



**GWINN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #84    ENTRY YEAR:**  
**Compartment Acreage: 1896      County: Marquette**

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**Revision Date:** 8/21/2008

**Stand Examiner:** Jerry Mohlman

**Legal Description:** T43NR24W Sections 13,14,15

**Management Goals:** This compartment contains extensive lowland areas, mostly cedar with some black ash. Most of these areas are in special management either for riparian values, deeryard, or potential old growth due to the large intact areas. The stands proposed for harvest this entry period are three small hardwood stands for their second thinning and one small aspen final harvest. We will not cut any hemlock, cedar, white pine or red pine in any harvests. We will retain all species represented and all size classes including all large legacy trees in the hardwood harvests. We will retain at least two den trees per acre if present. We will retain at least 50% of existing cherry, w. spruce, yellow birch in these hardwood stands. Riparian areas will be protected.

**Soils and topography:** Level to rolling uplands, low drainages and swamps. Cathro-Ensley complex, Shoepac-Ensley complex, Charlevoix-Ensley complex, Trenary silt-loam, Nahma-Sundell complex, Carbondale and Tawas soils

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Some small individually owned hunting camps, mostly a large block of state land.

**Unique, Natural Features:**

**Archeological, Historical, and Cultural Features:** Old logging camp site in compartment.

**Special Management Designations or Considerations:** Riparian management stands and potential old growth stands 14,15,16,18,20,22,32,33,38. Stands 18 and 22 were added this entry period for watershed continuity.

**Watershed and Fisheries Considerations:** Small headwater streams in section 14 and NW part of 15.

**Wildlife Habitat Considerations:** Maintain and protect riparian "Special Conservation Area" stands as movement corridors and core habitat for a multitude of game and nongame wildlife species/communities. Many of these conifer stands provide critical winter deer yarding areas. Promote habitat legacies in all "Special Conservation Area" stands. Maintain or enhance biodiversity in northern hardwood stands through conservation/sustainment of all associated overstory and understory species, with a particular focus on providing mesic conifer species in all forest strata. Strive for the best possible age class distribution between aspen stands while retaining the diversity of associate species within the stands

**Mineral Resource and Development Concerns and/or Restrictions:** Compartment 84 Sections 13 - 15, T43N-R24W, Marquette County

Surface sediments consist of medium-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. The Trenton and Black River are quarried for stone in the UP. There are no gravel pits located in this area and potential appears to be limited. Abandoned iron mines are located ten miles to the northwest. Part of this area was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:** Good along the west side off Hamilton Homestead road, the rest of the compartment is poor due to blocked access from private land or extensive wetland.

**Survey Needs:** No corners requested this entry period.

**Recreational Facilities and Opportunities:** Traditional outdoor recreation.

**Fire Protection:** Fire frequency is low, response time medium.

**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: 84

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			110	103	373				8	5									599
Black Spruce										38									38
Cedar									157	17	46	437							657
Grass	6																		6
LowInd Brush	37																		37
LowInd Poplr					20	23													43
Mx Swmp Cnfr								23	65	61	53								202
Spruce Fir				28	23														51
Swamp Hrdwds								11		27		61							99
Upland Hdwds					5													157	162
Water	2																		2
<b>Total</b>	<b>45</b>		<b>110</b>	<b>131</b>	<b>421</b>	<b>23</b>		<b>34</b>	<b>230</b>	<b>148</b>	<b>99</b>	<b>498</b>						<b>157</b>	<b>1896</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: **84**

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	599																										599
S Black Spruce		38																									38
C Cedar				657																							657
G Grass					6																						6
L Lowlnd Brush									37																		37
P Lowlnd Poplr										43																	43
Q Mx Swmp Cnfr												202															202
F Spruce Fir																			51								51
E Swamp Hrdwds																				99							99
M Upland Hdwds																								162			162
Z Water																									2		2
<b>Total</b>	599	38		657	6				37	43		202							51	99				162	2		1896

ESCANABA RIVER STATE FOREST

GWINN FOREST MGT UNIT

MARQUETTE COUNTY

COMPARTMENT: **84**

*Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS*

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8752 Cds	Hardwood	182 Cds
Hardwood	322 Mbf	Hardwood	4 Mbf
Softwood	11958 Cds	Softwood	4 Cds
Softwood	89 Mbf	Sum CutVol	194 Cds
Sum TotVol	21532 Cds		
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	43
1896			

