



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 73 ENTRY YEAR: 2011**

**Compartment Acreage: 1887 GIS acres: 1913 County: 52 Marquette**

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**Revision Date: 7/23/09**

**Stand Examiner: Kevin LaBumbard**

**Legal Description: T43N R26W Sec's. 22-27, 34-36**

**Management Goals: 1913 GIS acres, 1887 ownership acres. Located about 13 miles south of Gwinn, this compartment contains a variety of timber types and is a very popular recreational area, primarily for ruffed grouse and whitetail deer. Topography is rolling upland interspersed with lowland conifer. Most of the upland contains aspen or northern hardwoods. The hardwood stands are mostly fair to good quality timber stands that have been treated in the past. There are a variety of age classes in the aspen stands with four stands schedule for final harvest. The lowlands are primarily swamp conifers and fairly large cedar stands which are important deer yards. In addition to the aspen, two hardwood stands are scheduled for selective harvest. Management goals of the scheduled hardwood stands are to improve stem quality and diameter class distribution while maintaining species diversity, conifer content, and den trees. All harvest plans will also include considerations for conifer retention, coarse woody debris, and BMP's, with all hemlock, cedar, white pine or red pine to be retained. We will retain all species represented and all size classes including the large legacy trees. Special conservation area stands have been selected to protect and enhance the riparian values and wildlife travel corridors.**

**Soils and topography** Terrain is flat to gently rolling; with soils ranging from mucks to well drained sands. Major soil associations include Carbondale and Tawas mucks, Kalkaska and Paquin sands, Mashek, and Channing, Emmet and Karlin sandy loams.

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

**Unique, Natural Features**

**Archeological, Historical, and Cultural Features**

**Special Management Designations or Considerations:**

Special Conservation Area Stands: 4,11,12,13,16,28,36,37,42,43.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions: Sections 22 - 24, T43N-R25W, Marquette County**

Surface sediments consist of an end moraine of medium-textured till, medium-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried for stone in the UP and the PdC could be used for stone. Gravel pits are located in this area, and there could be potential on the upland areas. Abandoned iron mines are located twelve miles to the north. This area was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Access is very good from Little West Road, but limited to spring, summer, fall.

**Survey Needs:** none

**Recreational Facilities and Opportunities:** Recreational activity for this area is very popular for upland hunting of ruffed grouse, woodcock and whitetail deer.

**Fire Protection:** This compartment has a low to medium 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: 73

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		38	198		258			42	54										590
Black Spruce											73				17				90
Bog or Marsh	4																		4
Cedar										255			86						341
Grass	151																		151
Hemlock										3									3
Lowlnd Brush	241						45												286
Lowlnd Poplr									34		44								78
Marsh	85																		85
Mx Swmp Cnfr										38	58						42		138
Spruce Fir									23										23
Tamarack										2									2
Upland Hdwds					4			4										81	89
Water	33																		33
<b>Total</b>	<b>514</b>	<b>38</b>	<b>198</b>		<b>262</b>		<b>45</b>	<b>46</b>	<b>111</b>	<b>298</b>	<b>175</b>		<b>86</b>		<b>17</b>		<b>42</b>	<b>81</b>	<b>1913</b>

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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: 73

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	590																										590
S Black Spruce		90																									90
V Bog or Marsh			4																								4
C Cedar				341																							341
G Grass					151																						151
H Hemlock						3																					3
L LowInd Brush									286																		286
P LowInd Poplr										78																	78
N Marsh											85																85
Q Mx Swmp Cnfr												138															138
F Spruce Fir																			23								23
T Tamarack																					2						2
M Upland Hdwds																								89			89
Z Water																									33		33
<b>Total</b>	590	90	4	341	151	3			286	78	85	138							23		2			89	33		1913

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **73**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8271 Cds	Hardwood	1452 Cds
Hardwood	66 Mbf	Hardwood	12 Mbf
Softwood	5541 Cds	Softwood	202 Cds
Softwood	10 Mbf	Sum CutVol	1678 Cds
Sum TotVol	13964 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	132
1913			

