



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 162 ENTRY YEAR: 2010**

**Compartment Acreage: 1273**

**County: Roscommon**

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**Revision Date:** 6-27-2008

**Stand Examiner:** Jason Lewicki

**Legal Description:** T21N R03W Sections 20 & 29

**RMU (if applicable):**N/A

**Management Goals:** To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

**Soil and Topography:** Soils on the uplands are consistently grayling sands while Rifle Peat in can be found in lower areas wet. Topography is generally flat throughout the entire compartment.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The entire compartment is under state ownership as well as most of the entire township.

**Unique, Natural Features:** None known.

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

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

**Watershed and Fisheries Considerations:** None Known.

**Wildlife Habitat Considerations:** Provide and maintain habitat for a variety of game and non game species.

**Mineral Resource and Development Concerns and/or Restrictions:** Sections 20 & 29, T21N-R3W, Roscommon County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for brick making clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. Gravel pits are not located in the area and potential appears to be limited. Headquarters Field is located in this Compartment. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. This Compartment that is not already leased has been nominated for the May 2008 oil and gas lease auction.

**Vehicle Access:** Vehicle access is very good due to high ground and numerous forest roads.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** Good vehicle access provides excellent hunting opportunities. An ORV and snowmobile trail run through the compartment.

**Fire Protection:** A large area in and around this compartment are pine cover types which pose a large wildfire potential. Wildfire response time is high due to its location and distance from the Houghton Lake Field office.

**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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 162

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		11		96		54													161
Bog or Marsh	32																		32
Cedar									5			73							78
Jack Pine			80	6	1														87
Lowlnd Brush	77																		77
Marsh	29																		29
Mx Swmp Cnfr												19							19
Non Stocked	16																		16
Oak										42									42
Red Pine		20	10						335	181									546
Upland Hdwds						8													8
White Pine							128		4			32		14					178
<b>Total</b>	<b>154</b>	<b>31</b>	<b>90</b>	<b>102</b>	<b>1</b>	<b>62</b>	<b>128</b>		<b>344</b>	<b>223</b>		<b>124</b>		<b>14</b>					<b>1273</b>

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 162

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	161																										161	
V Bog or Marsh			32																									32
C Cedar				78																								78
J Jack Pine							87																					87
L Lowlnd Brush									77																			77
N Marsh											29																	29
Q Mx Swmp Cnfr												19																19
X Non Stocked													16															16
O Oak														42														42
R Red Pine															546													546
M Upland Hdwds																								8			8	
W White Pine																										178	178	
<b>Total</b>	161		32	78			87		77		29	19	16	42	546									8		178	1273	

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **162**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3074 Cds	Hardwood	404 Cds
Hardwood	99 Mbf	Hardwood	15 Mbf
Softwood	7075 Cds	Softwood	373 Cds
Softwood	3686 Mbf	Softwood	626 Mbf
Sum TotVol	17719 Cds	Sum CutVol	2059 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1273		100	

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 162 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>R9</b>	16	77	55	red pine	mature	delayed removal	1		
comnts Fmd : Red pine stand with oak and white pine understory. Some areas of M3 understory. Harvest using overstory removal leaving 10-30 BA of red pine. Release oak and white pine understory.										
<b>22</b>	<b>O6</b>	20	79	55	oak	mature	delayed removal	1		
comnts Fmd : Poor quality oak stand in decline with some scattered red and jack pine. Good advanced white pine understory some reaching pole timber size. Remove oak overstory leaving some scattered oak for mast and seed. Limit to shortwood operations to protect white pine. Plant to appropriate pine species if understory is determined to be understocked.										
<b>109</b>	<b>R9</b>	30	77	58	red pine	immature	final harvest	1	planting	
comnts Fmd : Area of heavier red pine and less understory than surrounding stand 9. Final harvest stand leaving some super canopy trees for diversity, visuals and retention. Plant area to red pine for red pine sustainability within the compartment.										
<b>133</b>	<b>R9</b>	31	79	58	red pine	mature	delayed removal	1		
comnts Fmd : Stand has had jack pine and some oak removed in the past. Has overstory of red pine and poor quality oak. Oak is in serious decline. Understory is jack pine, white pine along with good advanced oak regeneration. Overstory removal leaving some super canopy red pine and oak. Plant to red pine if understory is determined to be understocked.										
<b>230</b>	<b>O5</b>	3	79	58	oak	mature	final harvest	1		
comnts Fmd : Small stand of mature oak and pine. Nice understory of oak and all pines. Final harvest using 4" rule and leave some scattered oak and pine. Manage for a mix of oak and pine. Plant area to jack pine if understory is insufficient.										
<b>Total Acres.....</b>		<b>100</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 162**

