



**CRYSTAL FALLS FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #167 - ENTRY YEAR: 2010  
Compartment Acreage: 604 - County: Iron**

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**Revision Date:** July 2, 2008

**Stand Examiner:** Scott Sebero

**Legal Description:** T42N, R31W, Sections 10 and 15

**Management Goals:** Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain health of conifer types and increase acreage where possible. Develop buffers on streams. Maintain and improve road system.

**Soil and Topography:** Flat to rolling with some lowland swamps and drainages.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State lands mixed with company lands and private parcels. Lands used mainly for hunting and fishing.

**Unique, Natural Features:** Compartment is just east of the Michigamme River and contains both Camp 5 and Camp 6 Creeks.

**Archeological, Historical, and Cultural Features:** None known.

**Special Management Designations or Considerations:** None known.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Bald eagle occurrences to the south, southwest and the west. Loon to the northeast and southeast. Potential for eagle, osprey, goshawk, moose and gray wolf. Potential for wood turtle along creeks.

**Mineral, Oil and Gas Considerations:** Surface sediments consist of an end moraine of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Hemlock Formation and Intrusive Rock subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines at Crystal Falls are located two miles to the northwest. Part of this compartment is currently leased for metallic exploration. A gravel pit is located three miles to the northeast and there should be potential. There is no economic oil and gas production in the UP.

**Vehicle Access:** Camp 5 Road and connecting woods roads.

**Survey Needs:** Two corners needed for future t-sales.

**Recreational Facilities and Opportunities:** Hunting, camping and fishing.

## **Fire Protection:**

### **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

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: 167

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	212																										212
S Black Spruce		200																									200
G Grass					6																						6
L Lowlnd Brush									30																		30
R Red Pine																118											118
F Spruce Fir																			22								22
M Upland Hdwds																								5			5
W White Pine																										11	11
<b>Total</b>	212	200			6				30						118				22					5		11	604

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **167**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1339 Cds	Hardwood	841 Cds
Softwood	7657 Cds	Softwood	1092 Cds
Softwood	961 Mbf	Softwood	37 Mbf
Sum TotVol	10918 Cds	Sum CutVol	2007 Cds
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	
604		90	

**CRYSTAL FALLS FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 167 Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>7</b>	<b>A6</b>	20	86	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Retention will be along S-type to the North.										
<b>8</b>	<b>W9</b>	11	94	60	white pine	mature	shelterwood-seed	1		
comnts Fmd : SOME WHITE PINE HAS BLISTER RUST. SHOULD MARK THESE TREES TO CUT WHEN CUTTING STAND. Large white and red pine will be left for retention.										
Wld : Maintain canopy closure to ensure deeryard integrity is not compromised. Harvest only in uplands.										
<b>11</b>	<b>R6</b>	37	50	60	red pine	two aged	thinning	1		
comnts Fmd : Large white and red pine will be left for retention.										
<b>16</b>	<b>F6</b>	22	86	60	spruce-fir (uplands- including upland black spruce)	mature	shelterwood-seed	1		
comnts Fmd : SHALLOW SOIL WITH ROCK OUTCROPS. LOTS OF OLD BLOWDOWN. THICK SPRUCE FIR REGEN IN PARTS OF STAND. Retention will be along S-type to the North.										
<b>Total Acres.....</b>		<b>90</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 167**

**Entry Year: 2010**

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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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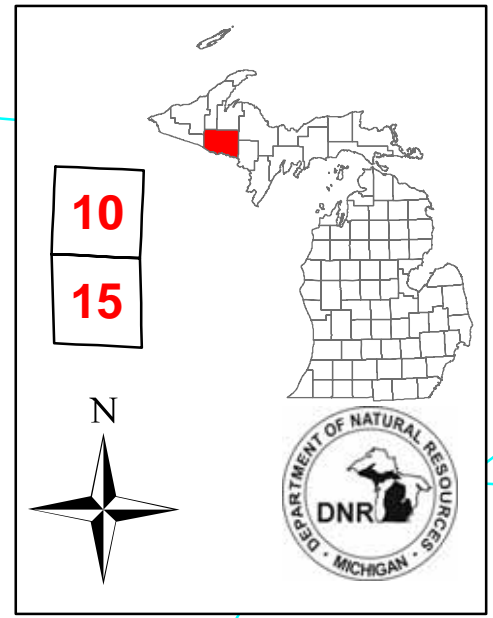
TREATMENT LIMITING FACTORS:

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

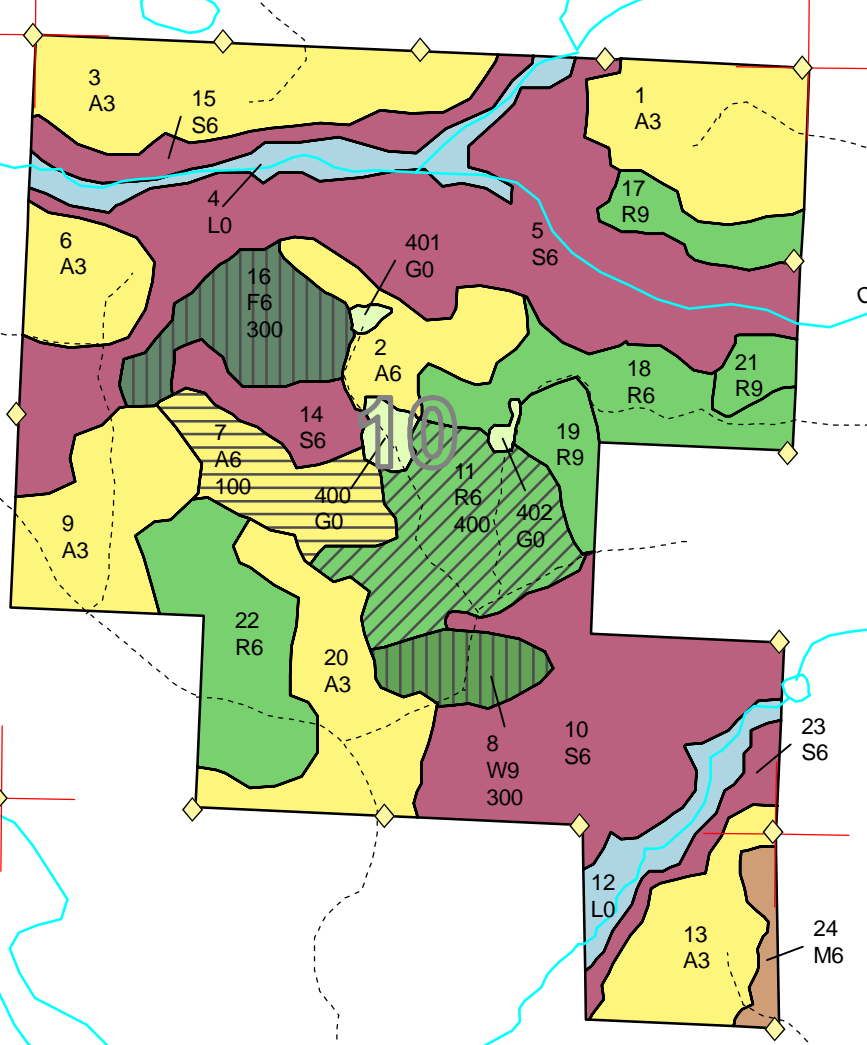
# Covertime & Treatment Map

Compartment 167  
 T42N, R31W, Sec. 10-15  
 County: Iron  
 Unit: Crystal Falls  
 YOE: 2010  
 Acres: 604 GIS Calculated  
 Stand Examiner: Scott Sebero  
 Map Revised: 8/05/2008  
 Map Phase: Pre-Review



**Legend**

- ◆ RLS Corners
- Miris Corners
- - - Trails
- Water Features
- Stand Boundary
- ▨ 100 - Final Harvest
- ▩ 300 - Shelterwood-seed
- ▧ 400 - Thinning
- A - Aspen
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- R - Red Pine
- S - Black Spruce Swamp
- W - White Pine