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 73**

**Entry Year: 2011**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>3</b>	<b>M6</b>	34		60	northern hardwood	immature	selection	2		
<p>comnts Fmd : Mostly evenaged hardwoods with large sugar maple and basswood remnants. Occasional cherry and large aspen. Scattered large hemlock. West of the road the hardwoods are of better quality with a larger average diameter. Vernal ponds are located on both sides of the road. Harvest plans will protect the vernal ponds, and retain most of the large remnants and scattered large aspen. Last treatment was in 1991. Former stand 8 was also combined into this stand.</p> <p>Wld : Cut no hemlock, white pine, or cedar if it exists.</p>										
<b>18</b>	<b>A6</b>	42	63	64	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Mature aspen and fir with a higher concentration of aspen north of the road. South of the road is a mix of soft aspen, fir, and soft maple. Good hardwood regeneration in pockets. Occasional upland cedar.</p> <p>Wld : Mark and protect patches of upland cedar, and swamp edges as "no cut" zones during harvest.</p>										
<b>32</b>	<b>M6</b>	32		51	northern hardwood	unevenaged	selection	2		
<p>comnts Fmd : Fair quality even-aged mixed hardwood pole stand, this stand is now combined with old stand 69. Last treated in 1991.</p>										
<b>34</b>	<b>A6</b>	5	71	70	aspen (upland)	immature	final harvest	3		
<p>comnts Fmd : Narrow finger ridge of aspen and fir jutting into swamp conifers.</p>										
<b>47</b>	<b>A5</b>	3	71	70	aspen (upland)	mature	final harvest	3		
<p>comnts Fmd : Very small aspen with red maple stand within a large grass opening. Occasional cherry. A fair amount of aspen is dead and down. The stand could be harvested to perpetuate the aspen leaving the cherry, or retain the entire stand for wildlife habitat.</p>										
<b>51</b>	<b>A6</b>	16	71	70	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : North of the road the stand consists of a mix of aspen and fir poles over F2. Losing some of the timber windthrow. South of the road the stand is purer aspen over hazel brush. Scattered red maple, white spruce and cherry. Retain the cherry.</p>										
<b>Total Acres.....</b>		<b>132</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 73**

**Entry Year: 2011**

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<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>FD Status</b>
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TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