**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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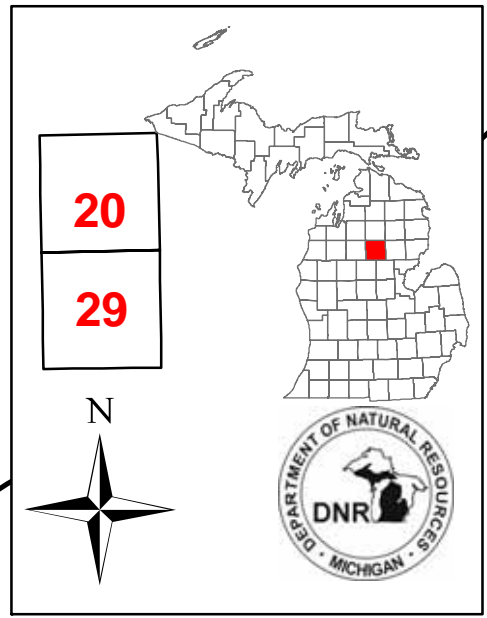
TREATMENT LIMITING FACTORS:

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

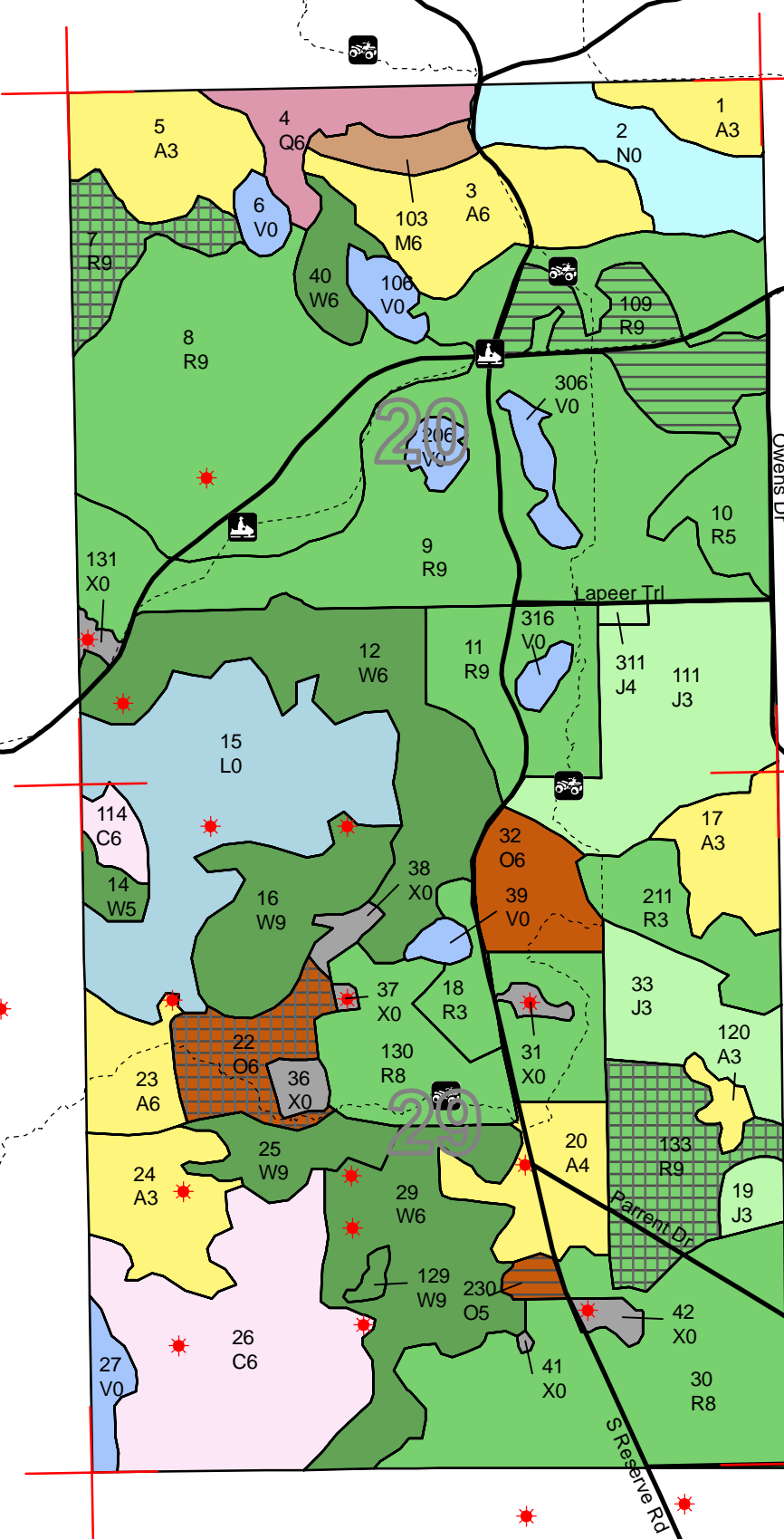
# Covertypes & Treatment Map

Compartment 162  
 T21N, R03W, Sec. 20, 29  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 1,273 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 8/04/2008  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- Trails
- ★ Gas Wells
- ORV Trails
- Snowmobile Trails
- Stand Boundary
- ▨ 100 - Final Harvest
- ▧ 116 - Final Harvest/Planting
- ▩ 600 - Delayed Removal
- A - Aspen
- C - Northern White Cedar
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- Q - Mixed Swamp Conifers
- R - Red Pine
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked



