



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 10 ENTRY YEAR: 2011  
Compartment Acreage: 1480 County: Marquette**

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**Revision Date:** 03/19/2009

**Stand Examiner:** Jerry Mohlman

**Legal Description:** T44N R23W Sections 23, 26, 35

**Management Goals:** For the 2011 entry year we are proposing thinning the hardwood between Deer and Deadhorse creeks. This would include stands 25, 28, 37 and 46. We will need a portable bridge from either the north, along with a culvert, or from the south through private land. Another possibility would be from the east, building a road though a couple hundred yards of wetland. We would retain representatives of all species in these thinnings, plus retain old legacy trees and other trees important to wildlife. An adequate stream buffer would be included near all streams.

**Soils and topography:** shoepac-trenary silt loam, shoepac-reade complex, cathro-ensley complex, charlevoix-ensley complex. Flat to rolling topography.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Private hunting camps north and in section 26. Also SW of compartment is private and blocks good vehicle access there, although we have had access for logging through there in the past.

**Unique, Natural Features:** There is a large boulder in stand 30 with Canada Yew growing on top, out of the reach of heavy browsing. This boulder is a likely refuge for this once common plant, since it is quite rare within several miles of this boulder.

**Archeological, Historical, and Cultural Features:**

**Special Management Designations or Considerations:** Special Conservation Areas are the stands associated with the riparian zones along the creeks. Stands 7,15,18,21,22,26,29,45,47,48.

**Watershed and Fisheries Considerations:** Deadhorse Creek, Deer Creek, N. Br. Deer Creek. Numerous springs associated with these streams in or near this compartment.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:**

**Vehicle Access:** Good vehicle access in section 23 and 26 north of N. Br. Deer creek. No vehicle access south of N. Br. Deer creek and north of Deer creek main branch. Deadhorse creek area access is through private land or east from Deadhorse Creek Road behind a DNR gate. We will need a portable bridge and road upgrades to access the proposed timber sales in this compartment.

**Survey Needs:** Need the corners on the east side of the private land in section 26.

**Recreational Facilities and Opportunities:** Typical forest recreation, no developed recreational facilities.

**Fire Protection:** Fire frequency is low in this compartment. Due to the extensive wetlands and hardwoods, fire intensity would be quite low. Vehicle access for fire equipment would be poor in at least half the compartment.

**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: 10

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			12	38															50
Cedar											20								20
Lowlnd Brush	26																		26
Marsh	39																		39
Mx Swmp Cnfr									189	106		32							327
Spruce Fir				6															6
Swamp Hrdwds								49	157			258							464
Upland Hdwds			4						17									526	547
Water	1																		1
Total	66		16	44				49	363	106	20	290						526	1480

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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: 10

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	50																										50
C Cedar				20																							20
L Lowlnd Brush									26																		26
N Marsh											39																39
Q Mx Swmp Cnfr												327															327
F Spruce Fir																			6								6
E Swamp Hrdwds																				464							464
M Upland Hdwds																								547			547
Z Water																									1		1
<b>Total</b>	50			20					26		39	327							6	464				547	1		1480

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **10**

*Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS*

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	12964 Cds	Hardwood	880 Cds
Hardwood	772 Mbf	Hardwood	11 Mbf
Softwood	7583 Cds	Sum CutVol	902 Cds
Softwood	17 Mbf		
Sum TotVol	22125 Cds		
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	174
1480			

