



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 98 Entry Year: 2011
Compartment Acreage: 1729 County: Alger**

Revision Date: 8/13/2009

Stand Examiner: John M. Koski

Legal Description: T45N, R21W, Sec.10,11,13,14,15

RMU (if applicable):

Management Goals: Strive to perpetuate the component of aspen, mixed northern hardwoods, and dry mesic conifers where they now occur. One grass open area is sharecropped under permit to benefit wildlife.

Soil and Topography: Area is flat drainages changing to gently rolling uplands to steep hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Year round residences and seasonal camps. Some farm activity.

Unique, Natural Features: Johnson Creek, and Bohemian Creek run through the compartment.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: SCA stands:
14,32,34,38,39,40,65,66,92,100,105,102,11,103,99,96,83,104,405

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions Surface sediments consist of medium-textured glacial till, and glacial outwash sand & gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried in the UP for dolostone. A gravel pit is located in Section 22 and potential appears to be good on uplands. Abandoned iron mines are located twenty 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: Very good throughout the compartment via, Loud Spur, Johnson Creek, Cold Spring Roads, and a good two track through Sec. 13, that runs along Autrain Basin.

Survey Needs:

Recreational Facilities and Opportunities: Hunting, fishing.

Fire Protection: Within Gwinn Management Unit protection area.

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

ALGER COUNTY

COMPARTMENT: 98

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																All Aged	Total
		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		
Aspen		27	149	262	122		4		20										584
Grass	158																		158
Lowlnd Brush	87																		87
Marsh	6																		6
Mx Swmp Cnfr				16						7	18								41
Non Stocked	1																		1
Swamp Hrdwds								26		40									66
Upland Brush	1																		1
Upland Hdwds							126	21										604	751
Water	39																		39
Total	292	27	149	278	122		130	47	20	47	18							604	1729

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: 98

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	584																										584
G Grass					158																						158
L Lowlnd Brush									87																		87
N Marsh											6																6
Q Mx Swmp Cnfr												41															41
X Non Stocked													1														1
E Swamp Hrdwds																			66								66
U Upland Brush																								1			1
M Upland Hdwds																								751			751
Z Water																									39		39
Total	584				158				87		6	41	1						66				1	751	39		1729

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

ALGER COUNTY

COMPARTMENT: **98**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	17146 Cds	Hardwood	1257 Cds
Hardwood	609 Mbf	Softwood	112 Cds
Softwood	962 Cds	Sum CutVol	1369 Cds
Sum TotVol	19326 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	114
	1729		

GWINN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 98

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
6	A6	4	50	80	aspen (upland)	immature	final harvest	2		
<p>comnts Fmd : A5M4, Cut this treatment period. Aspen is dying out. Some basswood and hard maple and fir in stand. Make sure the hay field, G-opening, #410, is not disturbed during the time of the timber sale. Access should be along the south and west edge of the opening.</p> <p>Wld : Clearcut scheduled for this stand. Adjacent wildlife opening is sharecropped for opening maintenance as part of the "AuTrain Waterfowl Project". Fields are open to public hunting by foot traffic only. Coordinate with WLD upon setting up this sale as to not interfere with the spreading of fertilizer or actual sharecropping operations in adjacent field.</p>										
22	M6	74	52	60	northern hardwood	low quality	selection	2		
<p>comnts Fmd : M6A4F4, Aspen stand converted to poor hardwood. Select cut this time and leave all cedar, hemlock, red and white pine, black cherry, also leave some large aspen, spruce, along with the mixed hardwoods. Along the west edge of the stand between the L-type, and the main stand, a buffer will be left for a wildlife corridor.</p>										
23	M6	31	53	80	northern hardwood	mature	selection	2		
<p>comnts Fmd : M5A5F4, Aspen stand converted to hardwood, some big aspen still standing, but a lot have blown over. Stand will be select cut, with a residual of a diverse variety of species.</p>										
51	A5	5	73	70	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : A5M4, Cut this treatment period. Some of the aspen is dying.</p>										
410	G0	73		80	grass	nonstocked		0	opening maintenance	
<p>Wld : Travis 9/14/06 - Sharecropper field - Bartlett spreads fertilizer in spring that wildlife purchases, and ensures that grass is between 6" and 8" on Sept 1st so as to provide appealing forage to migrating waterfowl. Bartlett mows and bales hay. Gate leading to field is closed on Sept. 1st, and re-opened Nov 10th. each year. Opening is surrounded by private fields to the north, and a wetland complex to south. This field is managed as part of the AuTrain Waterfowl Project. No decking of trees allowed in field, and timing of adjacent timber harvests should be scheduled around sharecropping activities.</p>										

