



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 191    ENTRY YEAR: 2010**

**Compartment Acreage: 2122      County: Roscommon**

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**Revision Date:** 5/20/08

**Stand Examiner:** D. Ekdom

**Legal Description:** T23N R1E Sections 23, 24, and 26  
T23N R1E Sections 19 and 30

**Management Goals:** Maintain current age and species diversity in a range of early and late successional ecosystems.

**Soil and Topography:** Soils are primarily Graycalm and Montcalm sands. Terrain ranges from level to moderately rolling in Section 19, E1/2 of Section 24, and Section 30, to moderately hilly in Section 23, W1/2 of Section 24, and Section 26. Numerous small bowls or depressions are scattered throughout the compartment containing grass, upland brush, water, lowland brush, marsh, or bog cover types depending on moisture regime and position in the landscape.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Most of the compartment is a solid block of state land with just a few private in-holdings on the compartment edges. Private property is permanent residences on wooded acreages or seasonal cabins on acreage and numerous smaller sub-divisions with permanent and seasonal residences.

**Unique, Natural Features:** Potential for T and E species exists due to their presence on lands surrounding this compartment. However, there are currently no MNFI Element Occurrences in this compartment.

**Archeological, Historical, and Cultural Features:** Numerous SHPO hits within this compartment which will need to be taken into account when setting up the treatments in the compartment.

**Special Management Designations or Considerations:** Two W9 stands have been identified as proposed SCA's as they are good examples of the dry-mesic northern forest natural community.

**Watershed and Fisheries Considerations:** South tip of Wallin Lake is in the north end of Section 19 and one small pond/marsh in Section 24. Numerous small cedar swales, bogs, marshes, and lowland brush cover types are spread throughout the compartment.

**Wildlife Habitat Considerations:** Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of ice-contact sand and gravel. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. A gravel pit is located two miles to the northwest and potential should be good. Part of the Rose City Field is

located three miles to the north. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. Most of the State lands in the Compartment are leased for oil and gas exploration.

**Vehicle Access:** Generally good access throughout the compartment via county roads and forest two-tracks, although access is somewhat limited by the terrain.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** Compartment contains the connector trail between the Ambrose Lake ORV trail and the Ogemaw Hills ORV trail. Heavy use for hunting and other recreation due to the proximity to West Branch and St. Helen.

**Fire Protection:** Most of the compartment is made up of non-volatile fuel types and it is close to the West Branch Field Office. However, there is a well developed wildland-urban interface in this compartment and the surrounding area.

**Additional Compartment Information:** This compartment contains numerous unauthorized ORV trails and two-tracks which may need to be addressed if the problem becomes worse. Proposed treatments in this compartment include 75 acres of red pine thinning, 75 acres of oak shelterwood/seed tree cuts, and 80 acres of final harvests in aspen and jack pine. In addition, 52 acres of failed oak regeneration cuts from last YOE are proposed to be roller-chopped to control cherry brush and then planted to red pine.

- **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

OGEMAW COUNTY

COMPARTMENT: 191

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	973																										973
S Black Spruce		7																									7
V Bog or Marsh			18																								18
C Cedar				27																							27
G Grass					123																						123
J Jack Pine							14																	16			30
L Lowlnd Brush									2																		2
N Marsh											13																13
Q Mx Swmp Cnfr												4															4
X Non Stocked													1														1
O Oak														640	3												643
R Red Pine																116											116
U Upland Brush																52							54				106
M Upland Hdwds																								35		35	
Z Water																									2	2	
W White Pine																										22	22
<b>Total</b>	<b>973</b>	<b>7</b>	<b>18</b>	<b>27</b>	<b>123</b>		<b>14</b>		<b>2</b>		<b>13</b>	<b>4</b>	<b>1</b>	<b>640</b>	<b>171</b>								<b>54</b>	<b>51</b>	<b>2</b>	<b>22</b>	<b>2122</b>

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: **191**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	14294 Cds	Hardwood	2259 Cds
Hardwood	3330 Mbf	Hardwood	373 Mbf
Softwood	4405 Cds	Softwood	1310 Cds
Softwood	566 Mbf	Softwood	80 Mbf
Sum TotVol	26491 Cds	Sum CutVol	4475 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
2122		230	