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 10**

**Entry Year: 2011**

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

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

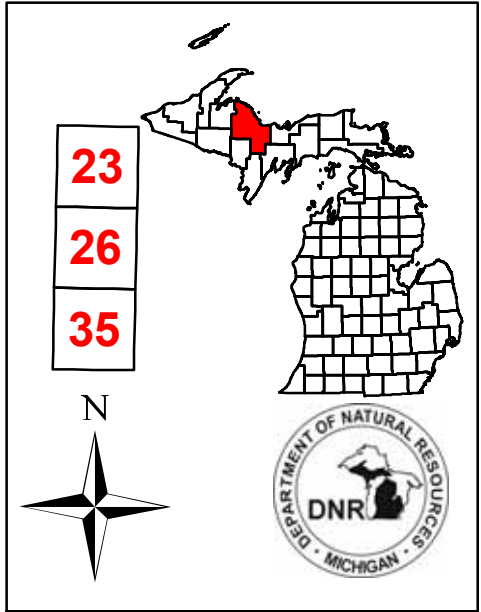
**Compartment: 10**

**Entry Year: 2011**

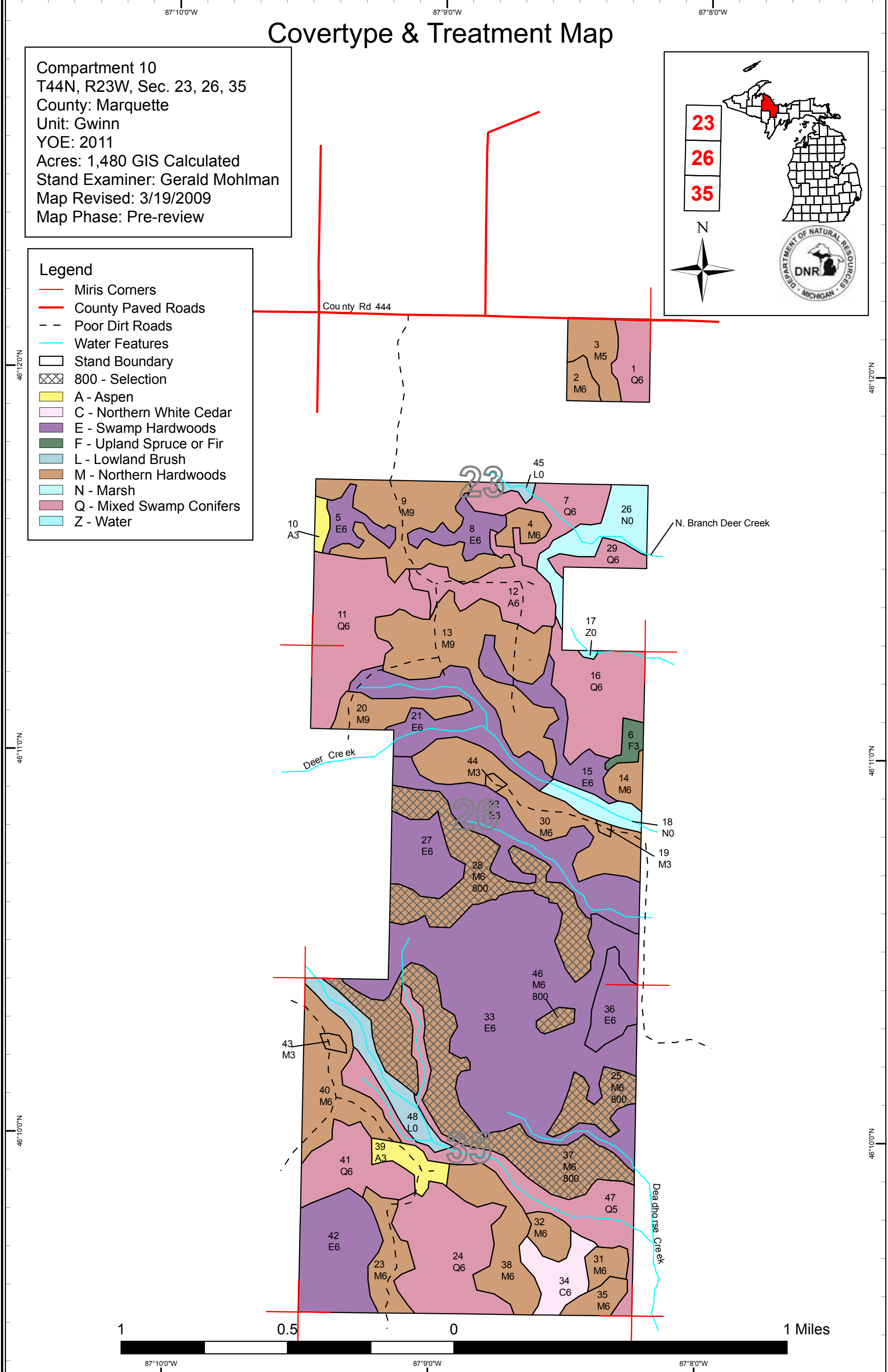
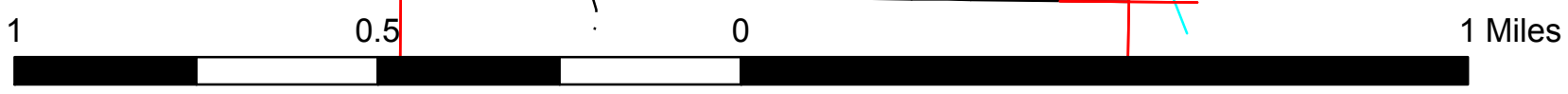
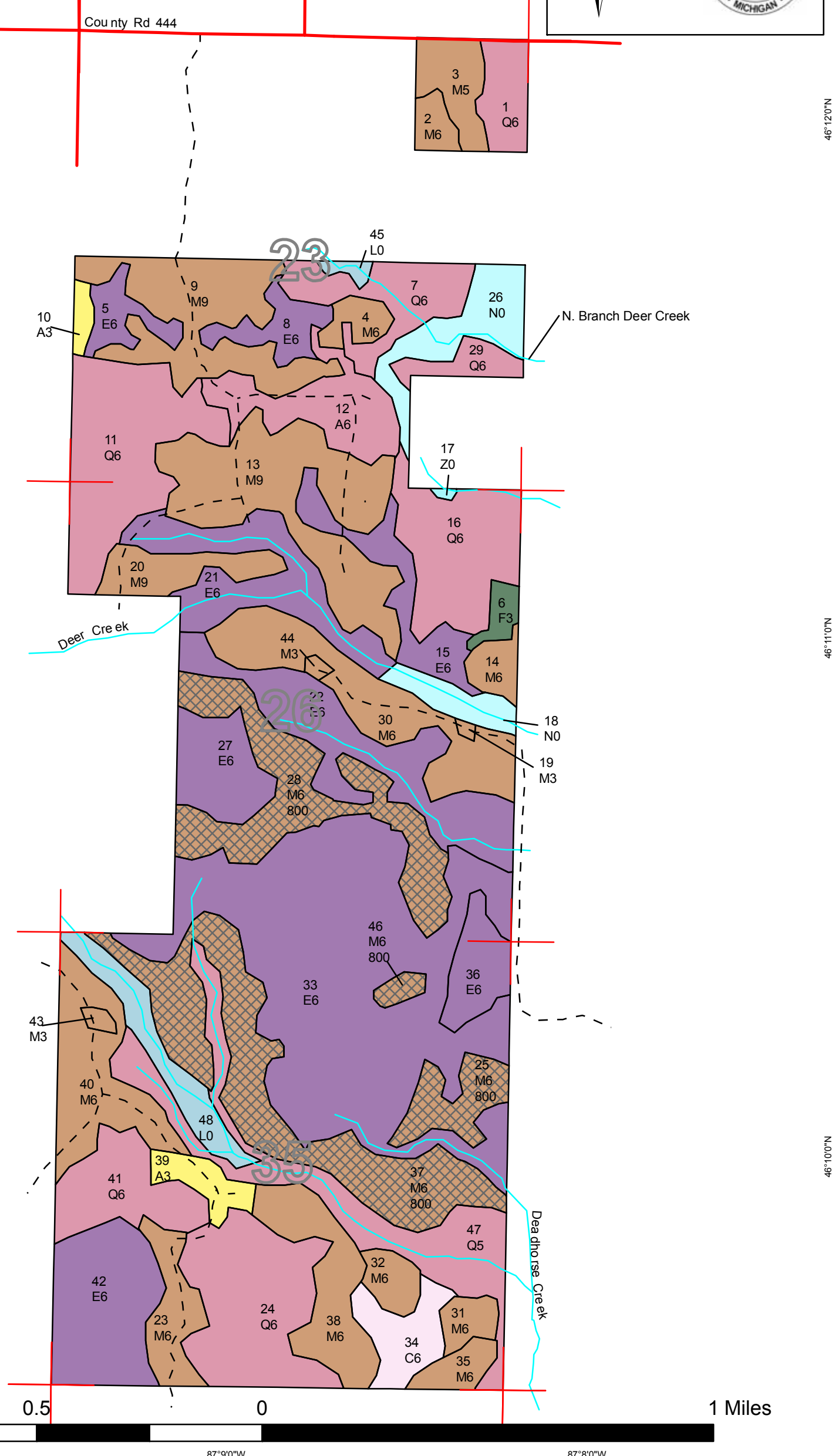
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
<b>25</b>	<b>M6</b>	19		60	northern hardwood	unevenaged	selection	2		
TREATMENT LIMITING FACTORS: Bridge needed (portable bridge not available or inadequate) Land survey needed										
comnts Fmd : Mostly good quality. Will need culvert to access stand and through a swamp section from east.. Good timber potential most areas. Heavy to red maple, sugar on higher ground. Areas of ash swale or vernal areas.										