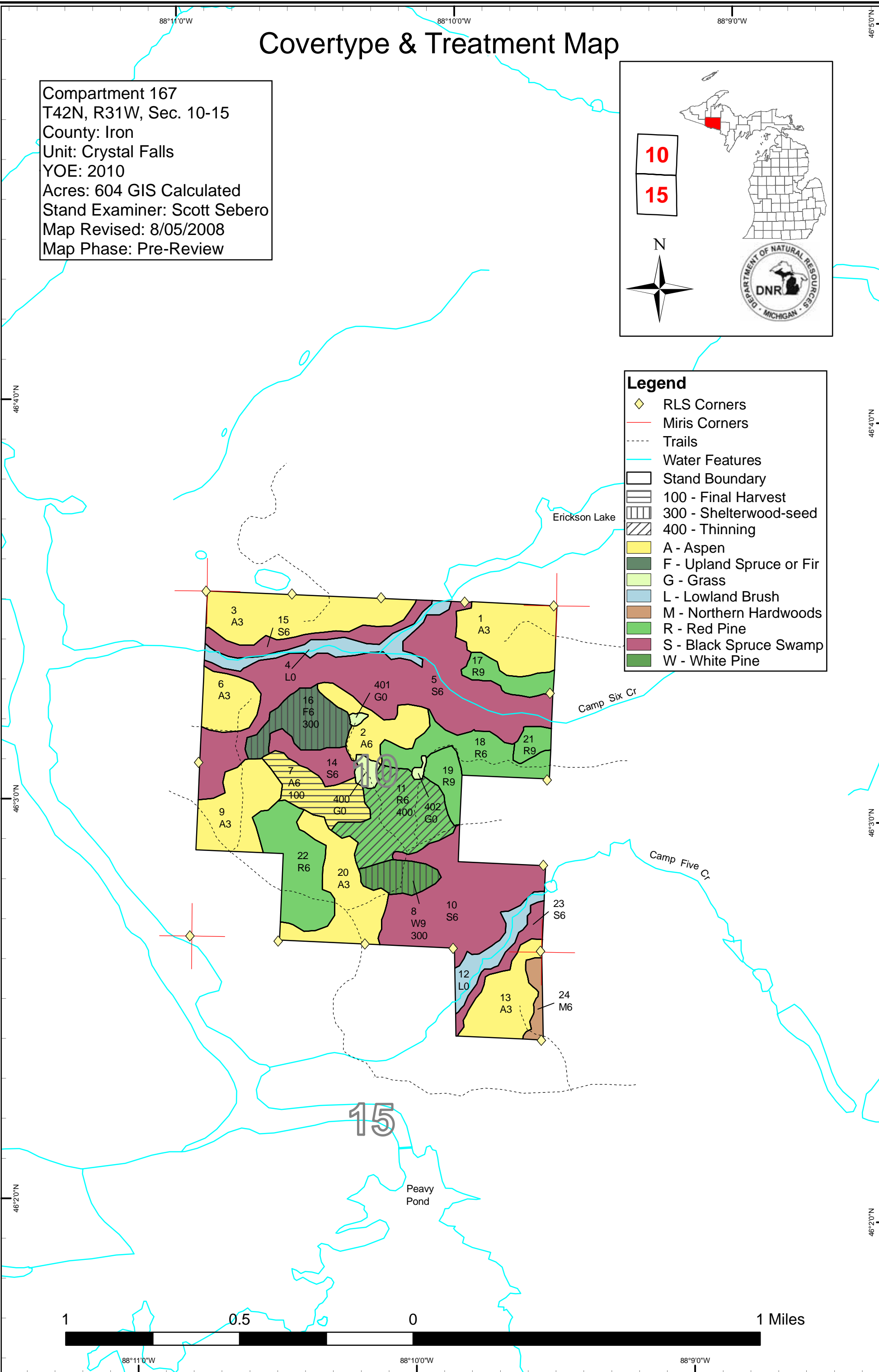
15

Peavy Pond

Erickson Lake

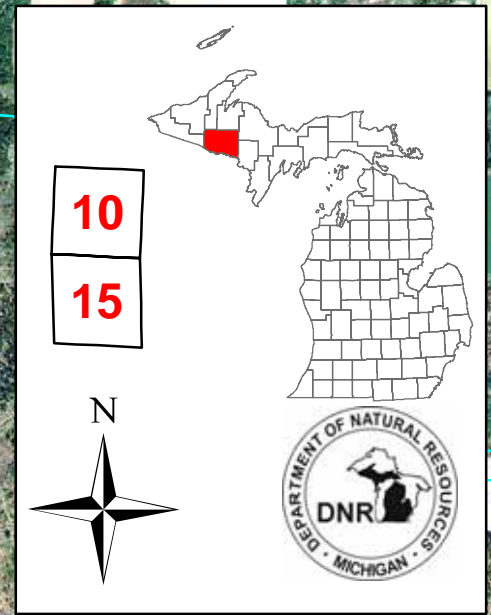
Camp Six Cr

Camp Five Cr

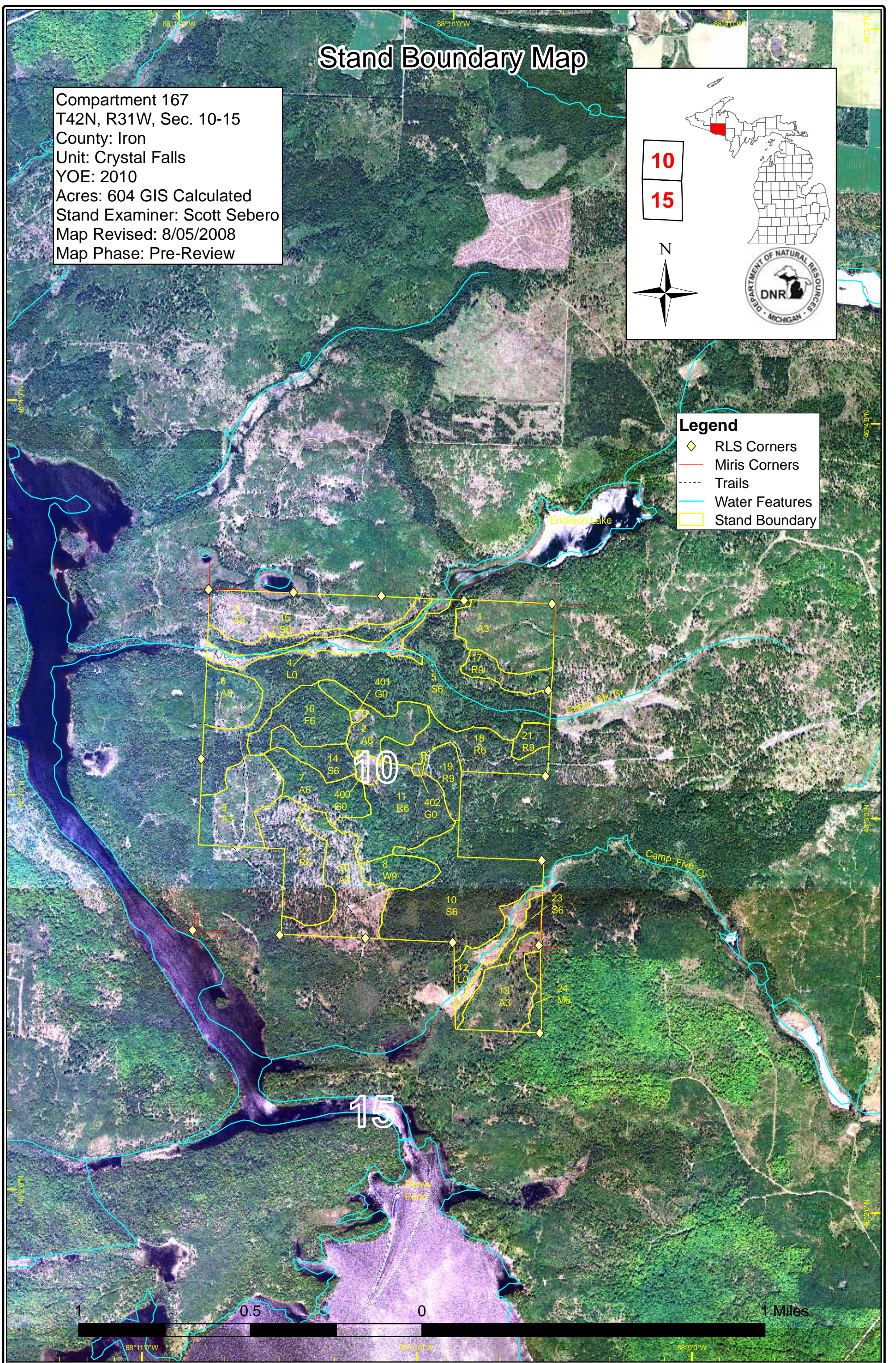


# Stand Boundary Map

Compartment 167  
T42N, R31W, Sec. 10-15  
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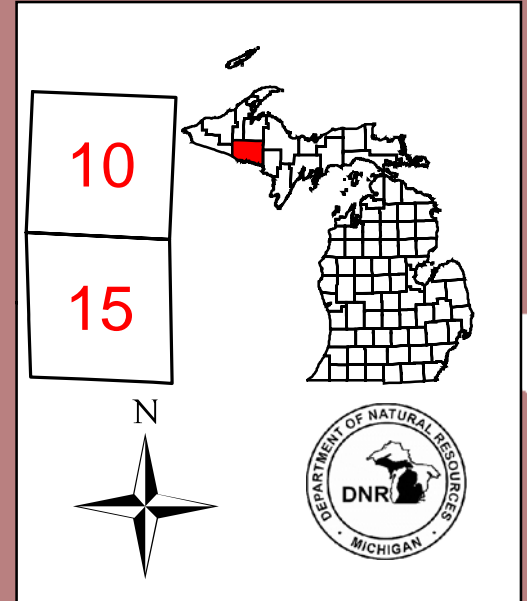


