



**Gwinn Forest Management Unit  
Compartment Review Presentation  
Compartment #201    Entry Year: 2011  
Compartment Acreage: 1484    County: Marquette**

---

**Revision Date:** 8/26/2009

**Stand Examiner:** Dean Wilson

**Legal Description:** T51N-R26W, sections 19, 29, 30, 31. T51N-R27W, sections 25, 26.

**RMU (if applicable):**

**Management Goals:** Mixed use.

**Soil and Topography:** Soils are loamy and of variable depth to sandstone bedrock in the uplands. The lowlands have soils consisting of various organics. The topography is fairly level.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State land is an isolated block surrounded by larger industrial and small non-industrial ownerships. Forest production and low intensity recreation are the primary land uses.

**Unique, Natural Features:** This compartment contains the Yellow Dog Swamp which is a diverse wetlands used by a large variety of wildlife. The Yellow Dog River flows through this State land.

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

**Special Management Designations or Considerations:** There are SCA and ERA considerations for this State ownership.

**Watershed and Fisheries Considerations:** Protecting the Yellow Dog River.

**Wildlife Habitat Considerations:** A significant portion of this compartment is classified as Deer Wintering Complex and comprised of a mixture of lowland conifer mixes, super-canopy mesic conifer, and upland hardwood forests of aspen and maple. Deer in Northern Marquette County travel upwards of 30 miles during migrations to and from summer range to wintering complexes that provide shelter from the harsh winter environments experienced in the Lake Superior snow-belt. The close proximity to Lake Superior and Lake Independence combined with mature forest types provides potential nesting habitat for Bald Eagle and Osprey. The Yellowdog River that bisects this compartment is bordered by stands that are being classified as "Special Conservation Area" to provide either designated or potential old growth forests that protect riparian areas, maintain wildlife corridors, and allow natural processes to take place and provide habitat for wildlife that depend on "Old Forest" characteristics.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of peat & muck and coarse-textured till, thin to discontinuous in places. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville has been used as a building stone in the past. A gravel pit is located in Section 36, and there should be potential in this area. Abandoned iron mines are located eighteen miles to the south. This Compartment has not been leased previously. There is no economic oil and gas production in the UP.

**Vehicle Access:** Is restricted.

**Survey Needs:** Most of compartment needs legal corners established.

**Recreational Facilities and Opportunities:** None noted.

**Fire Protection:** Low priority.

**Additional Compartment Information:** Most of uplands are managed for early succession species with the exception of inclusions of northern hardwoods.

- **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**

8/31/2009 2:16:15 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 201

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			84		223														307
Bog or Marsh	46																		46
Cedar																	6	364	370
Lowlnd Brush	159																		159
Marsh	10																		10
Mx Swmp Cnfr																	68		68
Red Pine																		25	25
Swamp Hrdwds												52						179	231
Upland Hdwds		4								8								256	268
<b>Total</b>	<b>215</b>	<b>4</b>	<b>84</b>		<b>223</b>					<b>8</b>		<b>52</b>					<b>74</b>	<b>824</b>	<b>1484</b>

8/31/2009 2:16:18 PM

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

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: 201

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	307																										307
V Bog or Marsh			46																								46
C Cedar				370																							370
L Lowlnd Brush									159																		159
N Marsh											10																10
Q Mx Swmp Cnfr												68															68
R Red Pine																25											25
E Swamp Hrdwds																				231							231
M Upland Hdwds																								268			268
Total	307		46	370					159		10	68				25				231				268			1484

COUNTY

COMPARTMENT: **201**

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

**\*\*\* NO STANDS MEET THE CRITERIA FOR THIS REPORT \*\*\***

COMPARTMENT SUMMARY	
TOTAL VOLUME	CUT VOLUME
<b>Total Cmpt Acres</b>	Acres Proposed For Cut..... 0

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 201**

**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>FD Status</b>
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

