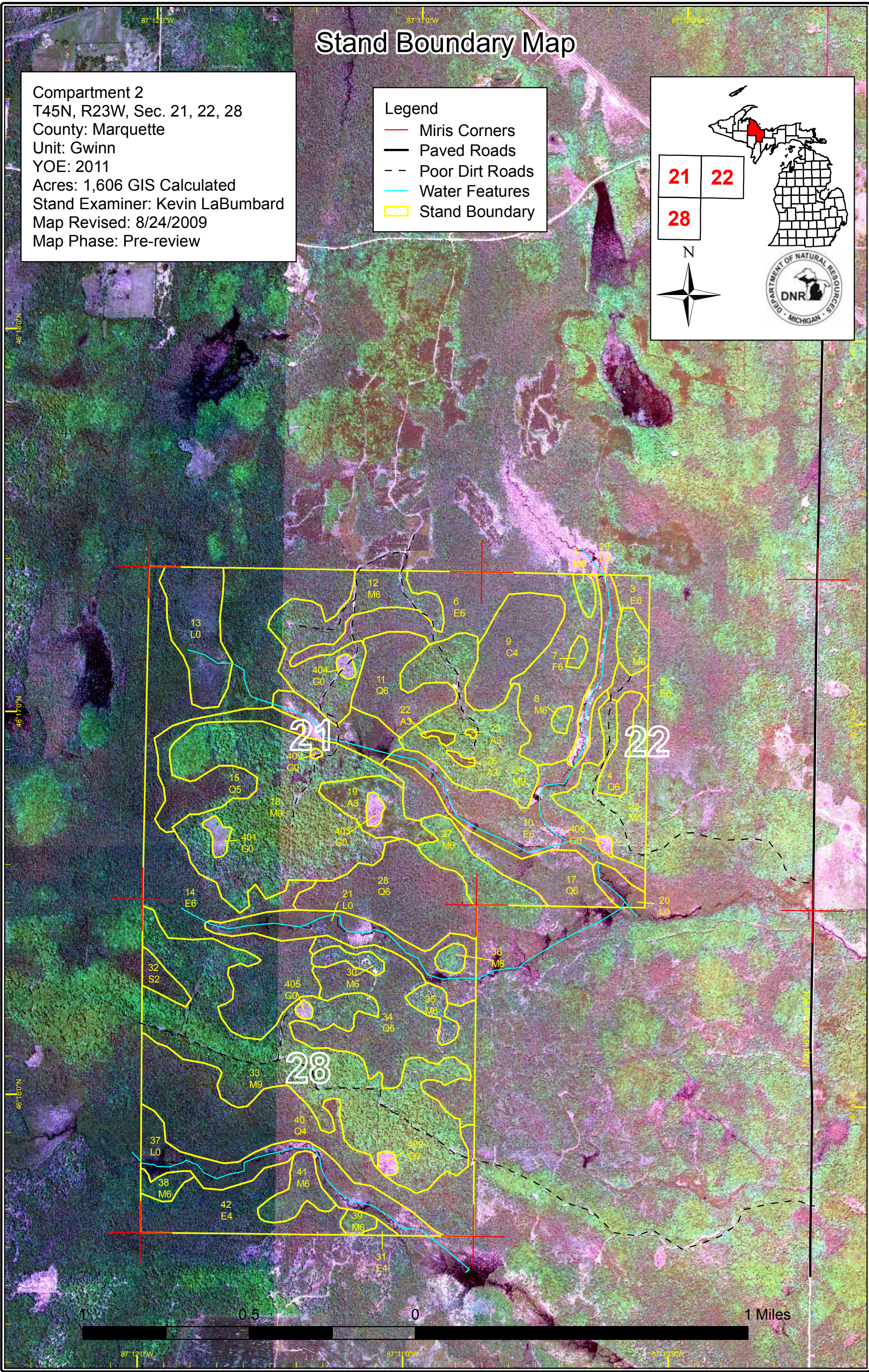