Wld : Cut no hemlock, cedar and/or white pine if it exists in stand. Underplant hemlock and/or white pine post harvest.										
<b>28</b>	<b>M6</b>	63		59	northern hardwood	unevenaged	selection	1		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle Land survey needed										
comnts Fmd : Need bridge from north or swamp freezing from east. Decent quality in spots. Good timber potential. Mix of red and sugar maple., big yellow birch. Most large trees defective but good wildlife value. Need survey.Patches of hemlock.										
Wld : Cut no hemlock, cedar or white pine if it exists. Underplant hemlock and/or white pine post harvest.										
<b>37</b>	<b>M6</b>	88		60	northern hardwood	unevenaged	selection	1		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle Land survey needed										
comnts Fmd : Good quality potential, lots of poor timber here now. Good wildlife trees. Heavy to red maple some areas with sugar on the higher elevations. Need survey. Need bridge or swamp crossing from east. Areas of ash swale and vernal areas. Also small stream. Long snowplow for winter job.										
Wld : Cut no hemlock, white pine, or cedar if it exists in stand. Underplant hemlock and/or white pine post harvest.										
<b>46</b>	<b>M6</b>	4		60	northern hardwood	unevenaged	selection	1		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle Land survey needed										
comnts Fmd : Good quality potential, lots of poor timber here now. Good wildlife trees. Heavy to red maple some areas with sugar on the higher elevations. Need survey. Need bridge or swamp crossing from east. Areas of ash swale and vernal areas. Also small stream. Long snowplow for winter job. Small island probably not worth getting to for harvest.										
Wld : Cut no hemlock, white pine, or cedar if it exists. Underplant hemlock and/or white pine post harvest.										
<b>Total Acres.....</b>		<b>174</b>								