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 191 Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
9	O9	11	87	61	oak	immature	shelterwood-prep	2		
comnts Fmd : MIX OF RED, WHITE, AND N. PIN OAK, ALL OAK OF DECENT QUALITY, SCATTERED RED MAPLE/ASPEN PULP & SAWLOGS, SHELTERWOOD PREP BY REMOVING LOWER QUALITY AND SMALLER OAK VIA MARKING TO TAKE AND REMOVE ALL RED MAPLE AND ASPEN VIA SPEC.										
11	O9	43	87	69	oak	mature	shelterwood-seed	2		
comnts Fmd : DECENT QUALITY OAK SAWLOG STAND, LARGE TREES WITH VERY OPEN U.S., SCATTERED SOLITARY ASPENS, CUT EVERYTHING BUT OAK AND UNDER-PLANT RED PINE AS A NURSE CROP OR DO NOT PLANT AND RETAIN OPEN AREAS AS OAK-BARRENS										
21	O6	6	102	54	oak	mature	shelterwood-seed	1	planting	
comnts Fmd : STAND LEFT AS "BUFFER" LAST TIME, OAK AND RED MAPLE WITH SCATTERED ASPEN AND PINE, VERY LITTLE U.S., SEED TREE BY MARKING OAK TO LEAVE (30-40 SF RESIDUAL) AND RETAINING ALL CONIFERS FOR DIVERSITY AND VISUAL, PLANT WHITE PINE IN AREAS THAT DON'T REGENERATE TO HARDWOODS										
29	R6	19	39	52	red pine	immature	thinning	1		
comnts Fmd : R6 STAND IN DIRE NEED OF A FIRST THINNING, SCATTERED HARDWOODS AND WHITE PINE SHOULD BE LEFT WHERE POSSIBLE, STEEPER TERRAIN IN SPOTS SO ADDITIONAL TREES MAY NEED TO BE MARKED FOR MANUVERABILITY, CAN LAND IN "G" TO THE WEST (See locked comment)										
37	R6	10	39	51	red pine	immature	thinning	1		
comnts Fmd : R6 NEVER THINNED B4, THIN BY REMOVING EVERY THIRD ROW, WILL NEED TO MARK EVERY TREE OR HAVE CONFIDENCE MARKS WITHIN ROWS, LEAVE HARDWOODS (ESPECIALLY OK) UNLESS NEEDED FOR ACCESS										
46	J6	16	45	53	northern hardwood	immature	final harvest	2		
comnts Fmd : MIX OF LOW QUALITY MATURE/IMMATURE JACK PINE AND HARDWOODS, FINAL HARVEST, ANY COMBINATION OF HARDWOODS AND JACK PINE TO A FULLY STOCKED STAND IS ACCEPTABLE, PLANT JACK PINE IF STAND IS LESS THAN FULLY STOCKED, MARK TWO QUARTER ACRE ISLANDS TO LEAVE FOR RETENTION										
47	A6	36	56	67	aspen (upland)	mature	final harvest	1		