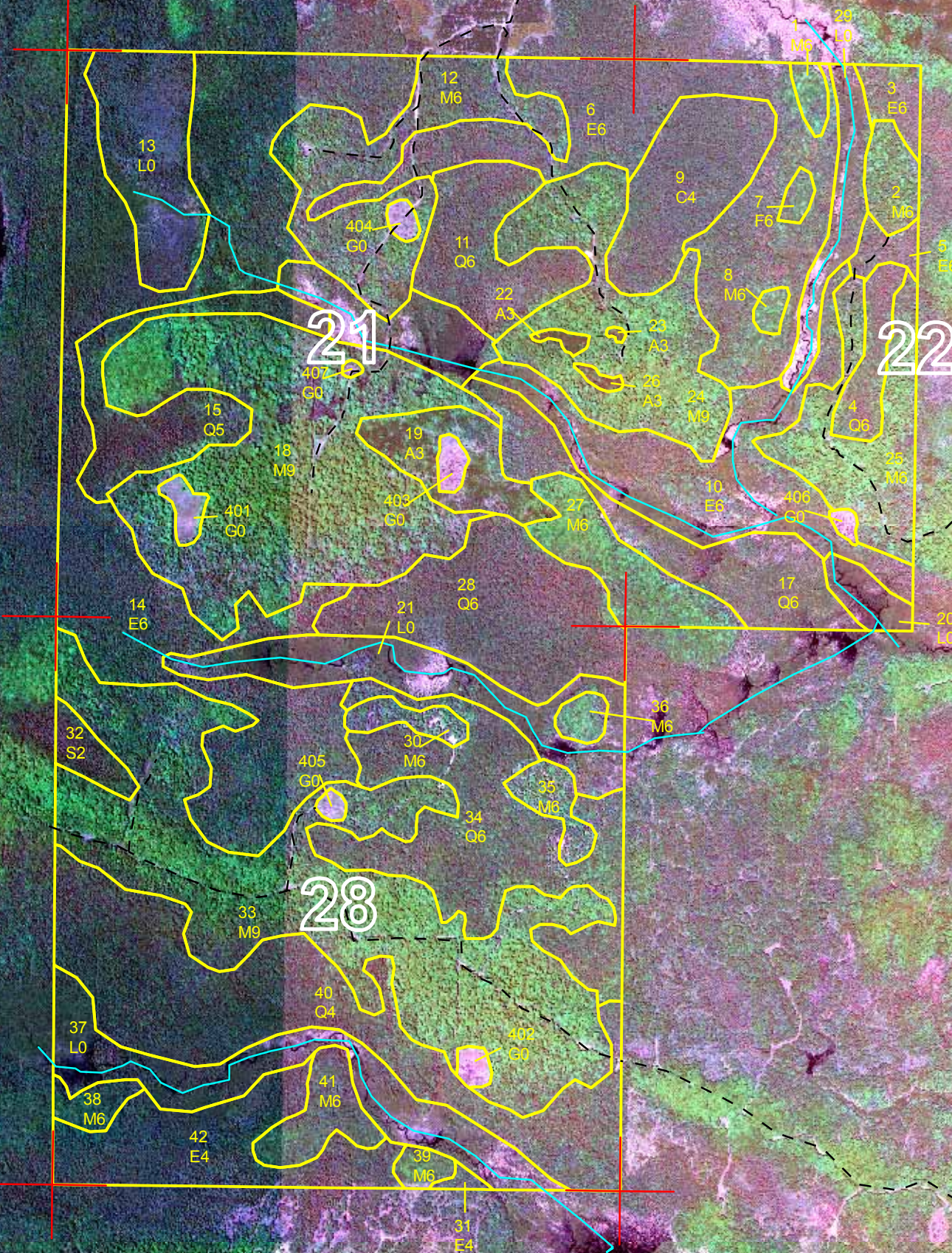
46°16'0"N