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

**Proposed Treatments  
With Limiting Factors**

**Compartment: 201**

**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>FD Status</b>
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

---

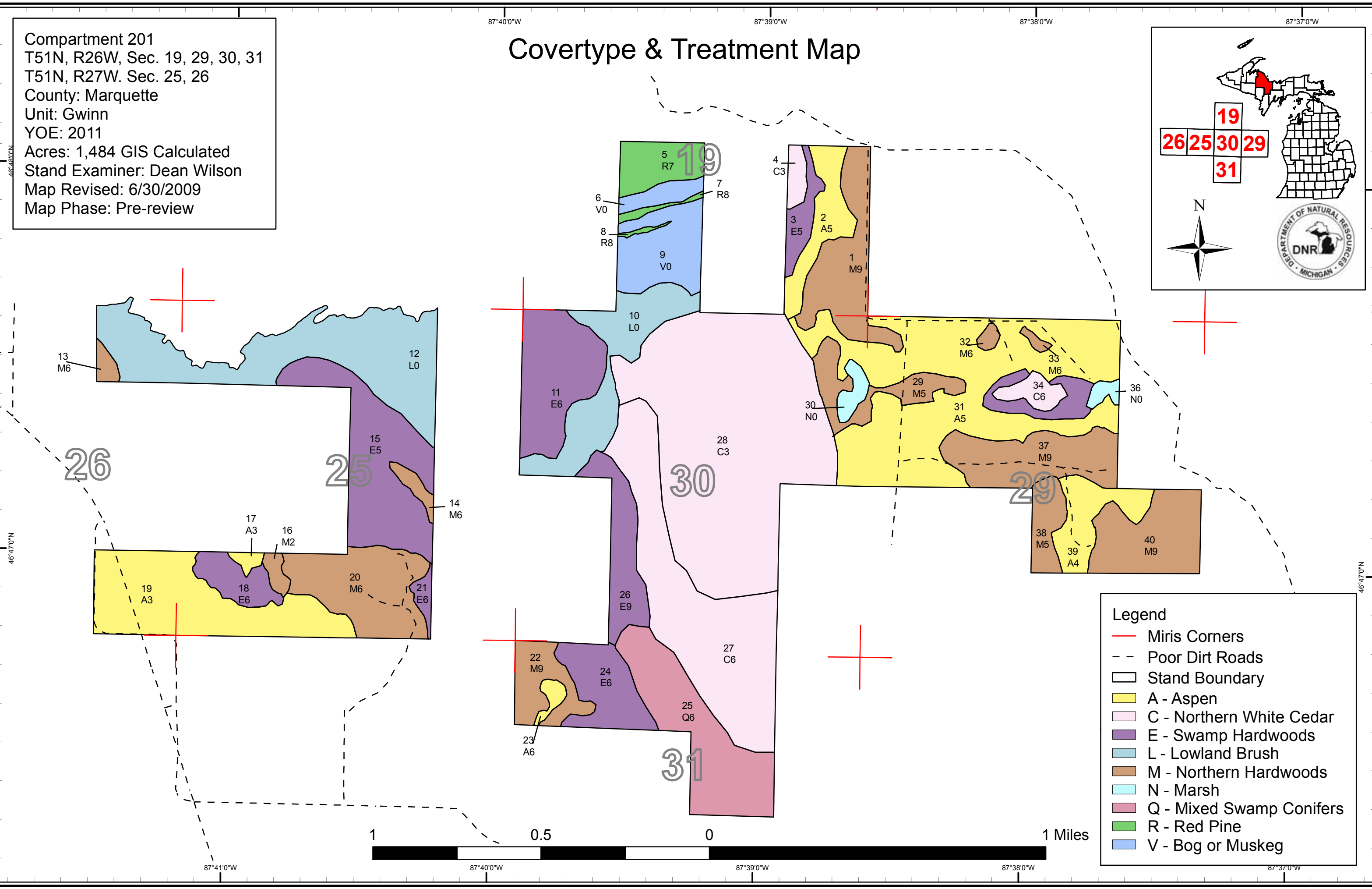
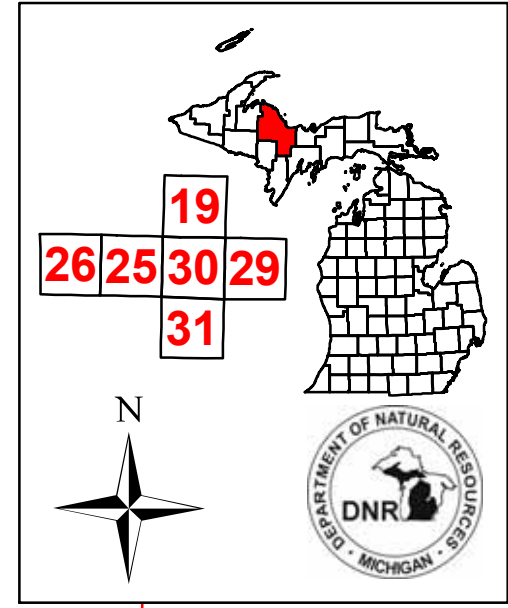
TREATMENT LIMITING FACTORS:

---

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

# Covertime & Treatment Map

Compartment 201  
 T51N, R26W, Sec. 19, 29, 30, 31  
 T51N, R27W, Sec. 25, 26  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2011  
 Acres: 1,484 GIS Calculated  
 Stand Examiner: Dean Wilson  
 Map Revised: 6/30/2009  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- Poor Dirt Roads
- Stand Boundary
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- Q - Mixed Swamp Conifers
- R - Red Pine
- V - Bog or Muskeg



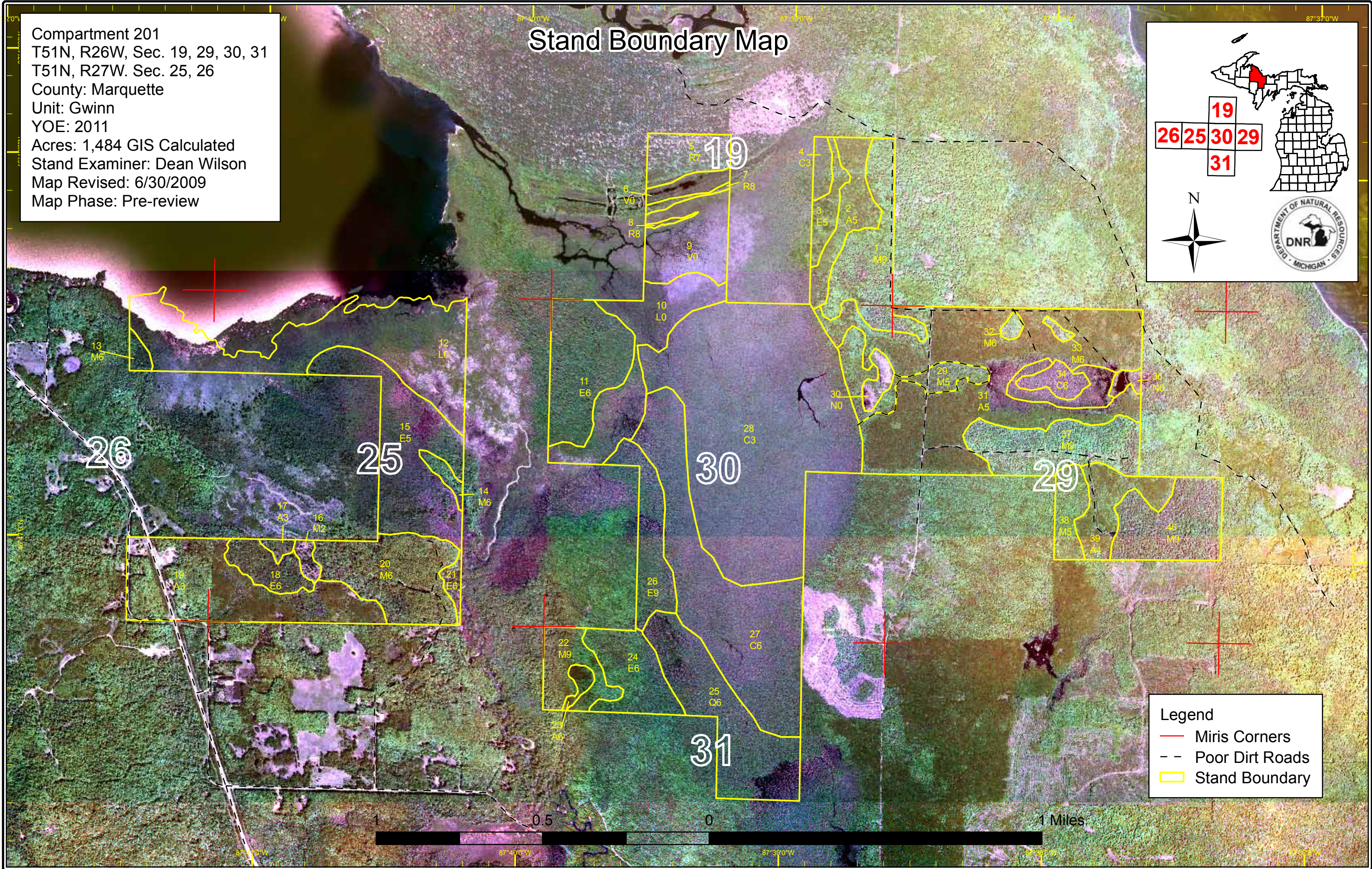
# Stand Boundary Map

Compartment 201  
T51N, R26W, Sec. 19, 29, 30, 31  
T51N, R27W, Sec. 25, 26  
County: Marquette  
Unit: Gwinn  
YOE: 2011  
Acres: 1,484 GIS Calculated  
Stand Examiner: Dean Wilson  
Map Revised: 6/30/2009  
Map Phase: Pre-review