# Covertypes & Treatment Map

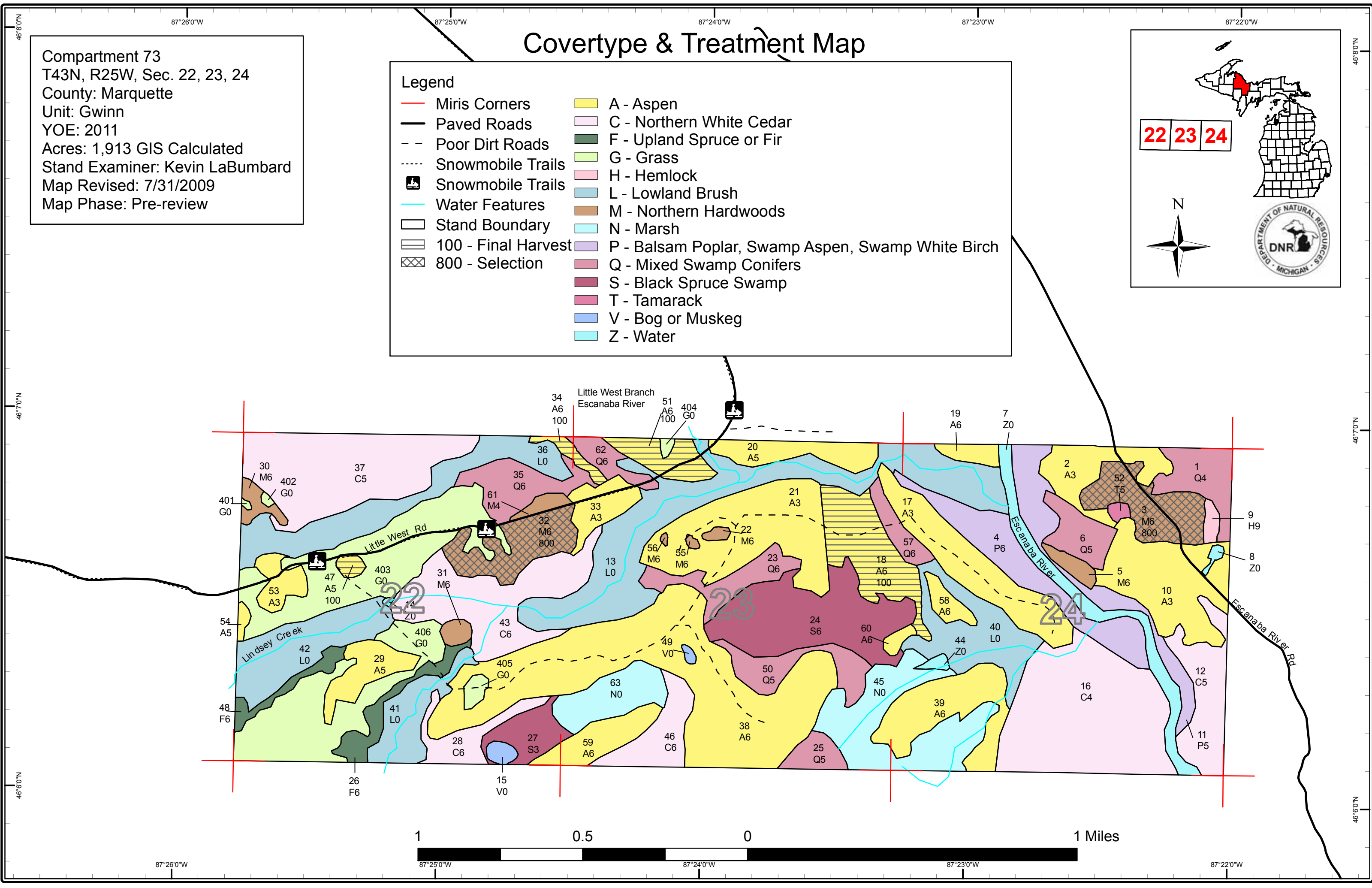
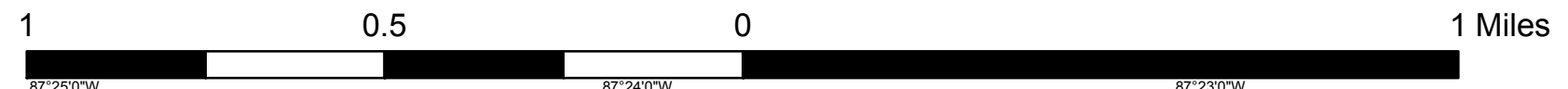
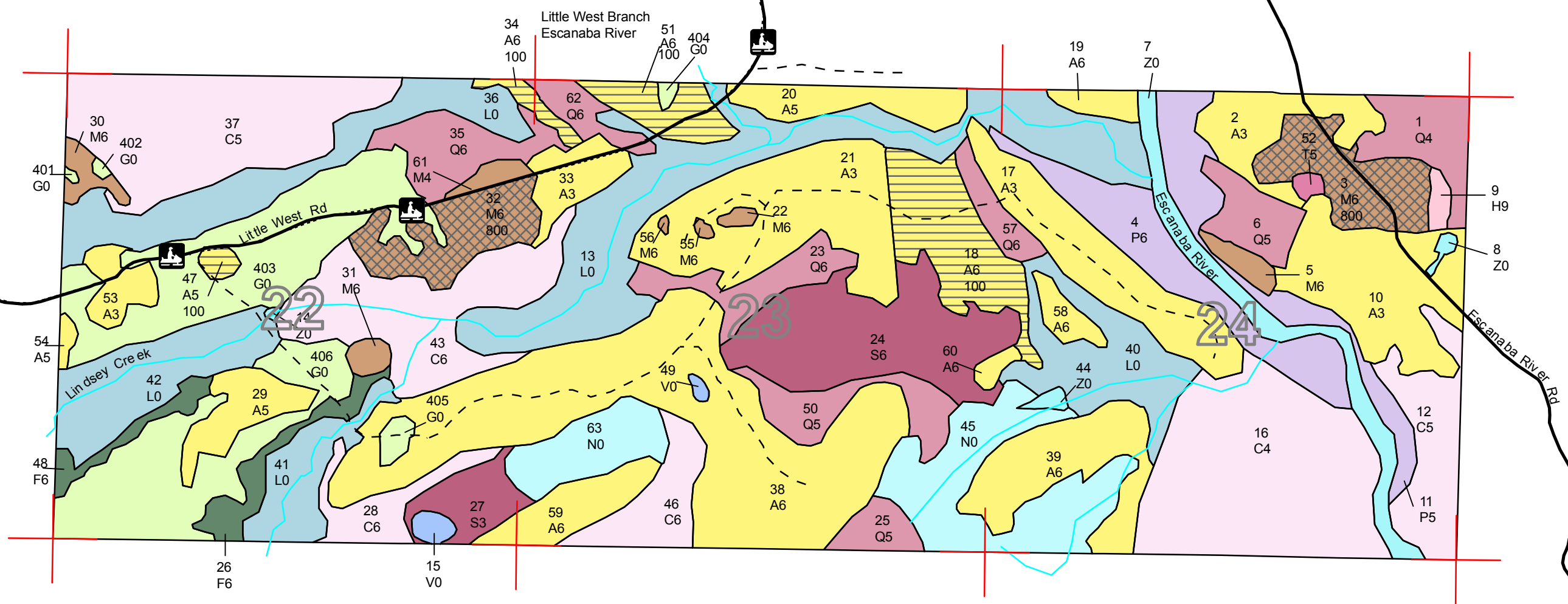
Compartment 73  
 T43N, R25W, Sec. 22, 23, 24  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2011  
 Acres: 1,913 GIS Calculated  
 Stand Examiner: Kevin LaBumbard  
 Map Revised: 7/31/2009  
 Map Phase: Pre-review