**GWINN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 84**

**Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
<b>34</b>	<b>M6</b>	16		55	northern hardwood	unevenaged	selection	2		stand with fdf potential
<p>comnts Fmd : Thinned 1989. Good quality stand. Crowns closed. A few gaps with good regeneration 6' tall. Light thinning prescribed, not real high BA in some areas. South part more open with wet areas. A few big yellow birch south.</p> <p>Wld : Retain all white pine, white spruce, hemlock, and cedar. Strive to leave some larger diameter hardwood trees which have good potential for cavity development. Conserve yellow birch. Retain at least 50% of the spruce in the stand.</p>										
<b>36</b>	<b>A6</b>	5	78	58	aspen (upland)	mature	final harvest	2		
<p>comnts Fmd : Small patch of mature aspen. Aspen mortality occurring. Poor timber quality red maple. Not well-stocked in hardwood. Wet crossing to get to stand.</p> <p>Wld : Retain any white pine, cedar, oak, and hemlock. Retain at least 50% of the spruce.</p>										
<b>37</b>	<b>M6</b>	12		55	northern hardwood	unevenaged	selection	2		stand with fdf potential
<p>comnts Fmd : Thinned permit #32-93-02. Mostly good quality sugar maple stand. Good regeneration 10-15' tall. Would be a light thinning, mostly to open existing gaps and thin crowded areas.</p> <p>Wld : Retain any white pine, hemlock, and cedar. Retain at least 50% of the black and white spruce. Strive to retain some larger diameter hardwood trees that have good cavity development potential.</p>										
<b>40</b>	<b>M9</b>	10		55	northern hardwood	unevenaged	selection	2		
<p>comnts Fmd : Thinned permit #32-93-02. Mostly red maple. Not the best quality but good for red maple. Larger sawlogs. Some cedar and hemlock. Hemlock is not healthy. Good red maple regeneration in gaps and patches. Ready for another thinning.</p> <p>Wld : Retain all cedar, hemlock, and white pine. Retain some large diameter hardwood trees with good cavity development potential. Leave at least 50% of the spruce.</p>										
<b>Total Acres.....</b>		<b>43</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 84**

**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**

Compartment 84  
 T43N, R24W, Sec. 13, 14, 15  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2010  
 Acres: 1,896 GIS Calculated  
 Stand Examiner: Gerald Mohlman  
 Map Revised: 7/14/2008  
 Map Phase: Pre-review