# Stand Boundary Map

Compartment 162  
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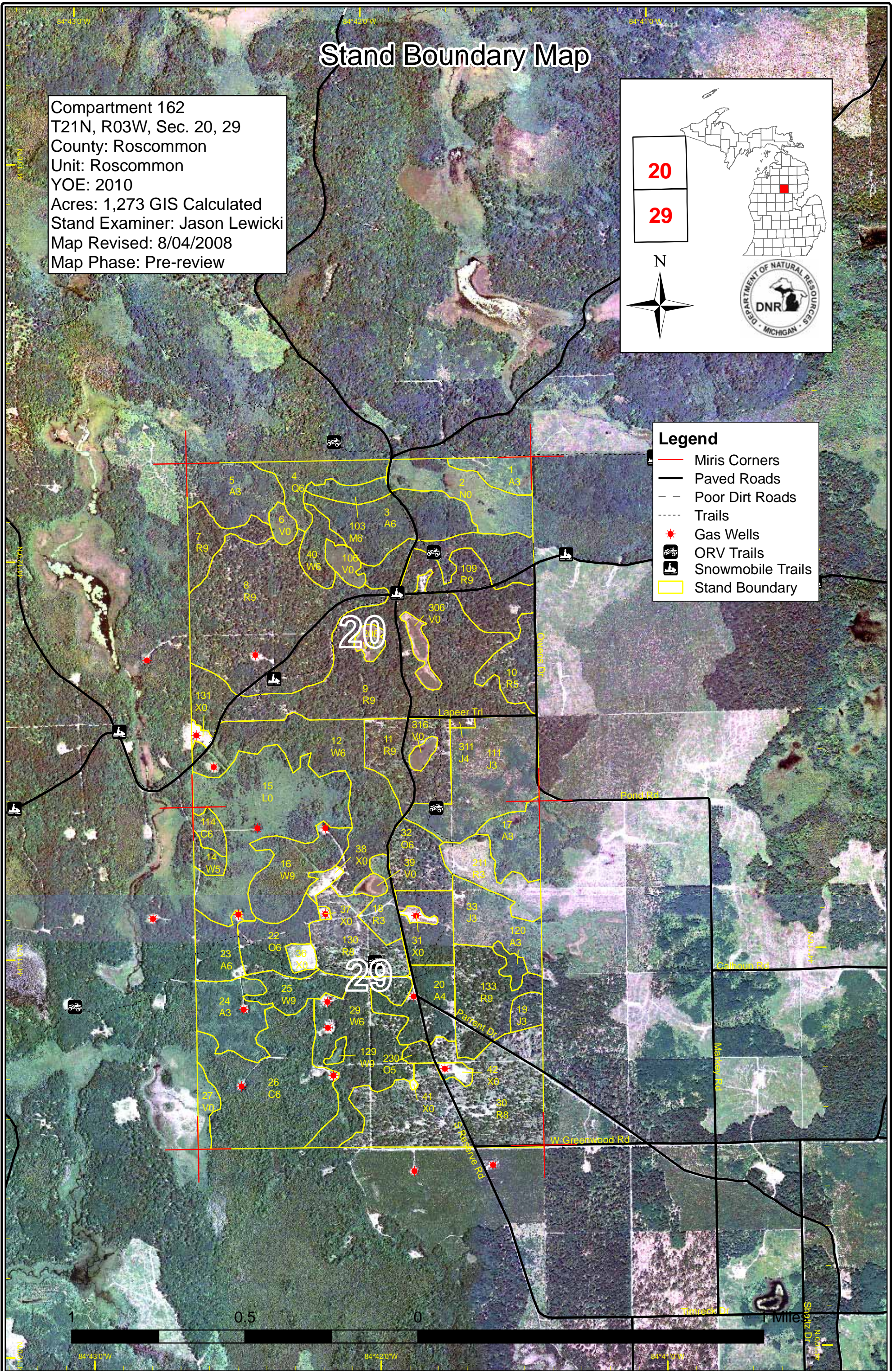
20  
29

N

DEPARTMENT OF NATURAL RESOURCES  
DNR  
MICHIGAN

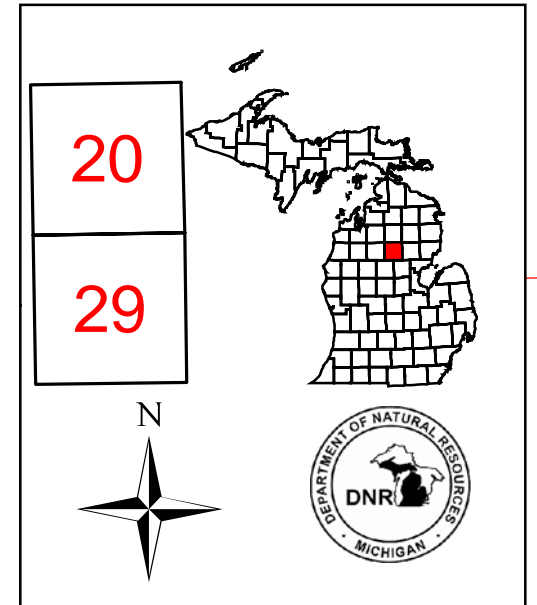
**Legend**

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Trails
- Gas Wells
- ORV Trails
- Snowmobile Trails
- Stand Boundary

