



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 95 ENTRY YEAR: 2010

Compartment Acreage: 1155 County: Roscommon

Revision Date: 3/19/08

Stand Examiner: D. Ekdom

Legal Description: T22N R01W Sections 11 and 12

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

Soil and Topography: Topography is rolling to hilly terrain, especially on the far-east end of the compartment and the portion south of I-75. Soils are mostly Rubicon and Grayling sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is a solid block of state ownership and there is state land both north and south of the compartment. East of the compartment is a large block of undeveloped private property in Ogemaw County. Southwest of the compartment is private property with permanent residences along Old M-55. I-75 bisects the compartment east to west and the St. Helen interchange is on the west edge of the compartment.

Unique, Natural Features: MNFI has documented occurrences of T and E species in this compartment and good potential for dry prairie plants (hill's thistle, rough fescue, Allegheny plum and pale agoseris) and insects within the compartment.

Archeological, Historical, and Cultural Features: No SHPO hits currently and no concerns were found during field work

Special Management Designations or Considerations: None known or identified during fieldwork.

Watershed and Fisheries Considerations: None, except for erosion problems due to traffic on steeper terrain and the presence of numerous small bogs and lowland brush stands which may need to be buffered.

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 400 and 800 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. A gravel pit (currently in-active) is located in Section 11 and potential appears to be good. The abandoned Denton Creek Field is located seven miles to the southwest. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The Compartment is not currently leased.

Vehicle Access: Vehicle access is excellent via M-76, forest two-tracks, and recreational trails.

Survey Needs: None needed.

Recreational Facilities and Opportunities: Compartment contains portions of the St. Helen snowmobile trail, ORV trail, and MCCC trail. The Midland to Mackinac Boy Scout trail crosses underneath I-75 along M-76 and bisects the north part of Section 11. The St. Helen Motorsport Area is north of the compartment in Sections 25 and 36 of T23N R01W. A small “abandoned” commuter lot is located in SWSW of Section 11 which is also used by ORV and snowmobile riders as an unofficial trailhead. There is a proposal for this lot to be developed as a “mini” ORV and snowmobile trailhead. The ORV trail has been temporarily re-routed to get it out of a large wet area in the NE corner of Section 11. A permanent re-route has been scouted out for both the ORV and snowmobile trails and a trail proposal is pending based on decisions approved at this compartment review. The wet sections of these trails will be abandoned.

Fire Protection: There are some pine fuel types in this compartment especially Section 12 and the southwest portion of Section 11 and there is also some steeper topography which could make fire suppression problematic. However, there are numerous man-made and natural fire breaks which should help with fire suppression. A large potential for fire starts exists with the many recreational trails in the compartment and its proximity to St. Helen.

Additional Compartment Information: Major RDR/BMP problems in Stands 14, 18, and roads through adjacent stands due to illegal ORV use in these barrow pit areas. Proposed treatments in this compartment include 53 acres of final harvest and planting of red pine and 63 acres of thinning in red pine and oak.

- **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: 95

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	505																										505
V Bog or Marsh			13																								13
C Cedar				4																							4
G Grass					3																						3
L Lowlnd Brush									2																		2
X Non Stocked													15														15
O Oak														239												5	244
R Red Pine															301												301
F Spruce Fir																			5								5
M Upland Hdwds																								34			34
W White Pine																										29	29
Total	505		13	4	3				2				15	239	301				5						34	34	1155

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **95**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4727 Cds	Hardwood	149 Cds
Hardwood	939 Mbf	Hardwood	33 Mbf
Softwood	3912 Cds	Softwood	710 Cds
Softwood	3350 Mbf	Softwood	778 Mbf
Sum TotVol	17217 Cds	Sum CutVol	2481 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	116
1155			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 95