**Legend**

— Miris Corners	A - Aspen
— Paved Roads	C - Northern White Cedar
- - - Poor Dirt Roads	F - Upland Spruce or Fir
- · - · - Snowmobile Trails	G - Grass
☐ Snowmobile Trails	H - Hemlock
— Water Features	L - Lowland Brush
☐ Stand Boundary	M - Northern Hardwoods
▨ 100 - Final Harvest	N - Marsh
▩ 800 - Selection	P - Balsam Poplar, Swamp Aspen, Swamp White Birch
	Q - Mixed Swamp Conifers
	S - Black Spruce Swamp
	T - Tamarack
	V - Bog or Muskeg
	Z - Water

22 23 24

N



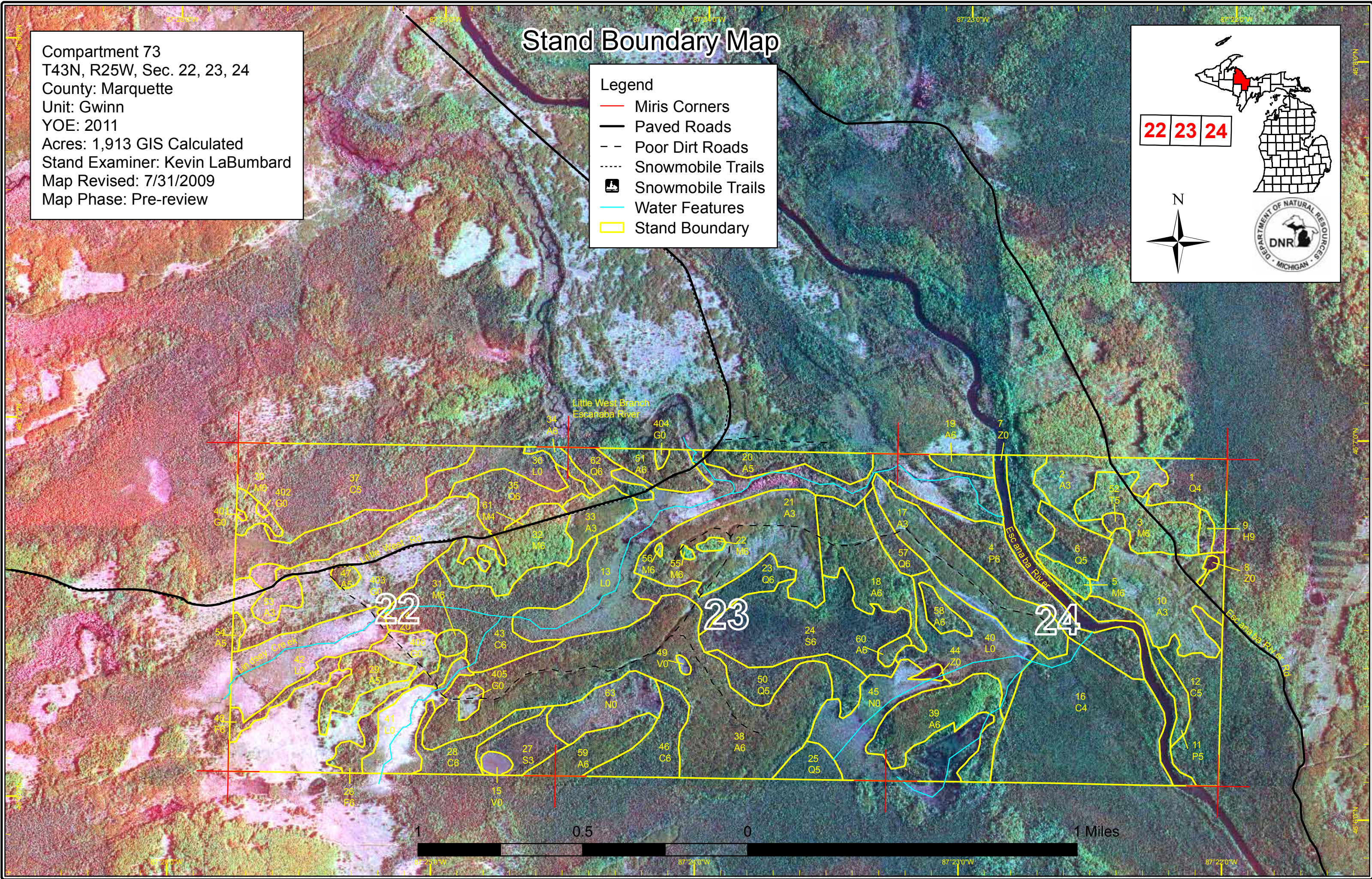


# Stand Boundary Map

Compartment 73  
T43N, R25W, Sec. 22, 23, 24  
County: Marquette  
Unit: Gwinn  
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Stand Examiner: Kevin LaBumbard  
Map Revised: 7/31/2009  