# Covertypes & Treatment Map

Compartment 10  
 T44N, R23W, Sec. 23, 26, 35  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2011  
 Acres: 1,480 GIS Calculated  
 Stand Examiner: Gerald Mohlman  
 Map Revised: 3/19/2009  
 Map Phase: Pre-review



- Legend**
- Miris Corners
  - County 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
  - L - Lowland Brush
  - M - Northern Hardwoods
  - N - Marsh
  - Q - Mixed Swamp Conifers
  - Z - Water





# Stand Boundary Map

Compartment 10  
T44N, R23W, Sec. 23, 26, 35  
County: Marquette  
Unit: Gwinn  
YOE: 2011  
Acres: 1,480 GIS Calculated  
Stand Examiner: Gerald Mohlman  
Map Revised: 3/19/2009  
Map Phase: Pre-review

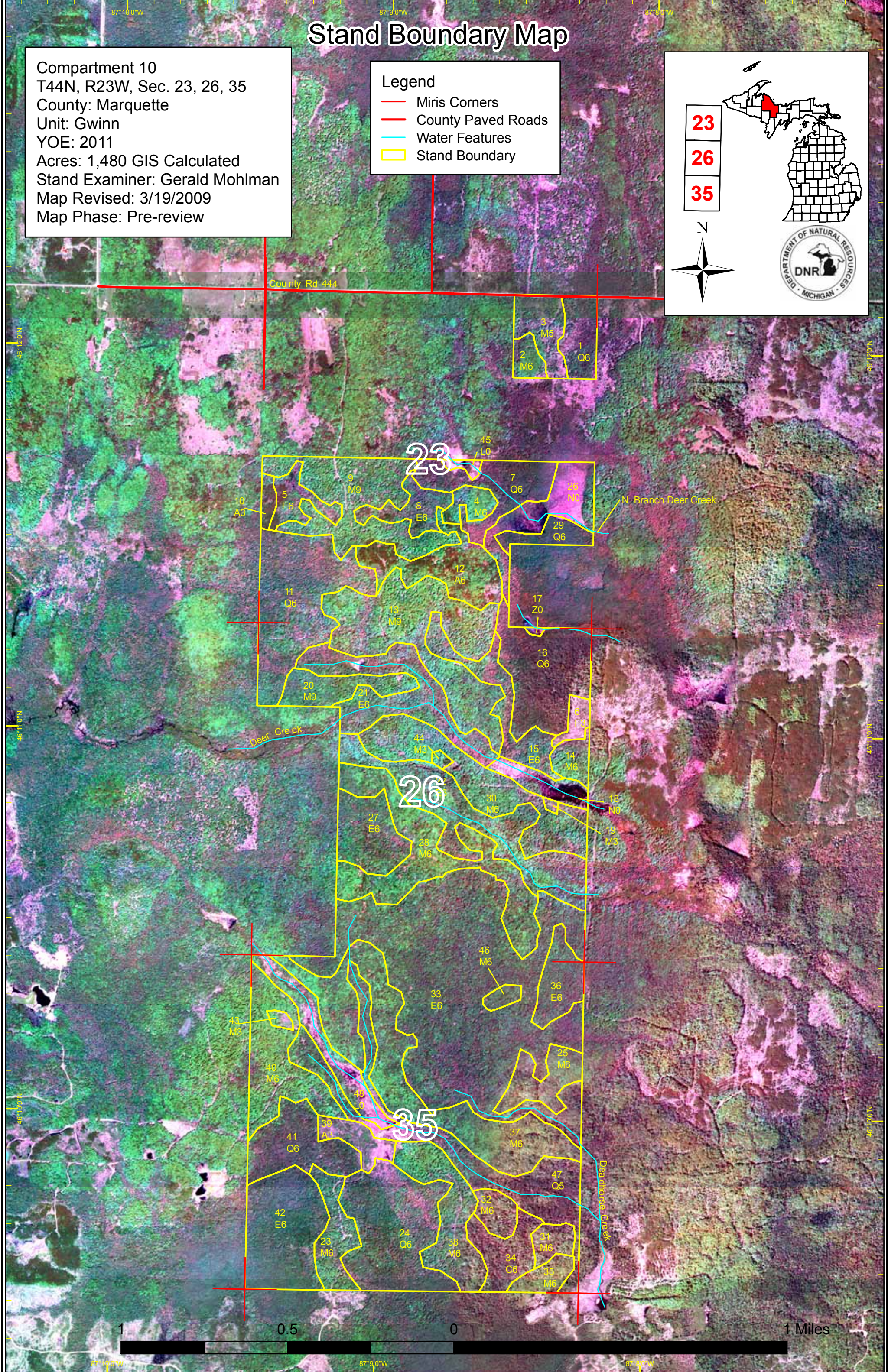
## Legend

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

23  
26  
35

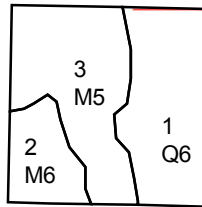
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DNR  
DEPARTMENT OF NATURAL RESOURCES  
MICHIGAN