Total Acres..... 187

**Proposed Treatments
With Limiting Factors**

Compartment: 98

Entry Year: 2011

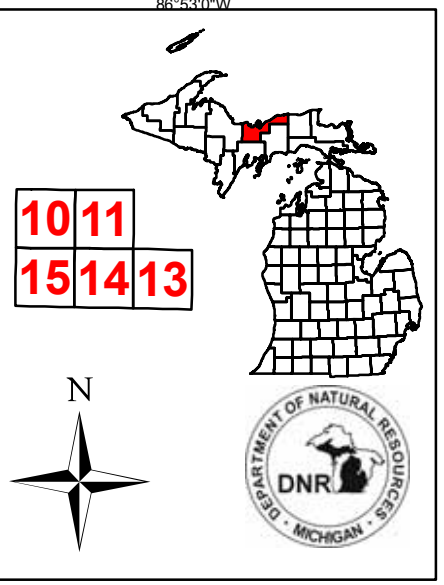
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

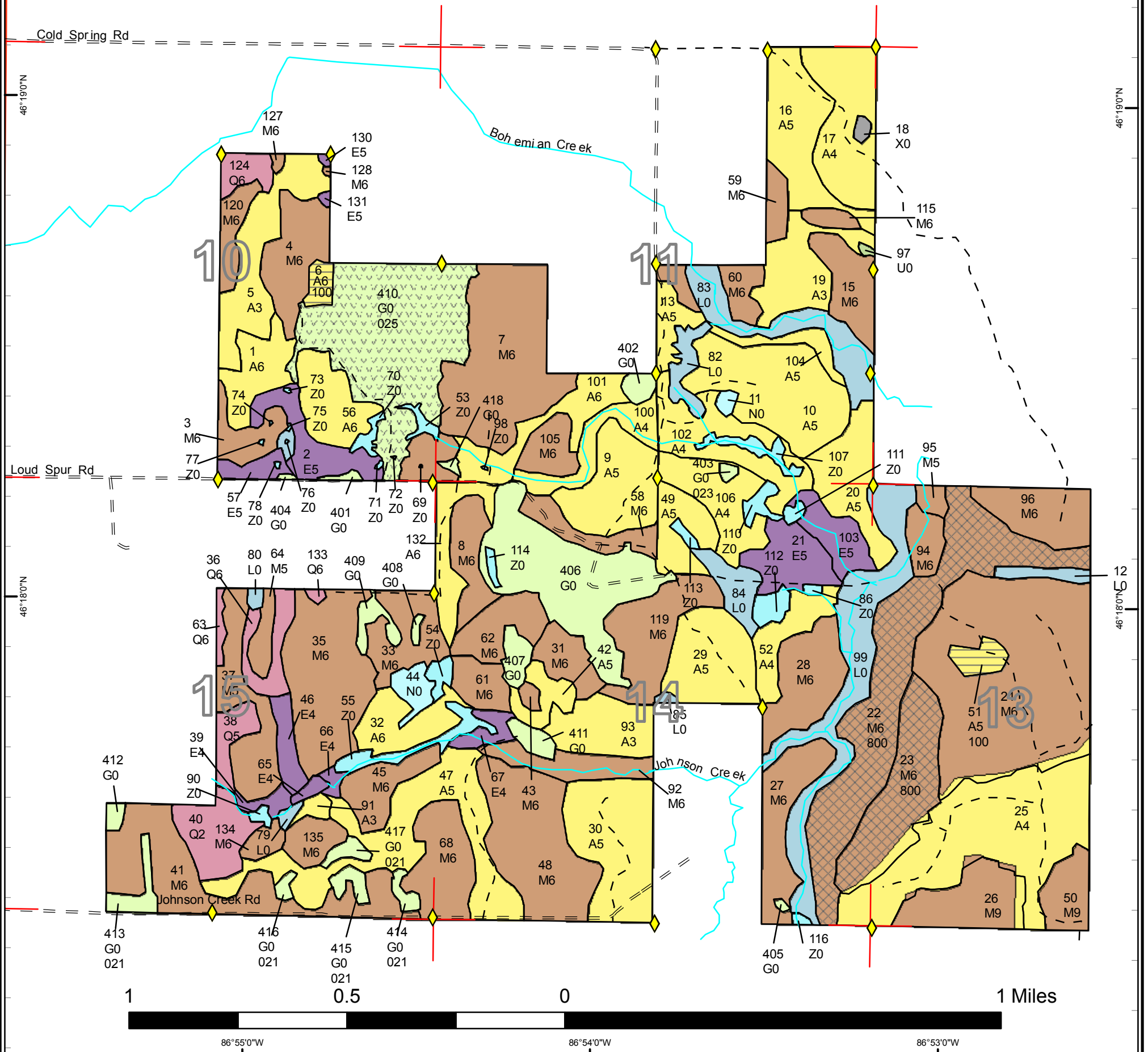
Covertime & Treatment Map

Compartment 98
 T45N, R21W, Sec. 10, 11, 13, 14, 15
 County: Alger
 Unit: Gwinn
 YOE: 2011
 Acres: 1,729 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/25/2009
 Map Phase: Pre-review



Legend

- ◆ Rls Corners
- Miris Corners
- Highway
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- 025 - Opening Maintenance/Mechanical, Other
- 100 - Final Harvest
- 800 - Selection
- A - Aspen
- E - Swamp Hardwoods
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- Q - Mixed Swamp Conifers
- U - Upland Brush
- X - Non-Stocked
- Z - Water