- Legend**
- ◆ RLS Corners
  - Miris Corners
  - - - Trails
  - Water Features
  - Stand Boundary

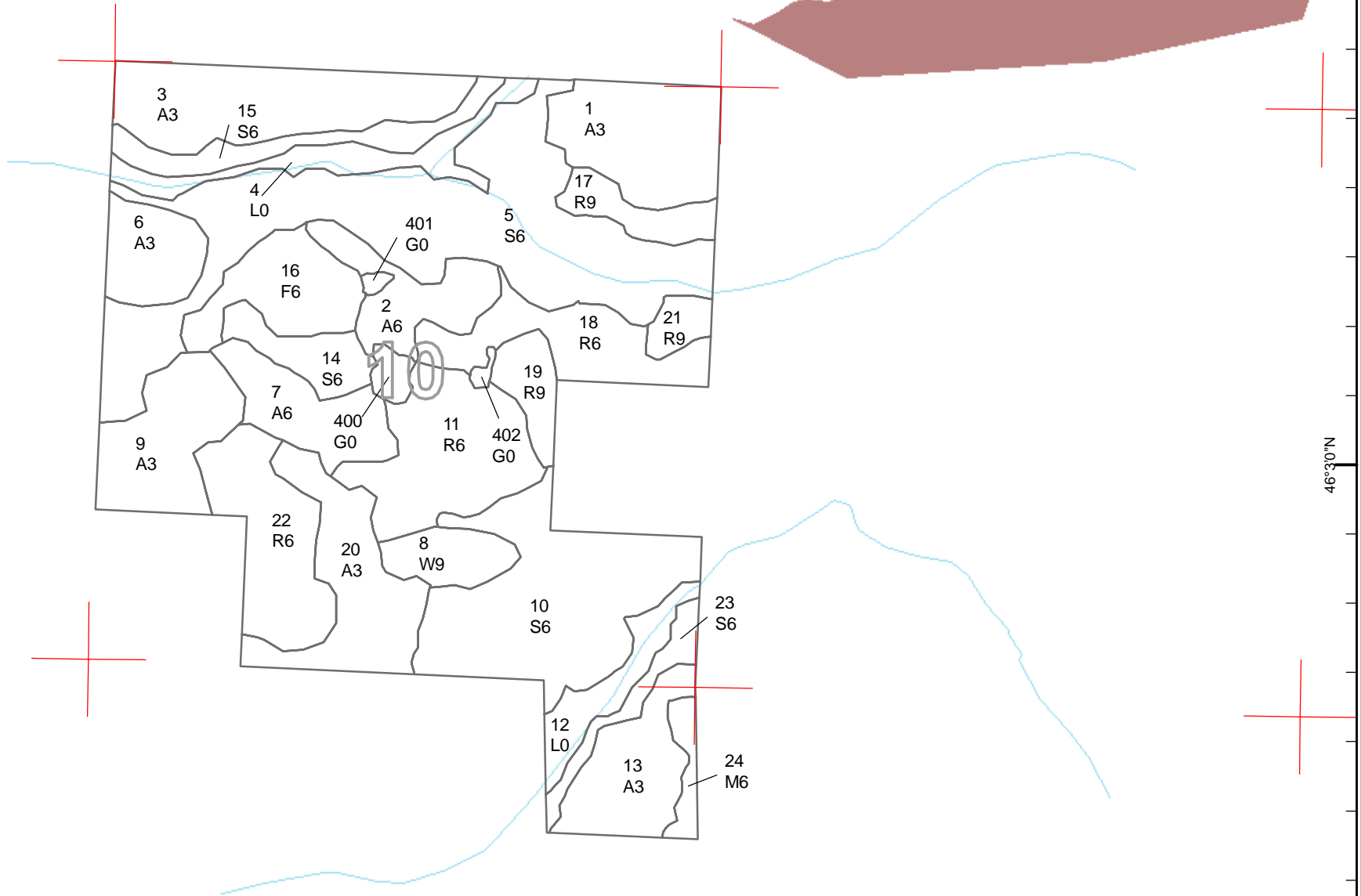


# Dedicated & Proposed Special Conservation Area Map

Compartment 167  
T42N, R31W, Sec. 10-15  
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- Legend**
- Miris Corners
  - Stand Boundary
  - Cold Water Streams
  - Deer Wintering Areas



15



88°11'0"W 88°10'0"W 88°9'0"W

46°40'N

46°40'N

46°30'N

46°30'N

46°20'N

46°20'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.