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
3	R9	53	80	55	red pine	mature	final harvest	2	planting		
comnts Fmd : RED PINE ON FIRST GLANCE APPEARS TO BE NATURAL BUT IT IS PLANTED, REMOVED ALL SPECIES EXCEPT RED PINE AND A FEW OAK MAST TREES IN 1981, KOTAR IS Par VVb - ParVHa, FINAL HARVEST - TRENCH/PLANT RED PINE, LEAVE AREA IN NORTHWEST CORNER WITH SMALLER TREES (R.P. SAPS) AND VALLEY FOR RETENTION, MARK DEN & MAST TREES TO LEAVE FOR WILDLIFE											
13	O9	22	80	65	oak	immature	thinning	2			
comnts Fmd : A/M REMOVED IN 1994, SOME R.P. APPEARS TO HAVE BEEN UNDERPLANTED IN 30'S, OAK U.S. IS STARTING UNDER R.P. AND VICE VERSA, SCATTERED SMALL ASPEN CLONES AND SOLITARY ASPEN, OAK IS A MIX OF R/W OAK AND PIN OAK OF DECENT QUALITY, REMOVE SUPPRESSED OAK AND RED PINE IF THINNED, KEEP A MIXED STAND OF O/RP, MINIMAL OAK MORTALITY NOW, VISUAL CONCERNS DUE TO TRAVEL CORRIDOR											
38	R6	23	80	50	red pine	two aged	thinning	2			
comnts Fmd : REMOVED HARDWOODS AND JACK PINE IN 1994. , MOST OF STAND NEEDS TO BE THINNED AGAIN, SOMEWHAT IN ROWS SO SHOULD BE EASY TO THIN, MARK TO CUT REMOVING SUPPRESSED/LOW QUALITY TREES, VISUAL CONCERNS AT M-76/I-75 INTERCHANGE, CONATINS INCOUSION OF A3/A6 (Y.O.O. = 1969) IN CENTER WHICH CAN BE LEFT OUT OF THE SALE OR INCLUDED AS DESIRED											
39	R9	18	80	50	red pine	immature	thinning	2			
comnts Fmd : DECENT QUALITY RP SL STAND, THIN BY REMOVING MOST HARDWOODS AND JACK PINE AND MARK SOME R.P. TO CUT REMOVING SUPPRESSED/LOW QUALITY RED PINE, LEAVE GOOD CROWNED WHITE OAK AND ALSO HARDWOOD FRINGE AT SOUTH EAST EDGE, VISUAL CONCERNS AT M-76/I-75 INTERCHANGE											
Total Acres.....		116									

**Proposed Treatments
With Limiting Factors**

Compartment: 95

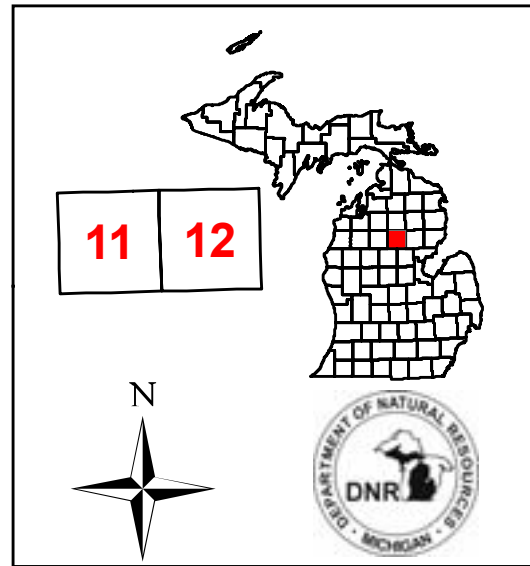
Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

