



**GWINN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 19 ENTRY YEAR: 2011

Compartment Acreage: 1330 County: Marquette

Revision Date: 7/16/09

Stand Examiner: Kevin LaBumbard

Legal Description: T44N R24W Sec's. 13, 14, 15

Management Goals: This compartment lies just northwest of McFarland near the old Helena railroad junction. It consists of large wetland complexes with hardwood ridges and sand eskers which barely support poor quality aspen. Access is extremely limited with Parker Spur the only decent road located south of the compartment. Only one hardwood stand is prescribed although access will be an issue. The management goals for this stand are to improve stem quality and diameter class distribution while maintaining species diversity, conifer content, and den trees. Mesic conifer composition could be enhanced thru under planting of hemlock and/or white pine in these stands. The harvest plans will also include considerations for conifer retention, coarse woody debris, and BMP's. Special conservation area stands are included in the large wetland complexes.

Soils and topography Terrain is flat to gently rolling; generally swampland to the east with more upland terrain to the west. 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: 28

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Sections 13 - 15, 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 no gravel pits in the area, and potential appears to be limited. 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: Access is fair from Parker Spur to the south and M35.

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: 19

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		43	22		77			8											150
Black Spruce									48	18									66
Cedar										19	82								101
Grass	4																		4
Lowlnd Brush	140																		140
Marsh	25																		25
Mx Swmp Cnfr									40				79						119
Non Stocked	22																		22
Paper Birch									1										1
Spruce Fir			14						3										17
Swamp Hrdwds									45		30								75
Treed Bog	481																		481
Upland Hdwds			16															108	124
Water	5																		5
Total	677	43	52		77			8	137	37	112		79					108	1330

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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	150																										150
S Black Spruce		66																									66
C Cedar				101																							101
G Grass					4																						4
L Lowlnd Brush									140																		140
N Marsh											25																25
Q Mx Swmp Cnfr												119															119
X Non Stocked													22														22
B Paper Birch															1												1
F Spruce Fir																			17								17
E Swamp Hrdwds																			75								75
D Treed Bog																						481					481
M Upland Hdwds																								124			124
Z Water																									5		5
Total	150	66		101	4				140		25	119	22		1				17	75		481		124	5		1330

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **19**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2559 Cds	Hardwood	182 Cds
Hardwood	72 Mbf	Sum CutVol	182 Cds
Softwood	3372 Cds		
Softwood	55 Mbf		
Sum TotVol	6185 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	19
	1330		

**Proposed Treatments
With NO Limiting Factors**

Compartment: 19

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
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Total Acres..... 0

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDL Status
1	M6	19		58	northern hardwood	unevenaged	selection	2		

TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : Fair quality hardwood with scattered white spruce, hemlock, and yellow birch. The harvest plan will retain these minor species. Access is poor thru private lands, with frozen winter the only logging option.

Wld : Retain hemlock, white pine, black cherry, and yellow birch if it exists in stand, and buffer transitional zones near lowland edges to maintain wildlife movement areas.

Total Acres..... 19

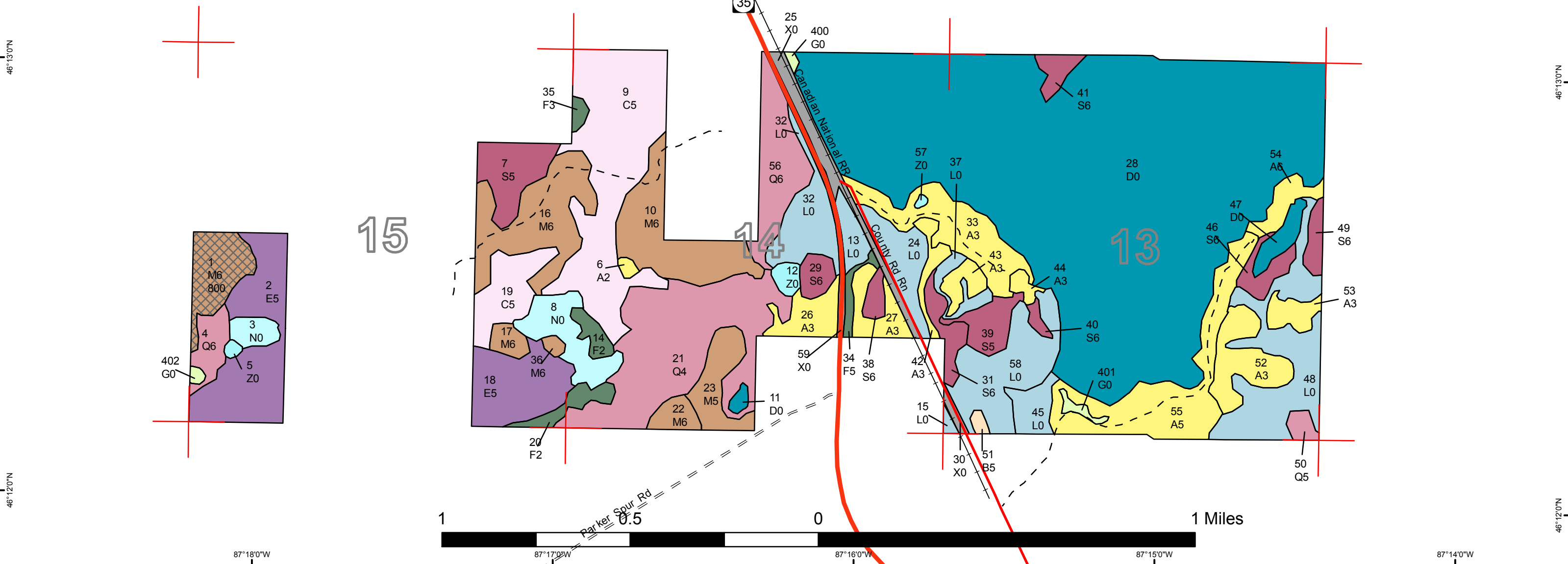
Compartment 19
 T44N, R24W, Sec. 13, 14, 15
 County: Marquette
 Unit: Gwinn
 YOE: 2011
 Acres: 1,330 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 5/21/2009
 Map Phase: Pre-review