Stand Boundary Map

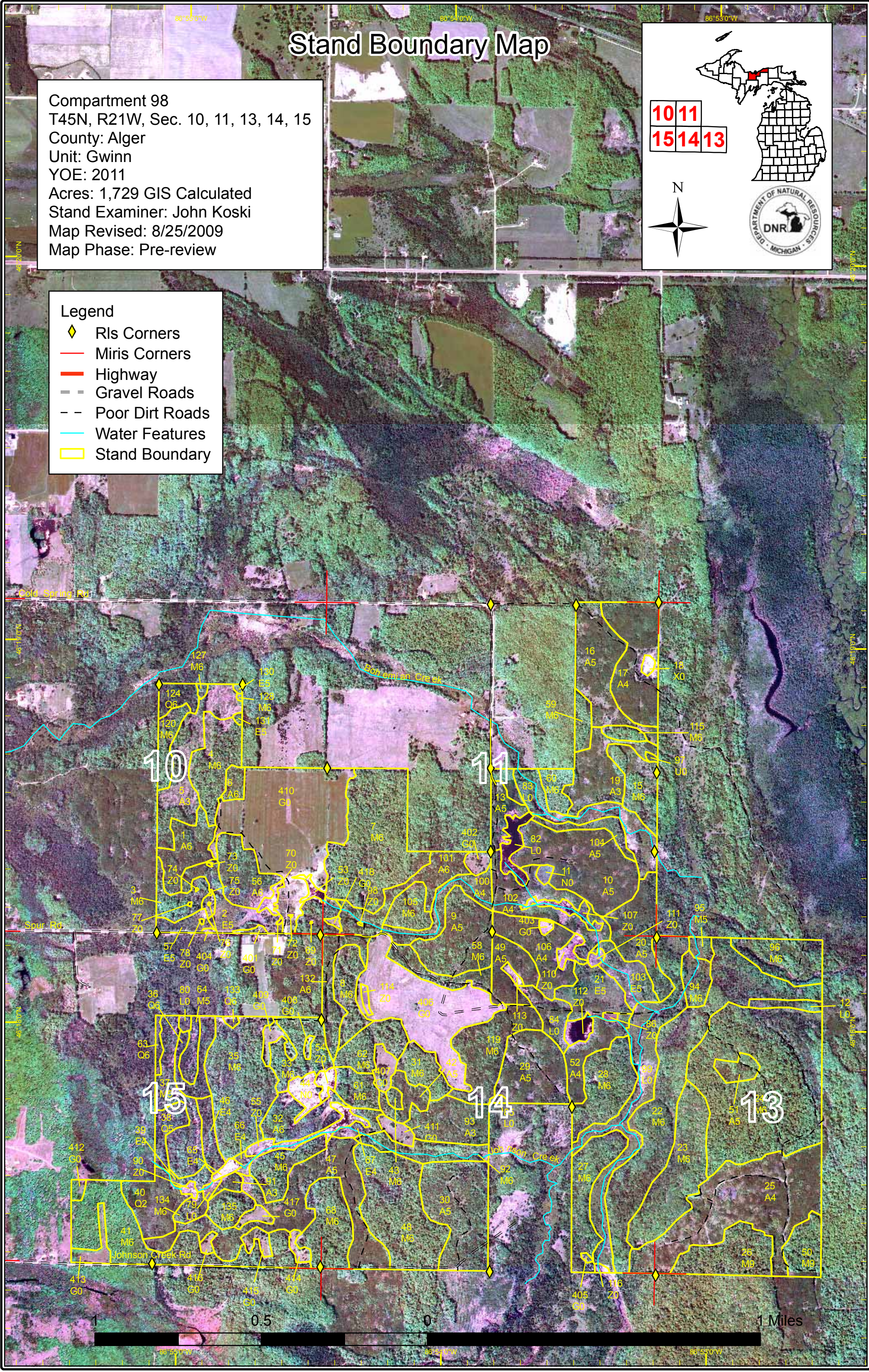
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10 11
 15 14 13



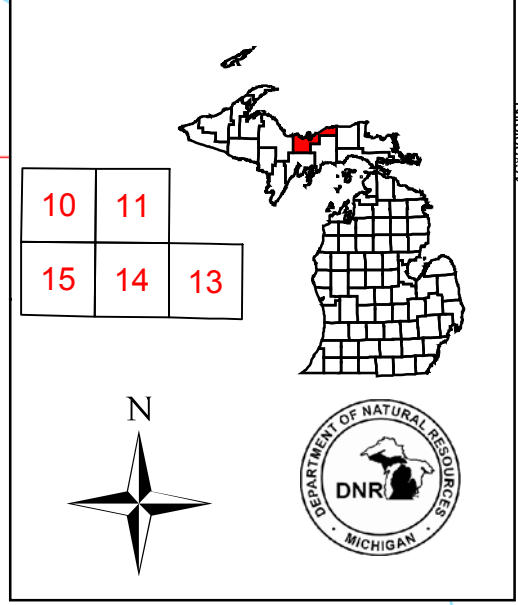
Legend

- ◆ RIs Corners
- Miris Corners
- Highway
- = = Gravel Roads
- - Poor Dirt Roads
- Water Features
- ▭ Stand Boundary