19  
26 25 30 29  
31

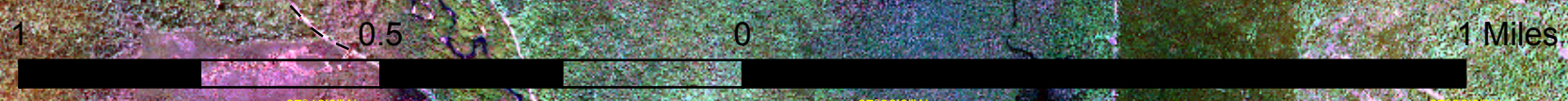
N

DEPARTMENT OF NATURAL RESOURCES  
DNR  
MICHIGAN



**Legend**





- Miris Corners
- - Poor Dirt Roads
- Stand Boundary

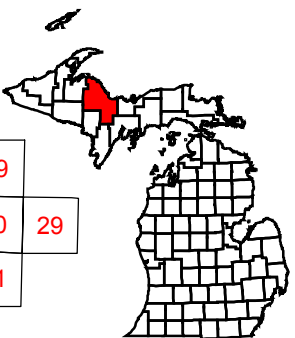




# Dedicated & Proposed Special Conservation Area Map

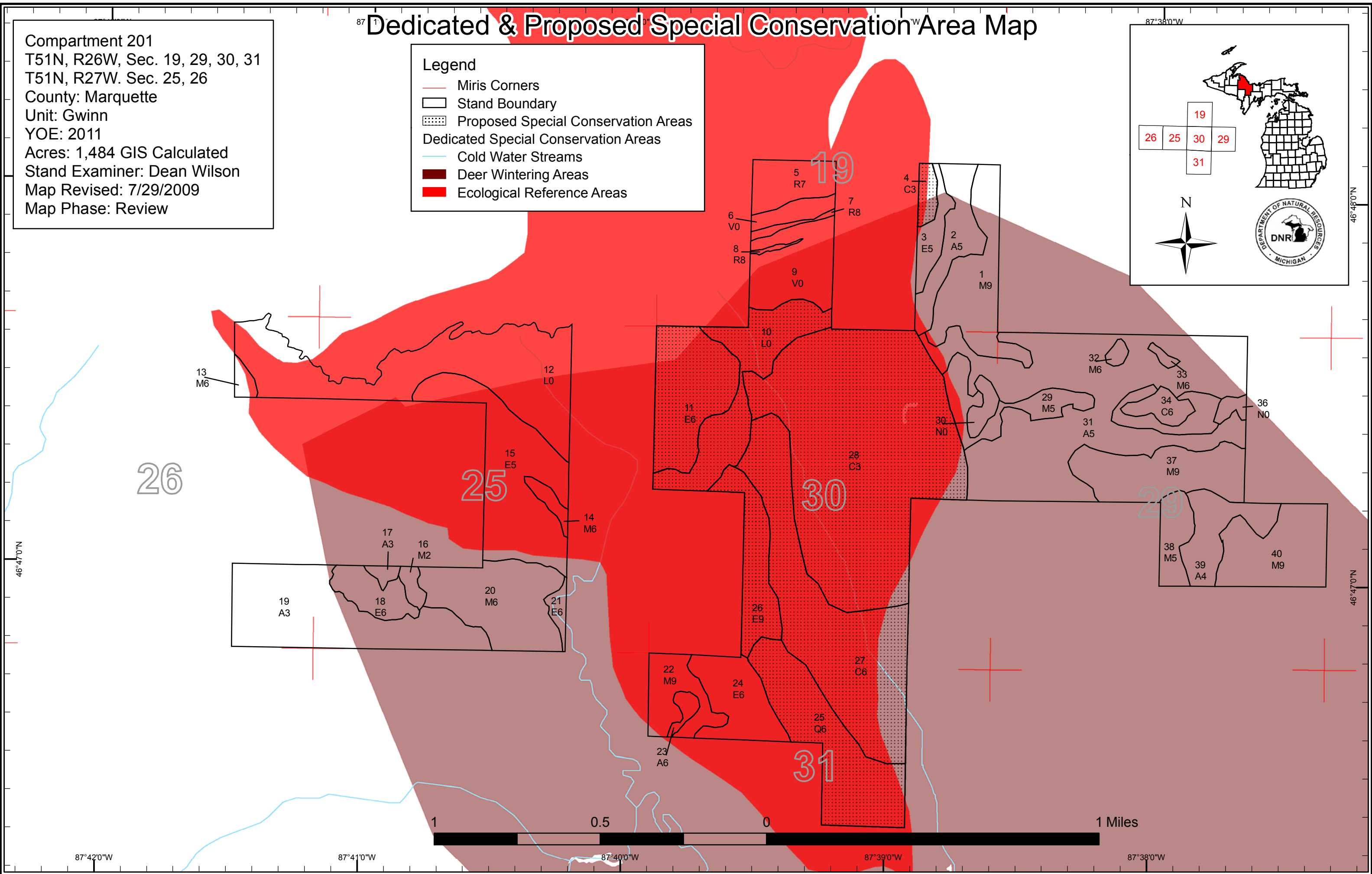
Compartment 201  
 T51N, R26W, Sec. 19, 29, 30, 31  
 T51N, R27W, Sec. 25, 26  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2011  
 Acres: 1,484 GIS Calculated  
 Stand Examiner: Dean Wilson  
 Map Revised: 7/29/2009  
 Map Phase: Review

**Legend**

-  Miris Corners
-  Stand Boundary
-  Proposed Special Conservation Areas
- Dedicated Special Conservation Areas**
-  Cold Water Streams
-  Deer Wintering Areas
-  Ecological Reference Areas



87°38'0"W  
 46°48'0"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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.