Covertypes & Treatment Map

Legend

	Miris Corners		A - Aspen
	Highways		B - Paper Birch
	County Paved Roads		C - Northern White Cedar
	Gravel Roads		D - Treed Bog
	Poor Dirt Roads		E - Swamp Hardwoods
	Railroads		F - Upland Spruce or Fir
	State Highway		G - Grass
	Stand Boundary		L - Lowland Brush
	800 - Selection		M - Northern Hardwoods
			N - Marsh
			Q - Mixed Swamp Conifers
			S - Black Spruce Swamp
			X - Non-Stocked
			Z - Water

15 14 13



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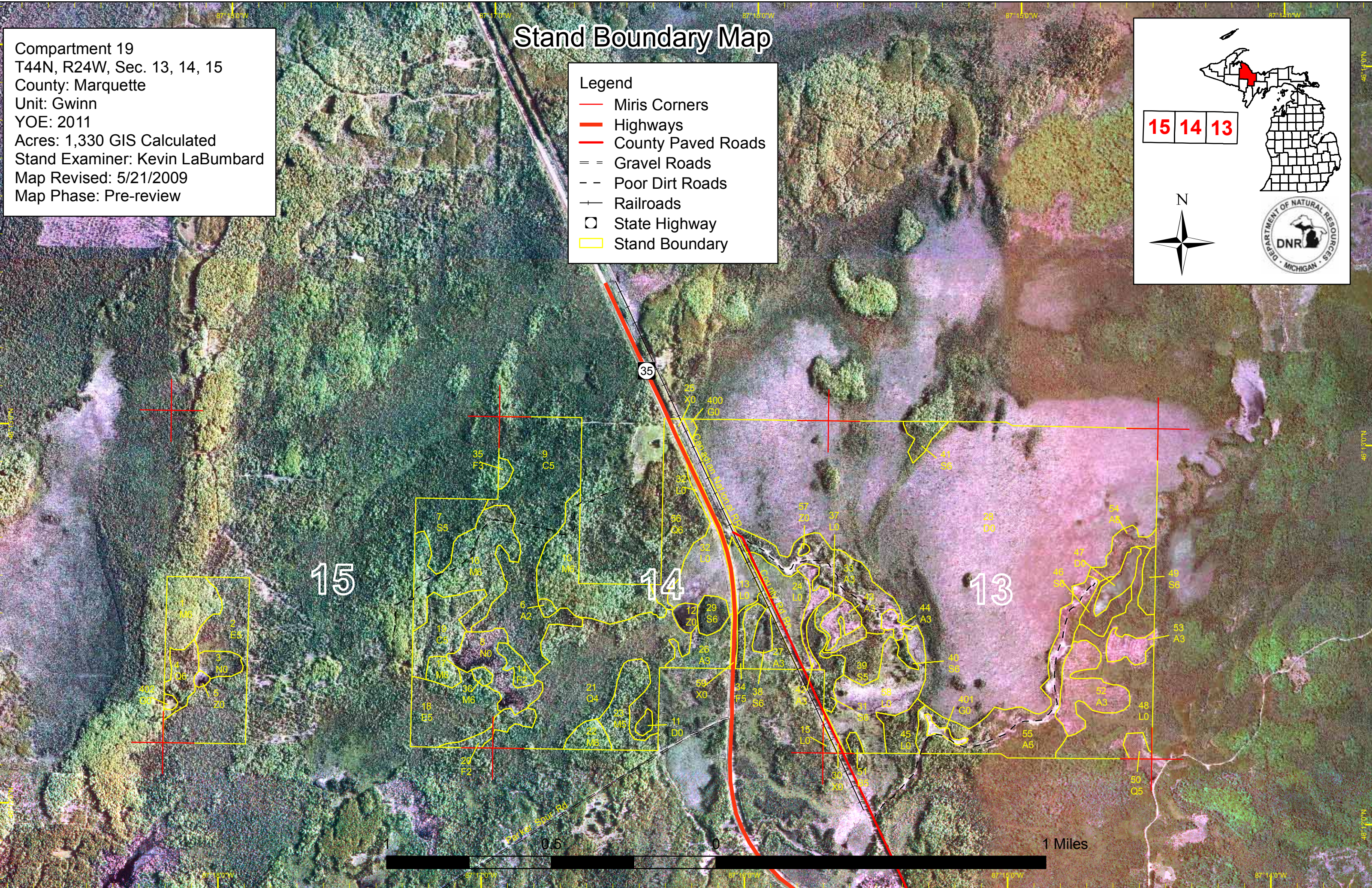
Stand Boundary Map