comnts Fmd : 2 AGED ASPEN STAND WITH THE OLDEST ASPEN APPROX 55 YEARS OLD AND THE YOUNGEST ASPEN APPROX. 30 YEARS OLD, OLDER ASPEN IS DECLINING SO CUT NOW TO REGENERATE ASPEN, DORMANT SEASON CUT TO MAXIMIZE SPROUTING OF OLDER ASPEN IN THE SPRING, LEAVE AREA OF WHITE PINE SAWLOGS IN THE CENTER OF THE STAND AS RETENTION AND ADDITIONAL ISLANDS AS NEEDED TO MEET RETNETION GUIDELINES, EXPAND INTO SURROUNDING STANDS WHERE POSSIBLE										
52	R6	13	39	55	red pine	immature	thinning	2		
comnts Fmd : CUT EVERY THIRD ROW IN JANUARY 2002, THIN BY INDIVIDUAL TREE MARKING TO IMPROVE QUALITY OF RESIDUAL TREES, THIN TO 120 SF										
53	U3	52	6	55	red pine	immature		0	planting	
comnts Fmd : O9 STAND CUT 2002 AND REGENERATED TO A FIELD OF CHERRY AND LITTLE ELSE, ROLLERCHOP AND TRENCH/PLANT RED PINE TO A FULLY STOCKED STAND										
56	R6	16	39	55	red pine	immature	thinning	2		
comnts Fmd : CUT EVERY THIRD ROW IN JANUARY 2002, NICE WIDE ROWS, THIN BY INDIVIDUAL TREE MARKING TO IMPROVE QUALITY OF THE STAND, THIN TO 120 SF RESIDUAL										
60	R6	13	48	55	red pine	immature	thinning	2		
comnts Fmd : EVERY 3RD ROW REMOVED IN 2002, THIN BY INDIVIDUAL TREE MARKING TO IMPROVE THE QUALITY OF THIS STAND, THIN TO 120 SF RESIDUAL										
61	O9	15	86	57	oak	mature	shelterwood-prep	1		
comnts Fmd : POOR TO FAIR QUALITY PIN, WHITE, AND RED OAKWITH SCATTERED WHITE PINE SAPS/PULP/SAWLOGS, MARK 30-40 SF OF RED AND WHITE OAK LOGS TO LEAVE AND RETAIN R/W PINE CONIFER COMPONENT										
63	R6	4	48	55	red pine	immature	thinning	2		
comnts Fmd : EVERY 3RD ROW REMOVED IN 2002, THIN BY INDIVIDUAL TREE MARKING TO IMPROVE THE QUALITY OF THIS STAND, THIN TO 120 SF RESIDUAL										
77	A6	28	42	62	aspen (upland)	mature	final harvest	1		
comnts Fmd : NICE A6 STAND TO CUT EARLY AS PARTS ARE OLDER THAN 42 YEARS OLD, THERE ARE A FEW WETTER AREAS IN THE CENTER WHICH COULD BE LEFT OUT FOR RETENTION AS WELL AS A NICE OAK KNOLL WITH SCATTERED HARD MAPLE WHICH SHOULD BE LEFT FOR RETENTION AND DIVERSITY, ALSO COULD LEAVE THE SOUTH ARM WITH UNDERPLANTED RED PINE FOR RETENTION, BUFFER EAST EDGE ALONG MARSH AND MARK OAK AND BLACK CHERRY FOR MAST, WILL PROBABLY BE SMALLER THAN SHOWN - APPROVE SIZE CHANGE AT REVIEW										