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- Legend
- Miris Corners
  - Paved Roads
  - Poor Dirt Roads
  - Snowmobile Trails
  - Snowmobile Trails
  - Water Features
  - Stand Boundary

22 23 24



# Dedicated & Proposed Special Conservation Area Map

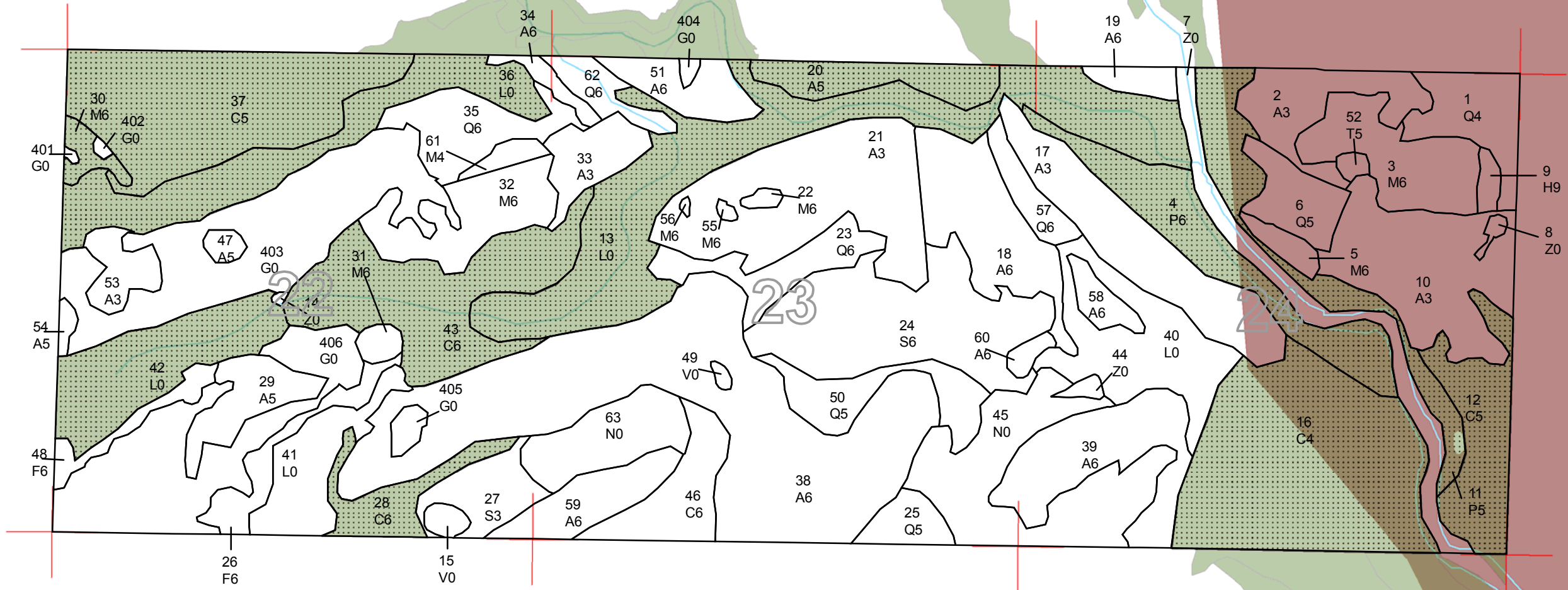
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 Stand Examiner: Kevin LaBumbard  
 Map Revised: 7/31/2009  
 Map Phase: Pre-review

**Legend**

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

22 23 24

N



87°26'0"W      87°25'0"W      87°24'0"W      87°23'0"W      87°22'0"W

46°70'N

46°60'N

46°70'N

46°60'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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.