- Legend**
- Miris Corners
 - Highways
 - County Paved Roads
 - = Gravel Roads
 - - Poor Dirt Roads
 - Railroads
 - State Highway
 - Stand Boundary

15 14 13

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DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN



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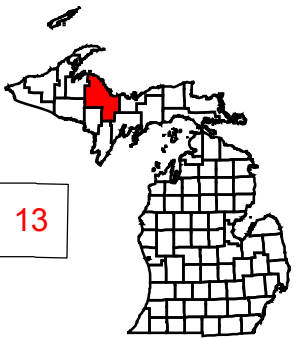
1 Miles

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Dedicated & Proposed Special Conservation Area Map

Legend



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

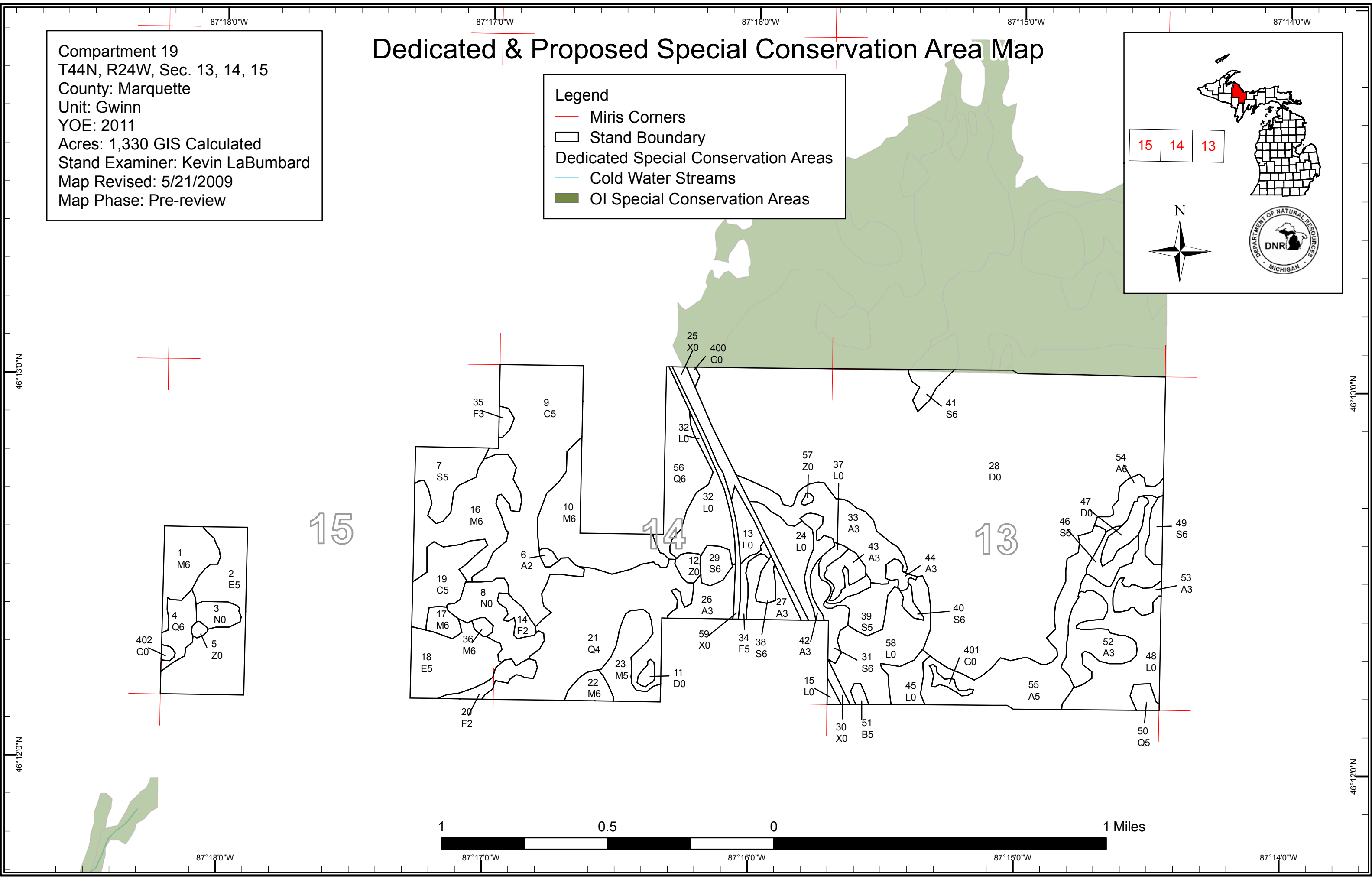
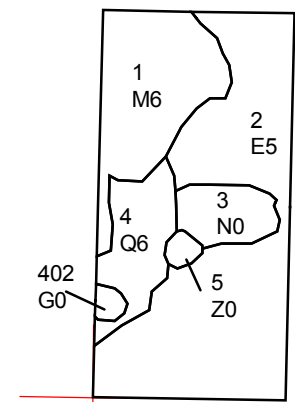
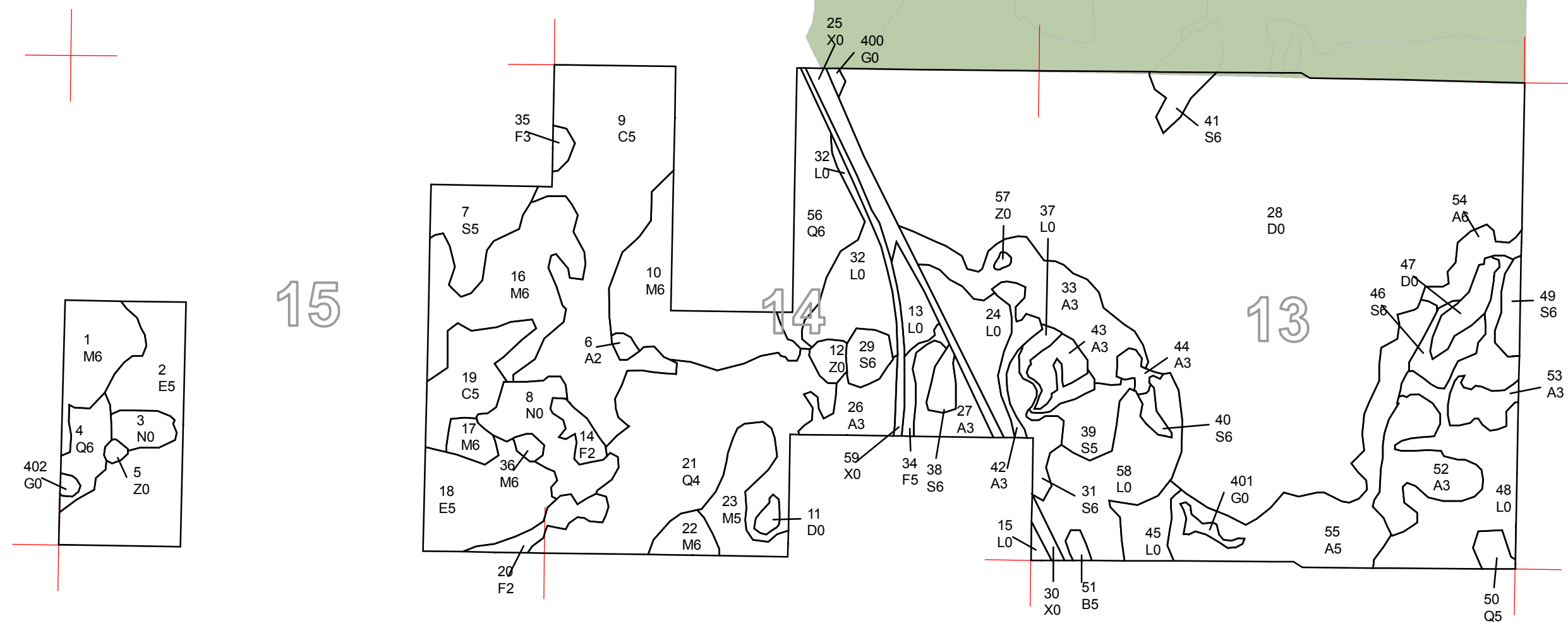


15

14

13





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.