ROSCOMMON FOREST MGT UNIT

Proposed Treatments  
With NO Limiting Factors

Compartment: 191    Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
Total Acres.....		282								

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 191**    **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
64	O1	3	6	54	red pine	sparse		0	planting	

TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

comnts Fmd : STAND WAS CUT IN 2002 AND DID NOT REGENERATE WELL, PLANT RED PINE IN NON-STOCKED AREAS TO RE-STOCK STAND AND INCREASE PINE COMPONENT IN THIS COMPARTMENT

67	O8	12	102	55	oak	mature		0	planting	
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TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

comnts Fmd : SHELTERWOOD CUT IN 2002 AND NOW O8M1, SOME OAK IS STARTING, SCATTERED WHITE PINE PULP TREES, SOUTH END HAS SLIGHTLY MORE BASAL AREA WITH SMALLER TREES (O6), PLANT WHITE PINE AS INTERPLANTING WITH THE GOAL AS A MIXED STAND OF OAK AND PINE

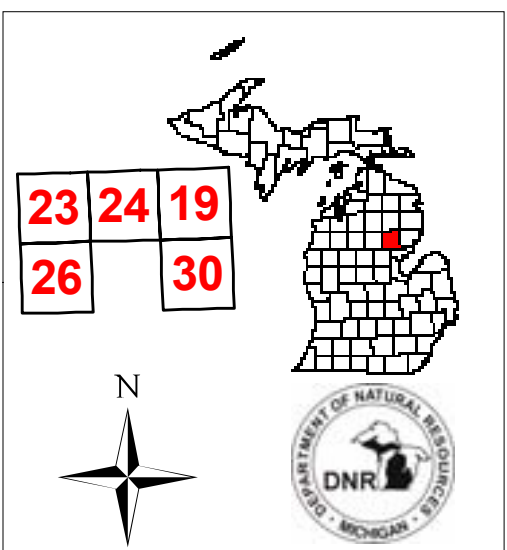
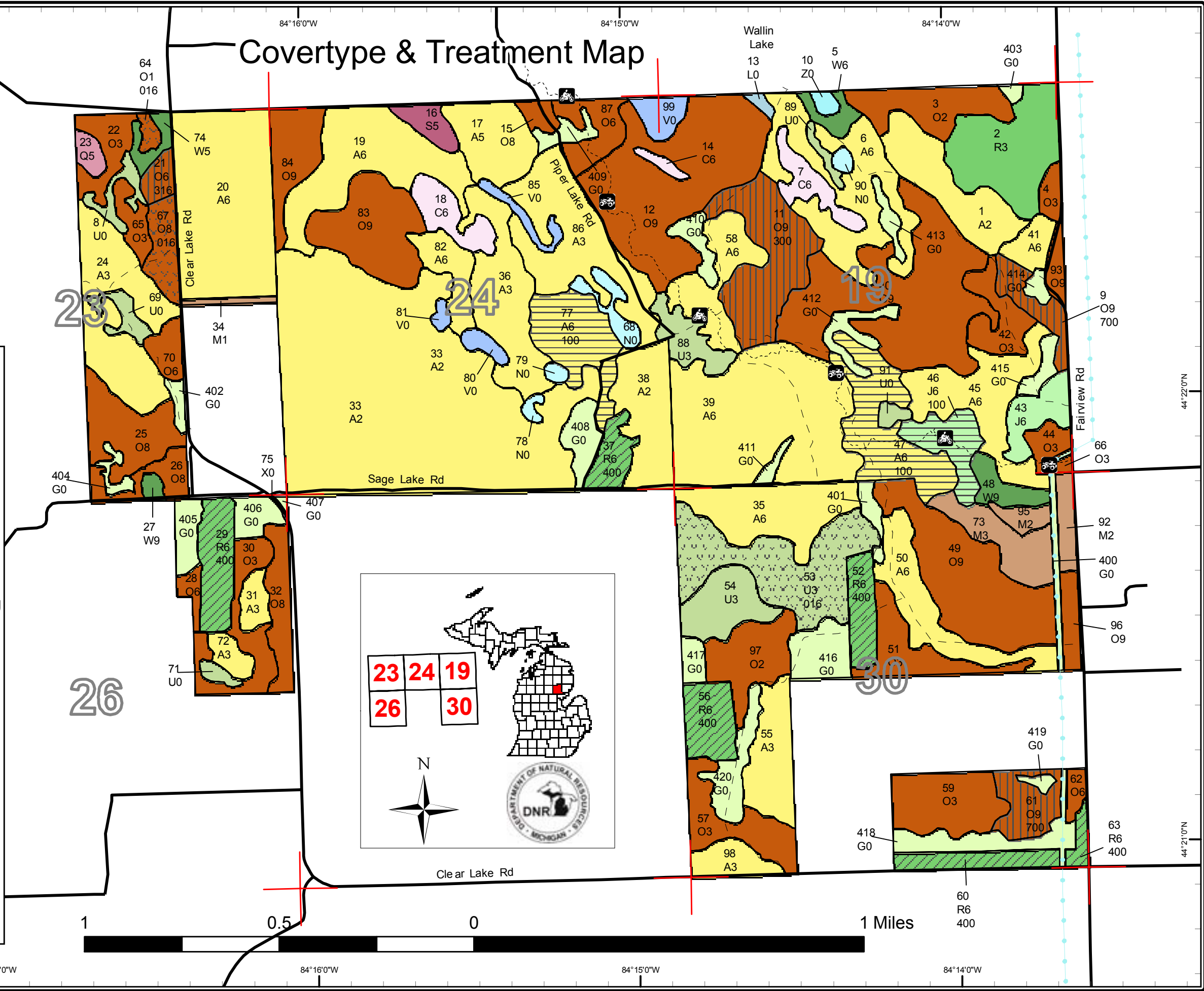
**Total Acres..... 15**