# Cover Type and Treatment

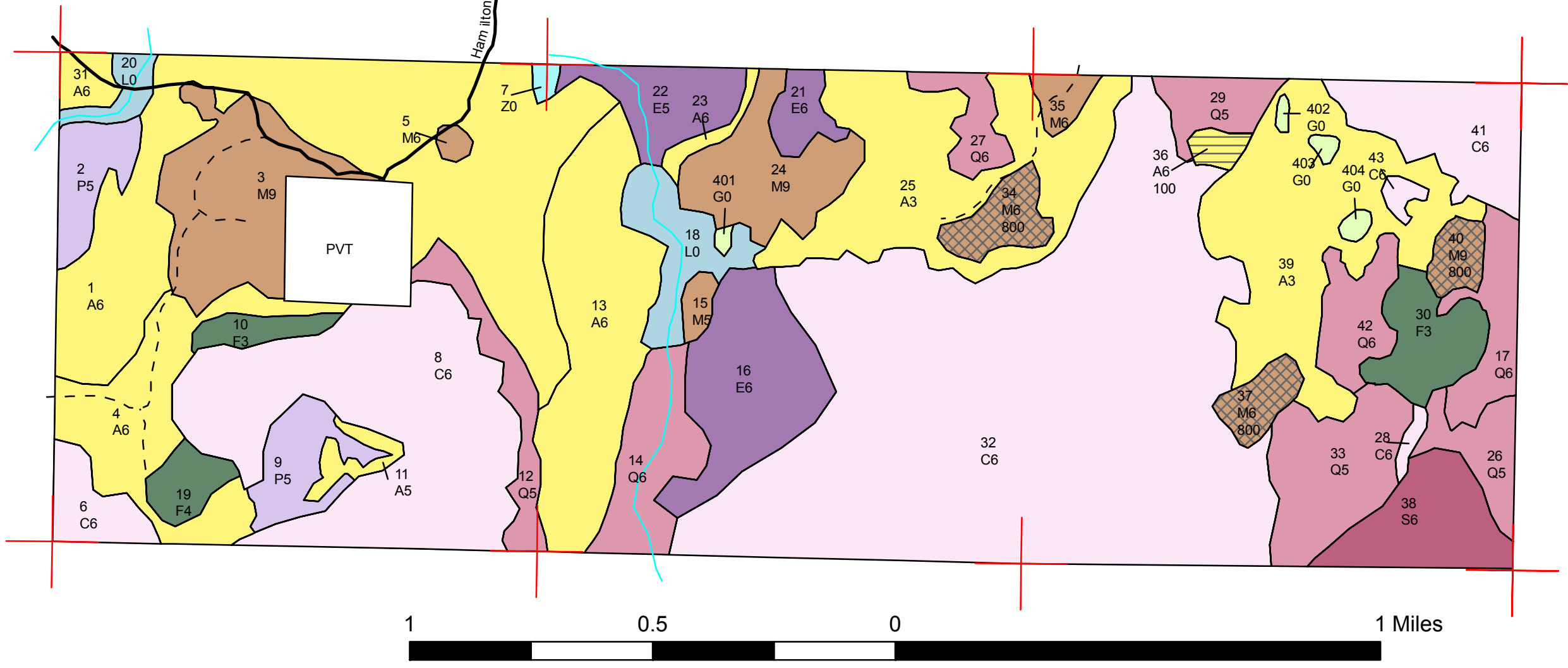
**Legend**

- Miris Corners
- Paved
- Poor Dirt Roads
- Water Features
- Stand Boundary
- 100 - Final Harvest
- 800 - Selection
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- S - Black Spruce Swamp
- Z - Water