Stand Boundary Map

Compartment 2
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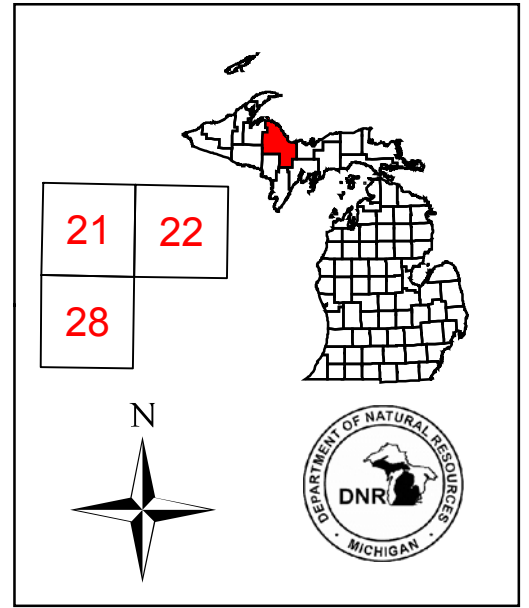
- Legend**
- Miris Corners
 - Paved Roads
 - - Poor Dirt Roads
 - Water Features
 - Stand Boundary

N



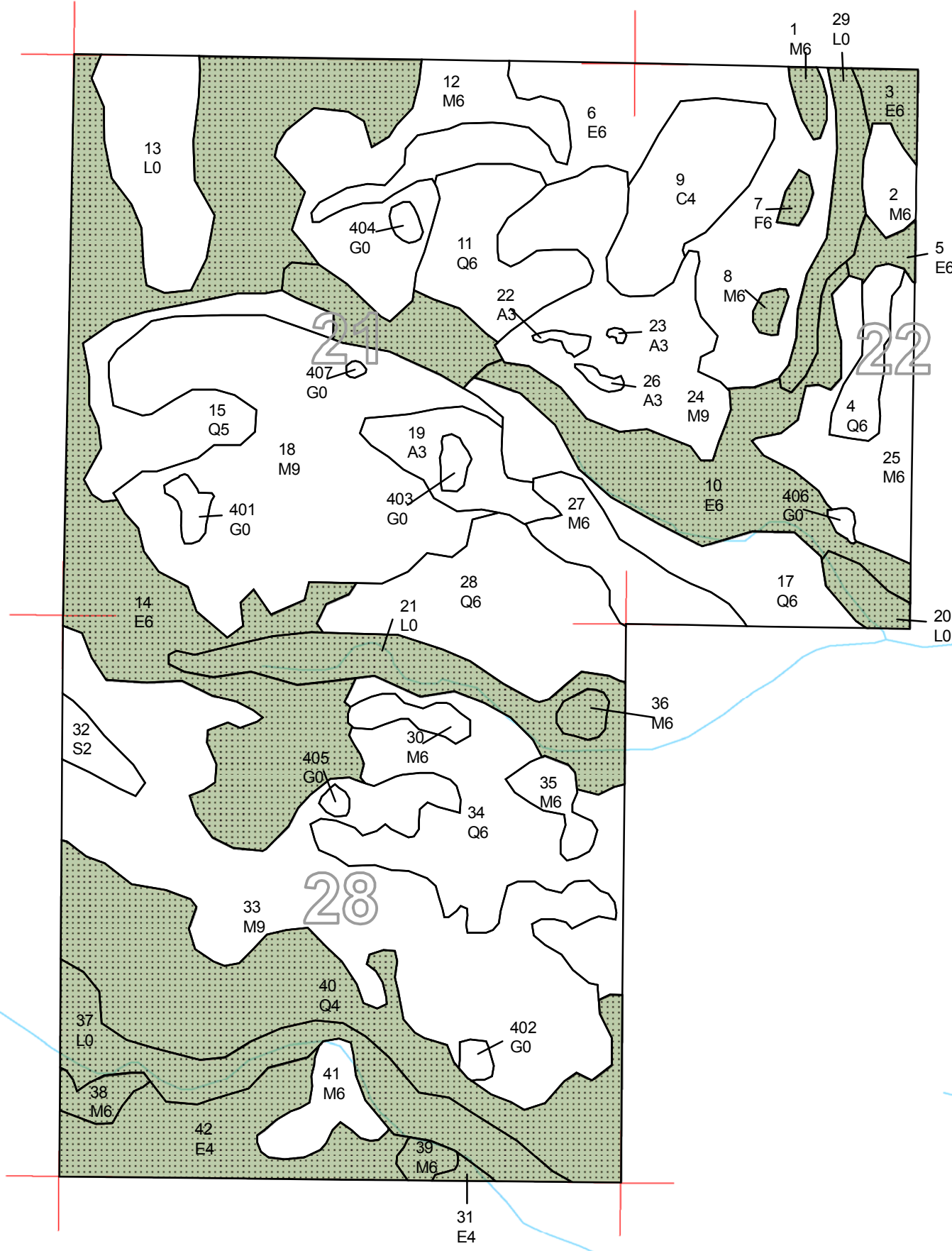
Dedicated & Proposed Special Conservation Area Map

Compartment 2
 T45N, R23W, Sec. 21, 22, 28
 County: Marquette
 Unit: Gwinn
 YOE: 2011
 Acres: 1,606 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 8/24/2009
 Map Phase: Review



Legend

- Miris Corners
- Stand Boundary
- Proposed - Special Conservation Areas
- Dedicated Special Conservation Areas
- Cold Water Streams
- OI Special Conservation Areas



87°12'0"W 87°11'0"W 87°10'0"W

46°18'0"N

46°17'0"N

46°16'0"N

46°18'0"N

46°17'0"N

46°16'0"N



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.