# Covertime & Treatment Map

Compartment 191  
 T23N, R01E, Sec. 23, 24, 26  
 T23N, R02E, Sec. 19, 30  
 County: Ogemaw  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 2,122 GIS Calculated  
 Stand Examiner: Dale Ekdorn  
 Map Revised: 7/30/2008  
 Map Phase: Pre-review

### Legend

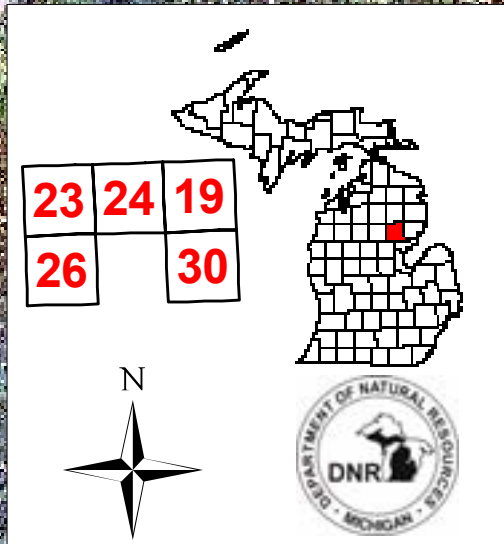
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Trails
- Powerlines
- ORV Trails
- MCCCT Trails
- Stand Boundary
- 016 - Planting
- 100 - Final Harvest
- 300 - Shelterwood-seed
- 316 - Shelterwood-seed/Planting
- 400 - Thinning
- 700 - Shelterwood-prep
- A - Aspen
- C - Northern White Cedar
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked
- Z - Water



23	24	19
26		30

# Stand Boundary Map

Compartment 191  
 T23N, R01E, Sec. 23, 24, 26  
 T23N, R02E, Sec. 19, 30  
 County: Ogemaw  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 2,122 GIS Calculated  
 Stand Examiner: Dale Ekdorn  
 Map Revised: 7/30/2008  
 Map Phase: Pre-review



## Legend

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- - - Trails
- Powerlines
- ORV Trails
- MCCCT Trails
- Stand Boundary