**151413**

N

DEPARTMENT OF NATURAL RESOURCES  
DNR  
MICHIGAN



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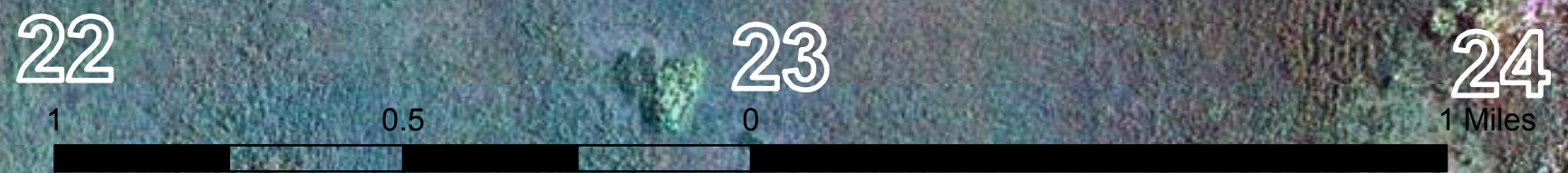
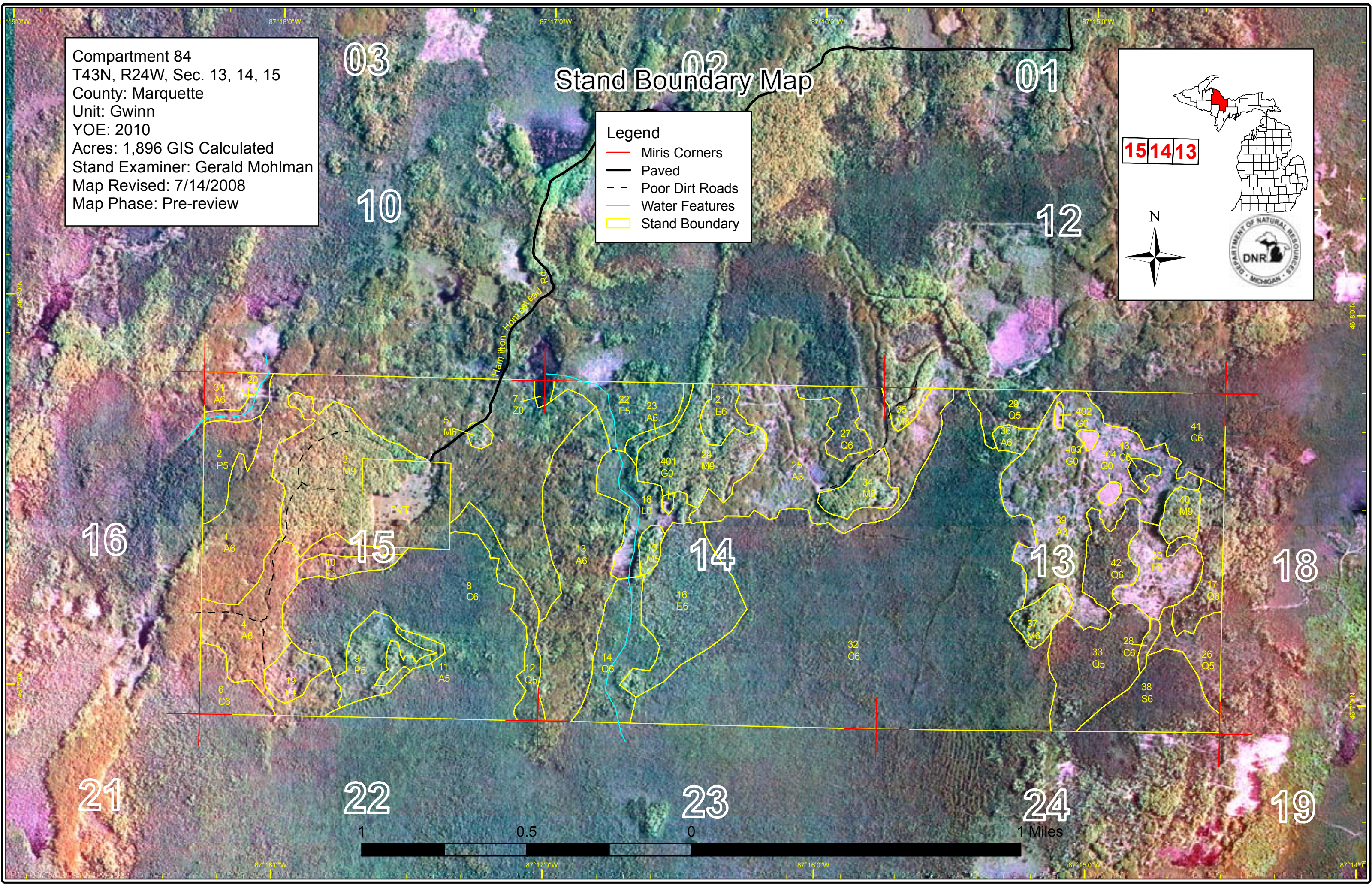
# Stand Boundary Map