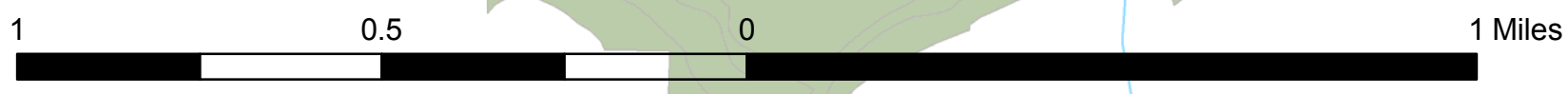
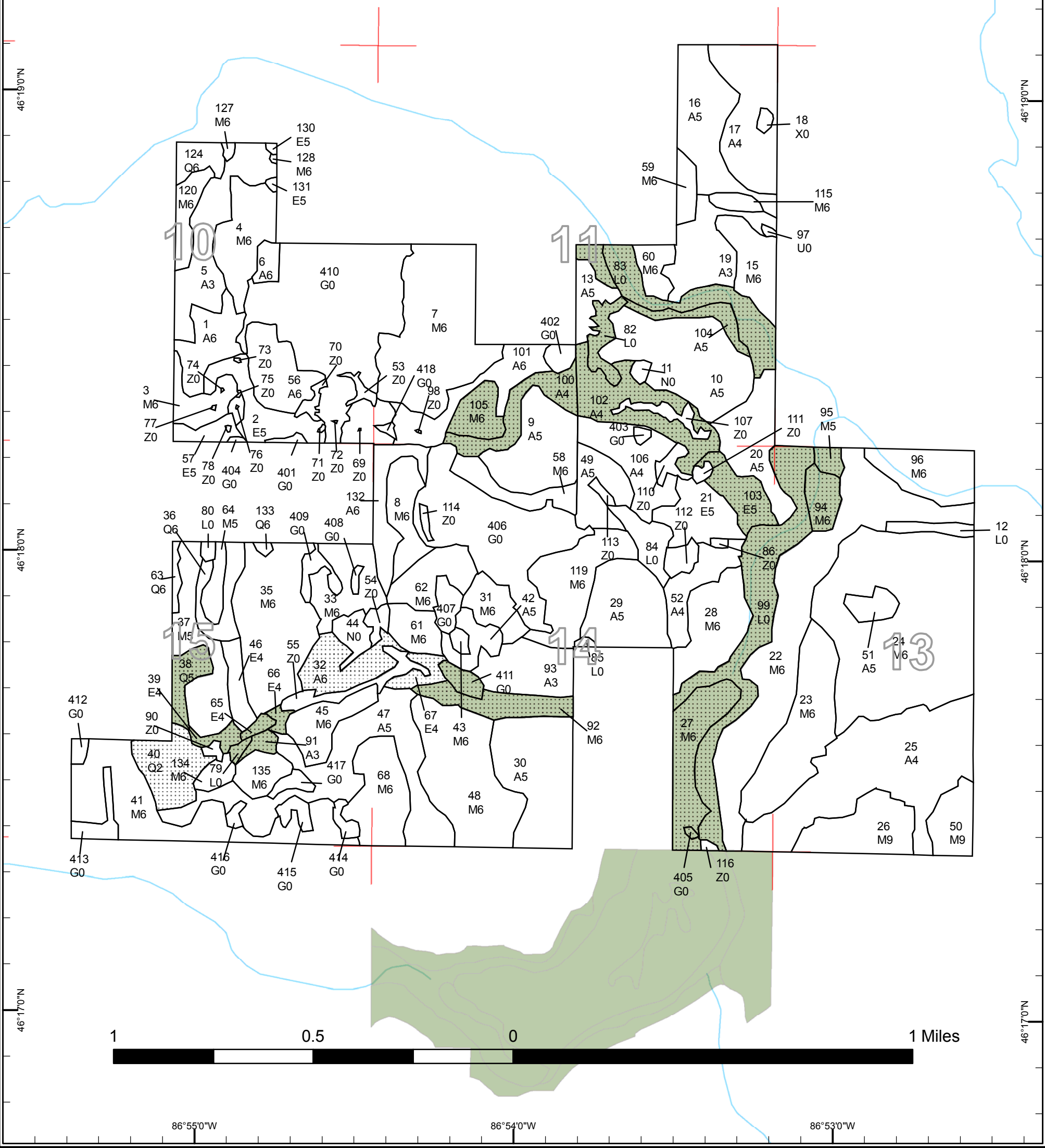


Dedicated & Proposed Special Conservation Area Map

Compartment 98
 T45N, R21W, Sec. 10, 11, 13, 14, 15
 County: Alger
 Unit: Gwinn
 YOE: 2011
 Acres: 1,729 GIS Calculated
 Stand Examiner: John Koski
 Map Revised: 8/25/2009
 Map Phase: Pre-review



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





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.