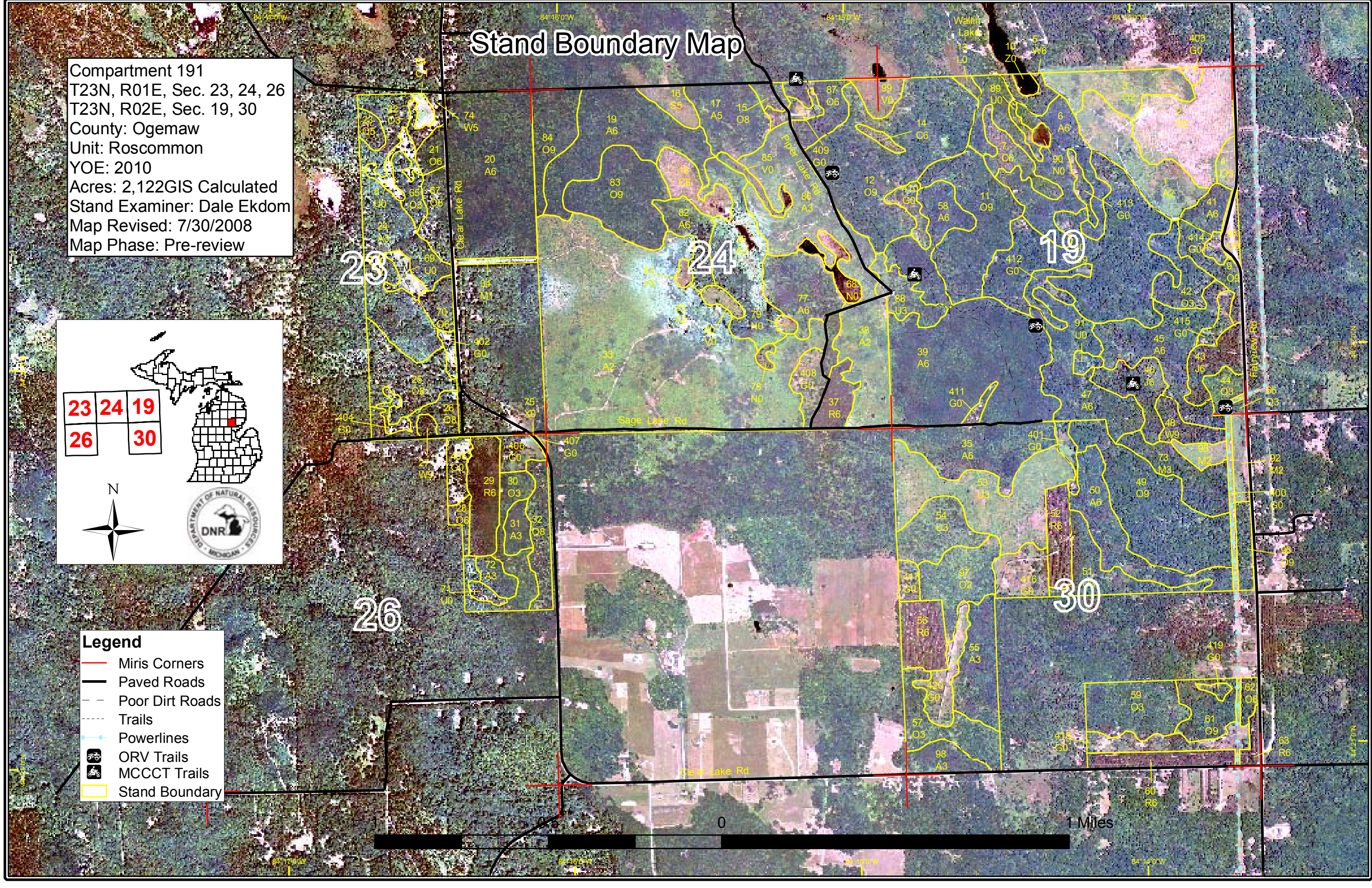
23

24

19

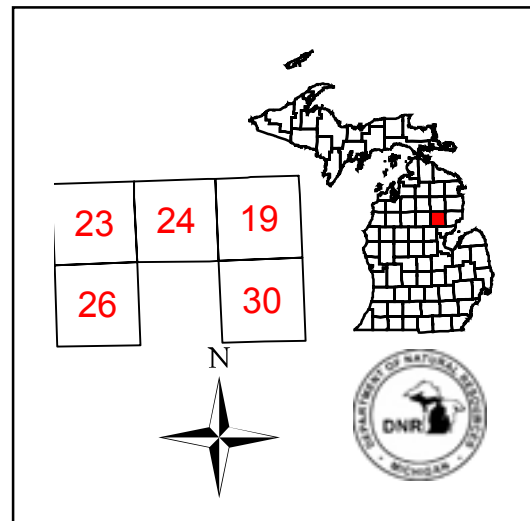
26

30



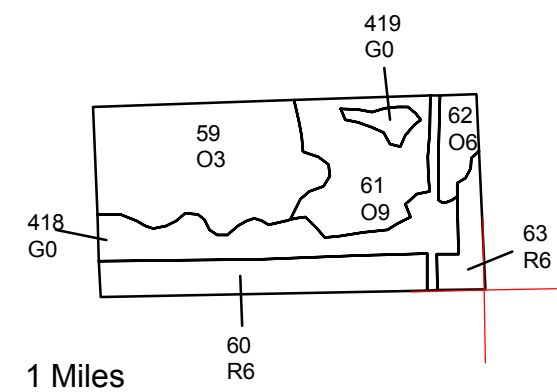
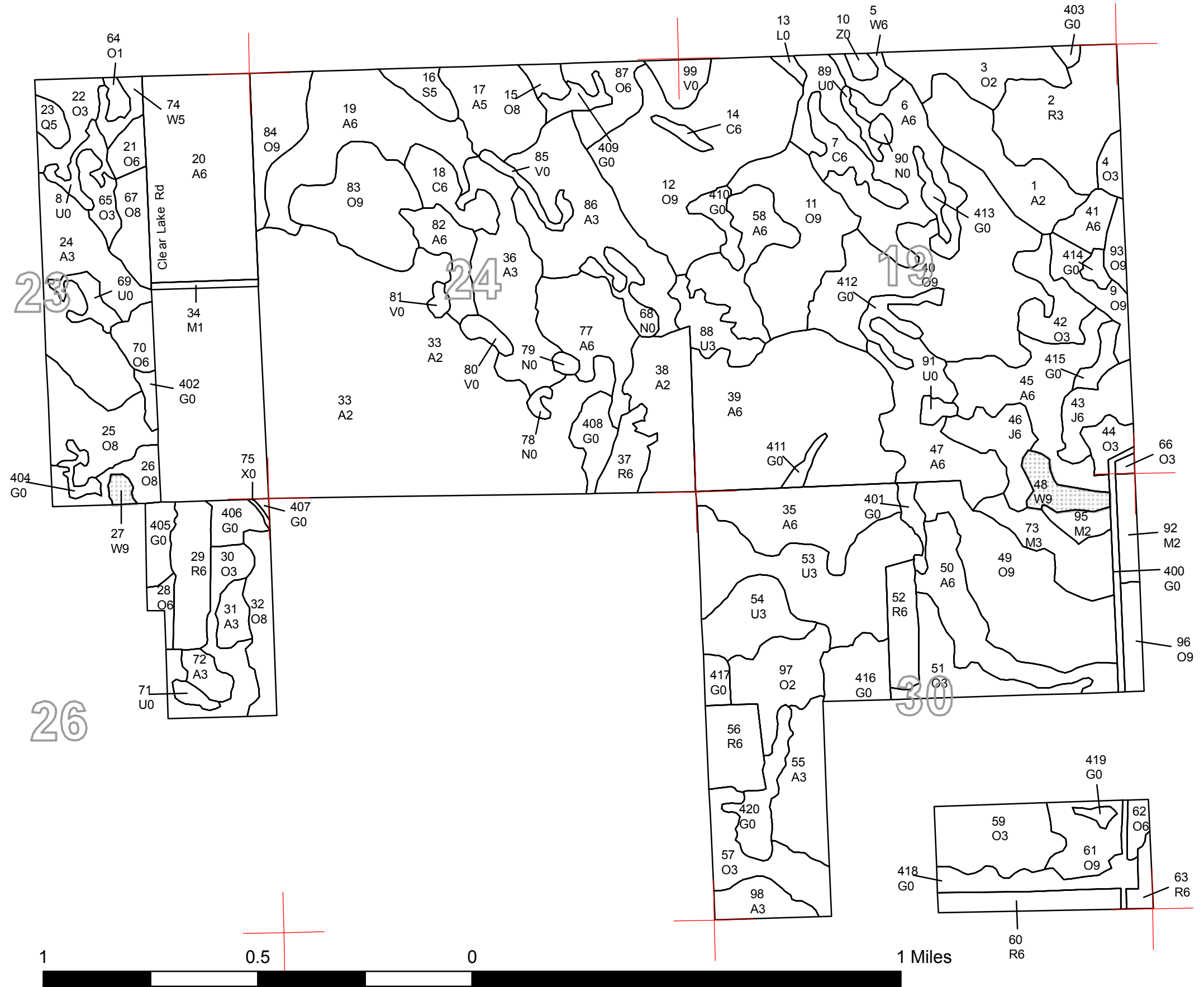
# Dedicated & Proposed Special Conservation Area Map

Compartment 191  
 T23N, R01E, Sec. 23, 24, 26  
 T23N, R02E, Sec. 19, 30  
 County: Ogemaw  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 2,122GIS Calculated  
 Stand Examiner: Dale Ekdorn  
 Map Revised: 7/30/2008  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- Stand Boundaries
- Special Conservation Areas





## 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	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.