**Legend**

- Miris Corners
- Paved
- Poor Dirt Roads
- Water Features
- Stand Boundary

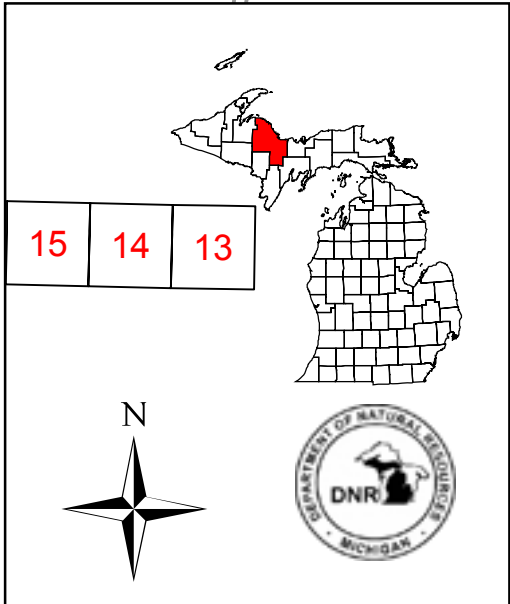
**151413**

N



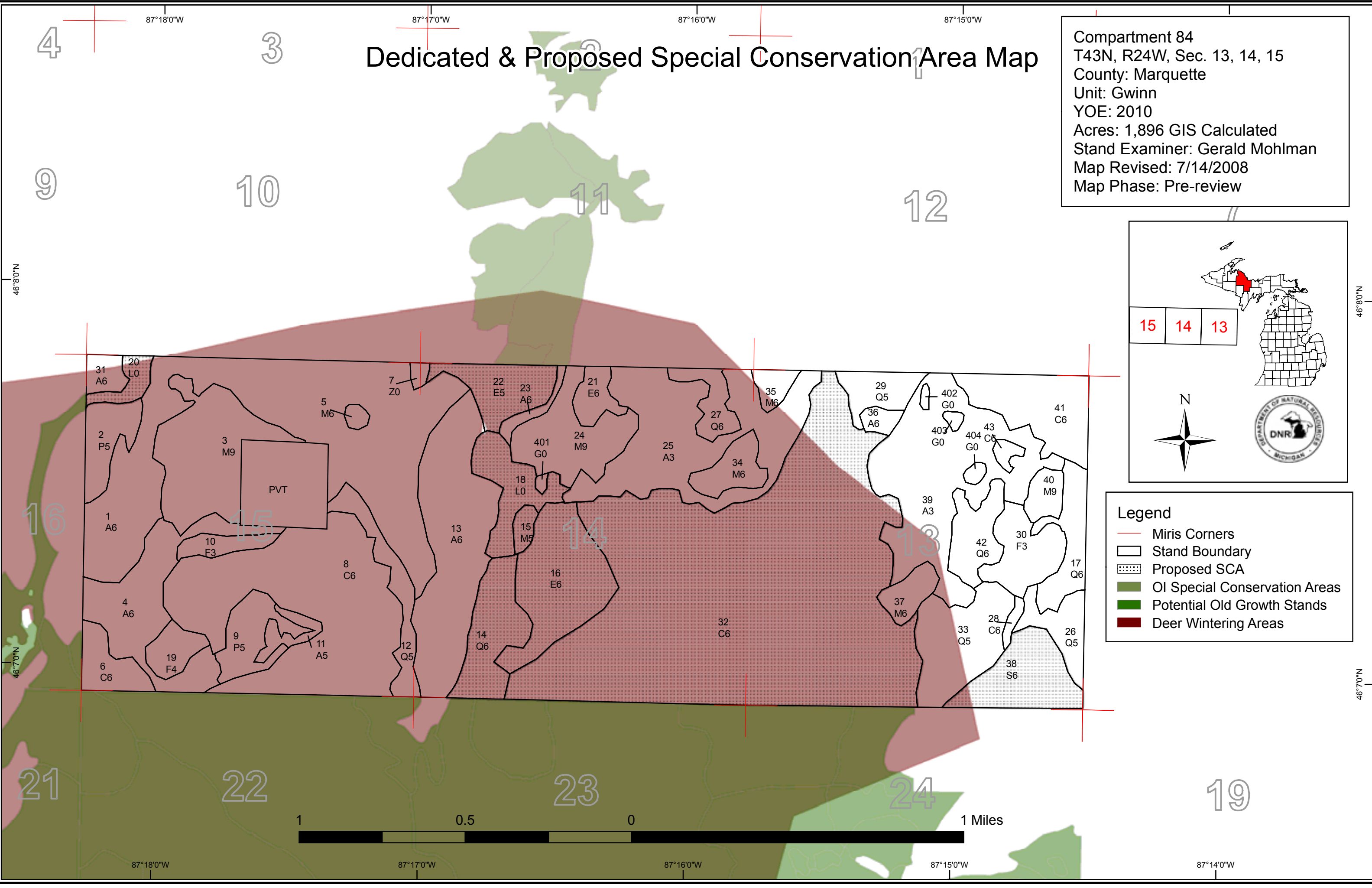
# Dedicated & Proposed Special Conservation Area Map

Compartment 84  
 T43N, R24W, Sec. 13, 14, 15  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2010  
 Acres: 1,896 GIS Calculated  
 Stand Examiner: Gerald Mohlman  
 Map Revised: 7/14/2008  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- Stand Boundary
- Proposed SCA
- OI Special Conservation Areas
- Potential Old Growth Stands
- Deer Wintering Areas



87°18'0"W      87°17'0"W      87°16'0"W      87°15'0"W      87°14'0"W

46°8'0"N  
46°7'0"N

46°8'0"N  
46°7'0"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
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.