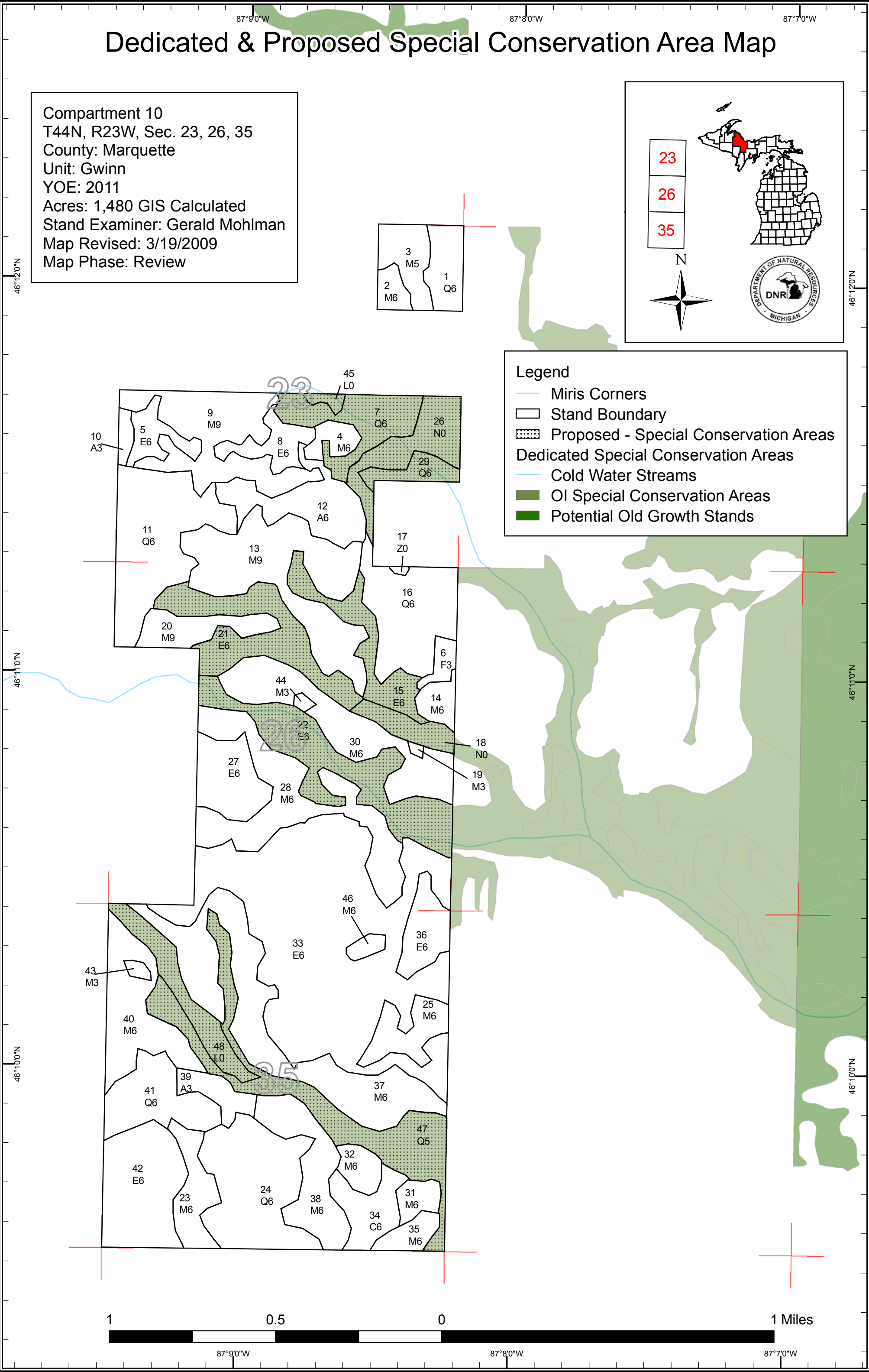
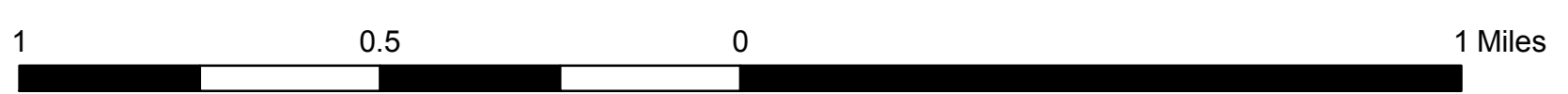
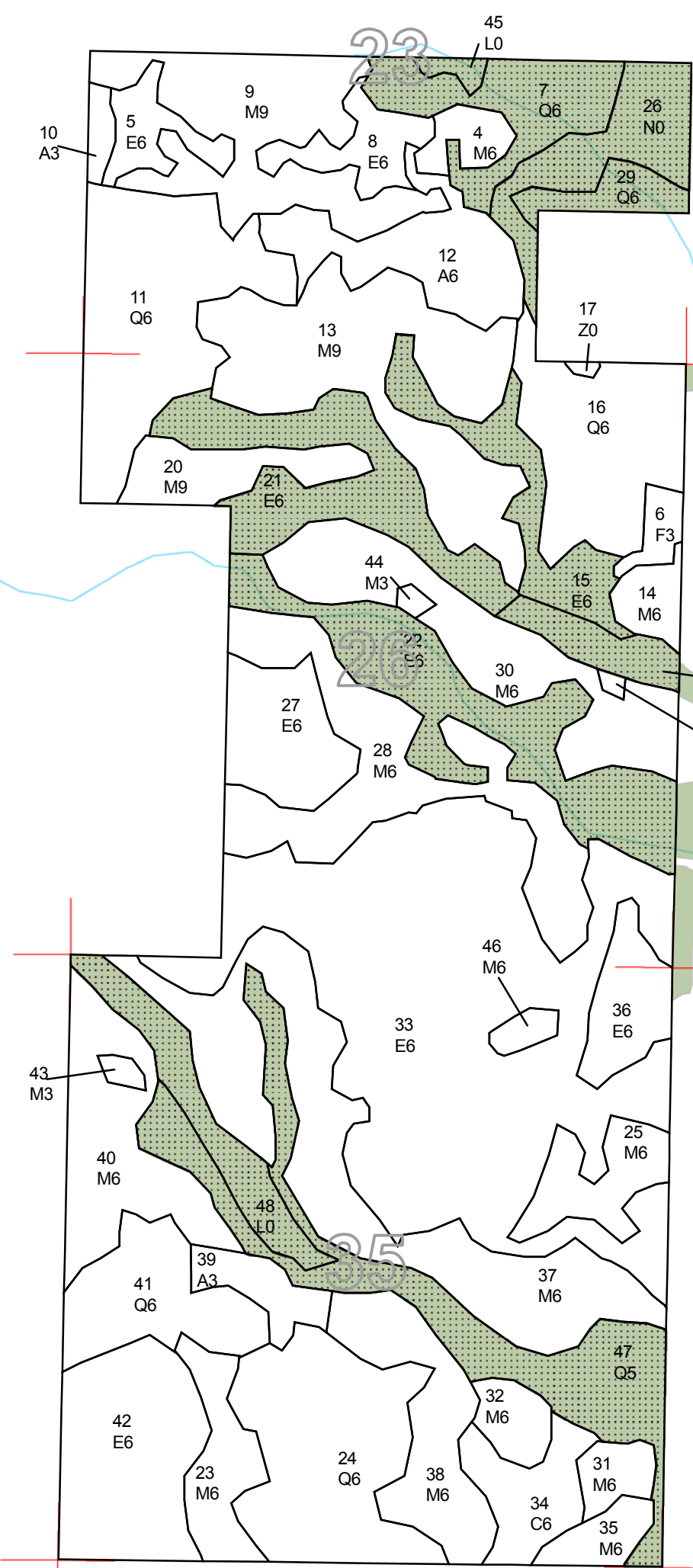
# Dedicated & Proposed Special Conservation Area Map

Compartment 10  
 T44N, R23W, Sec. 23, 26, 35  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2011  
 Acres: 1,480 GIS Calculated  
 Stand Examiner: Gerald Mohlman  
 Map Revised: 3/19/2009  
 Map Phase: Review



**Legend**

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





**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.