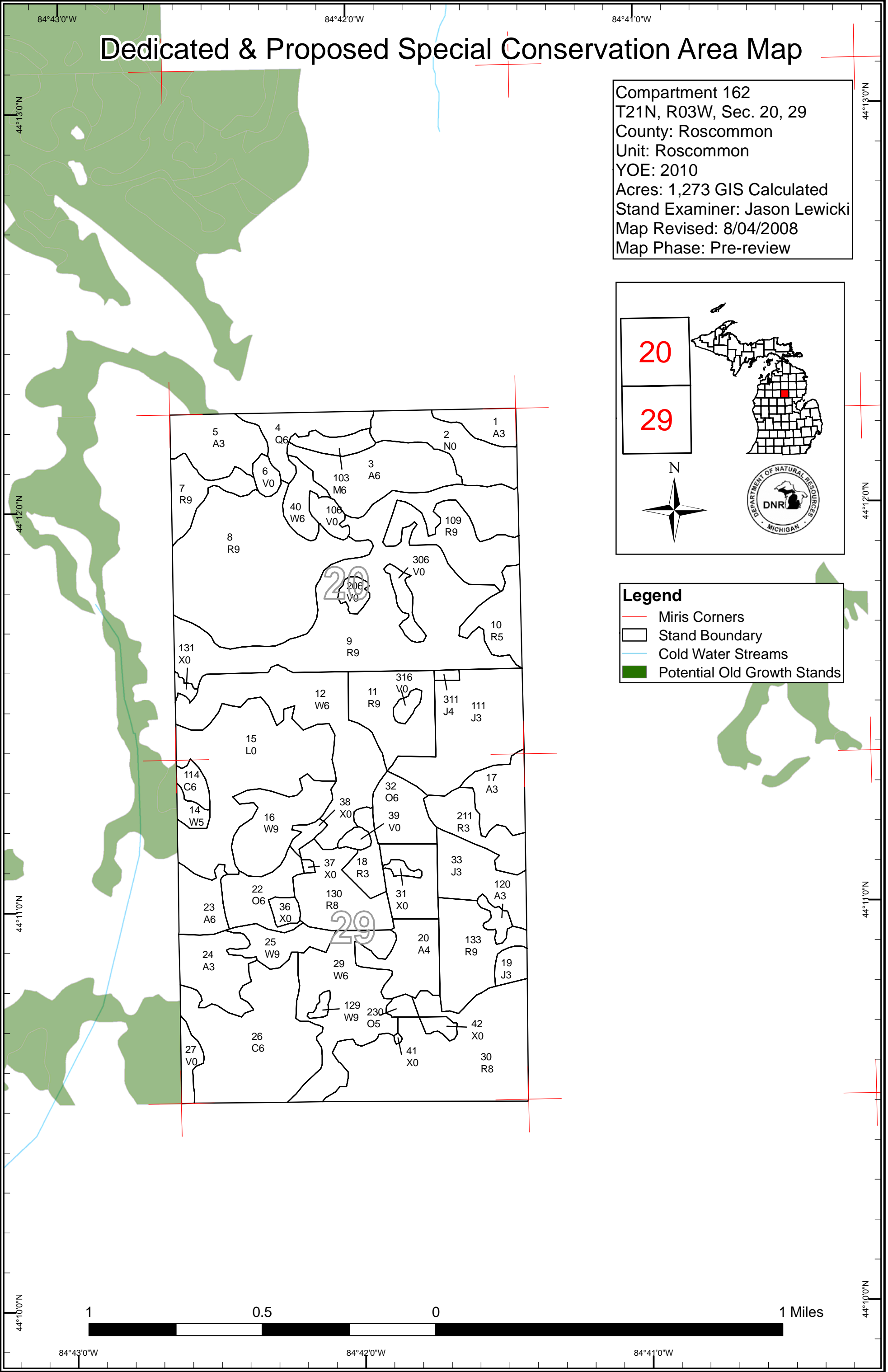


# Dedicated & Proposed Special Conservation Area Map

Compartment 162  
T21N, R03W, Sec. 20, 29  
County: Roscommon  
Unit: Roscommon  
YOE: 2010  
Acres: 1,273 GIS Calculated  
Stand Examiner: Jason Lewicki  
Map Revised: 8/04/2008  
Map Phase: Pre-review



- Legend**
- Miris Corners
  - Stand Boundary
  - Cold Water Streams
  - 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.
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.