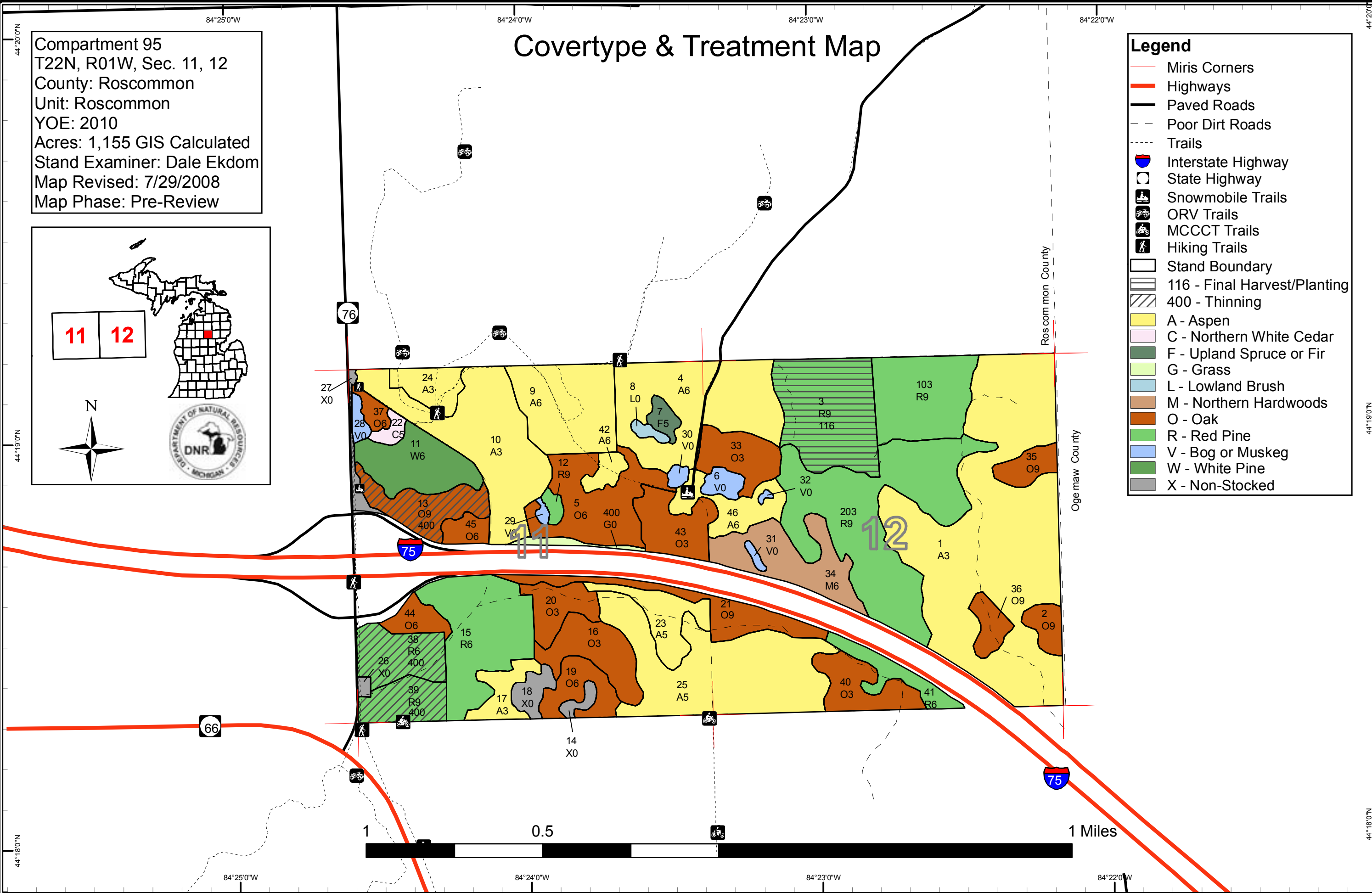
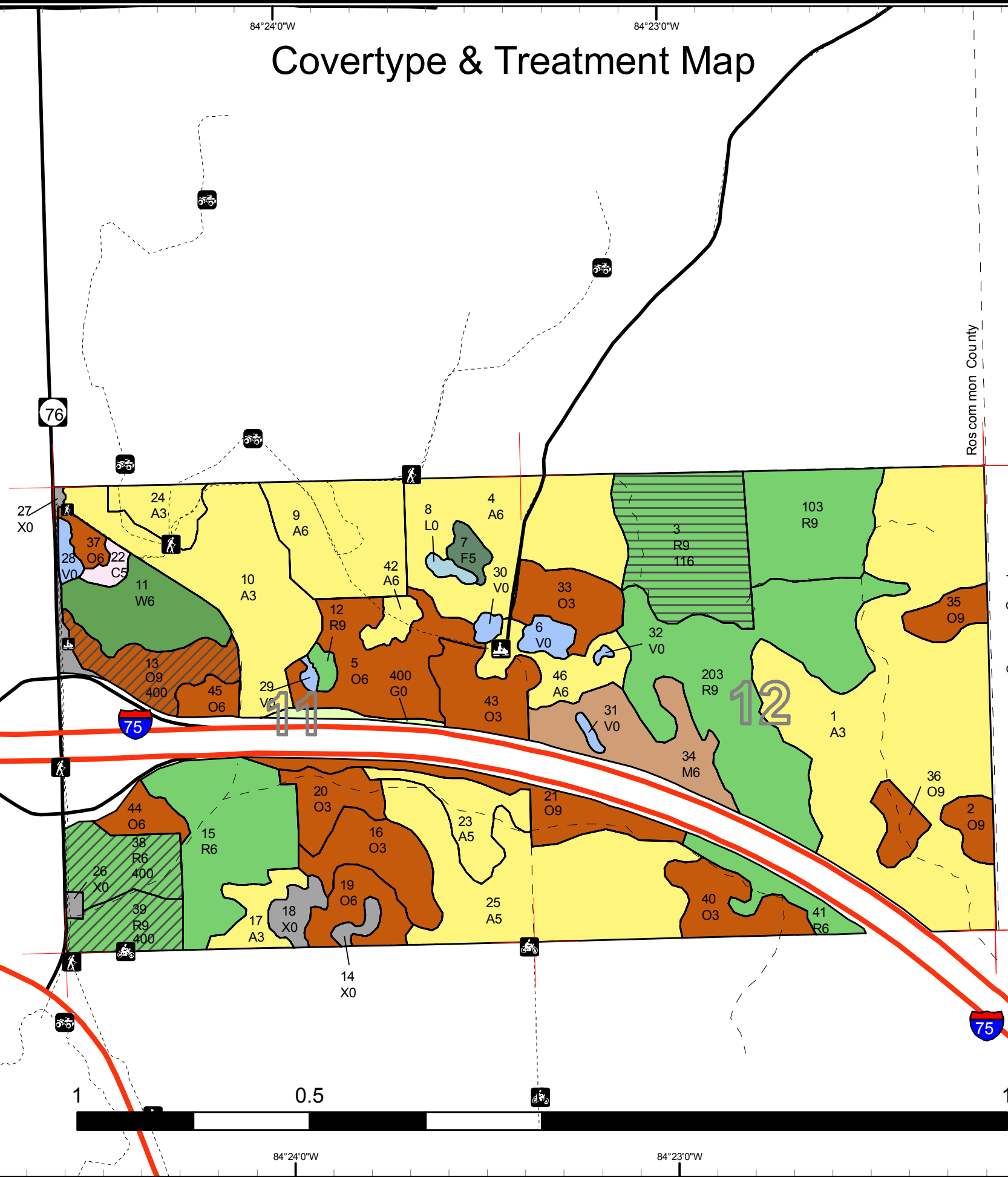
Compartment 95
 T22N, R01W, Sec. 11, 12
 County: Roscommon
 Unit: Roscommon
 YOE: 2010
 Acres: 1,155 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 7/29/2008
 Map Phase: Pre-Review



Covertypes & Treatment Map

Legend

- Miris Corners
- Highways
- Paved Roads
- Poor Dirt Roads
- Trails
- Interstate Highway
- State Highway
- Snowmobile Trails
- ORV Trails
- MCCCT Trails
- Hiking Trails
- Stand Boundary
- 116 - Final Harvest/Planting
- 400 - Thinning
- A - Aspen
- C - Northern White Cedar
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- O - Oak
- R - Red Pine
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked

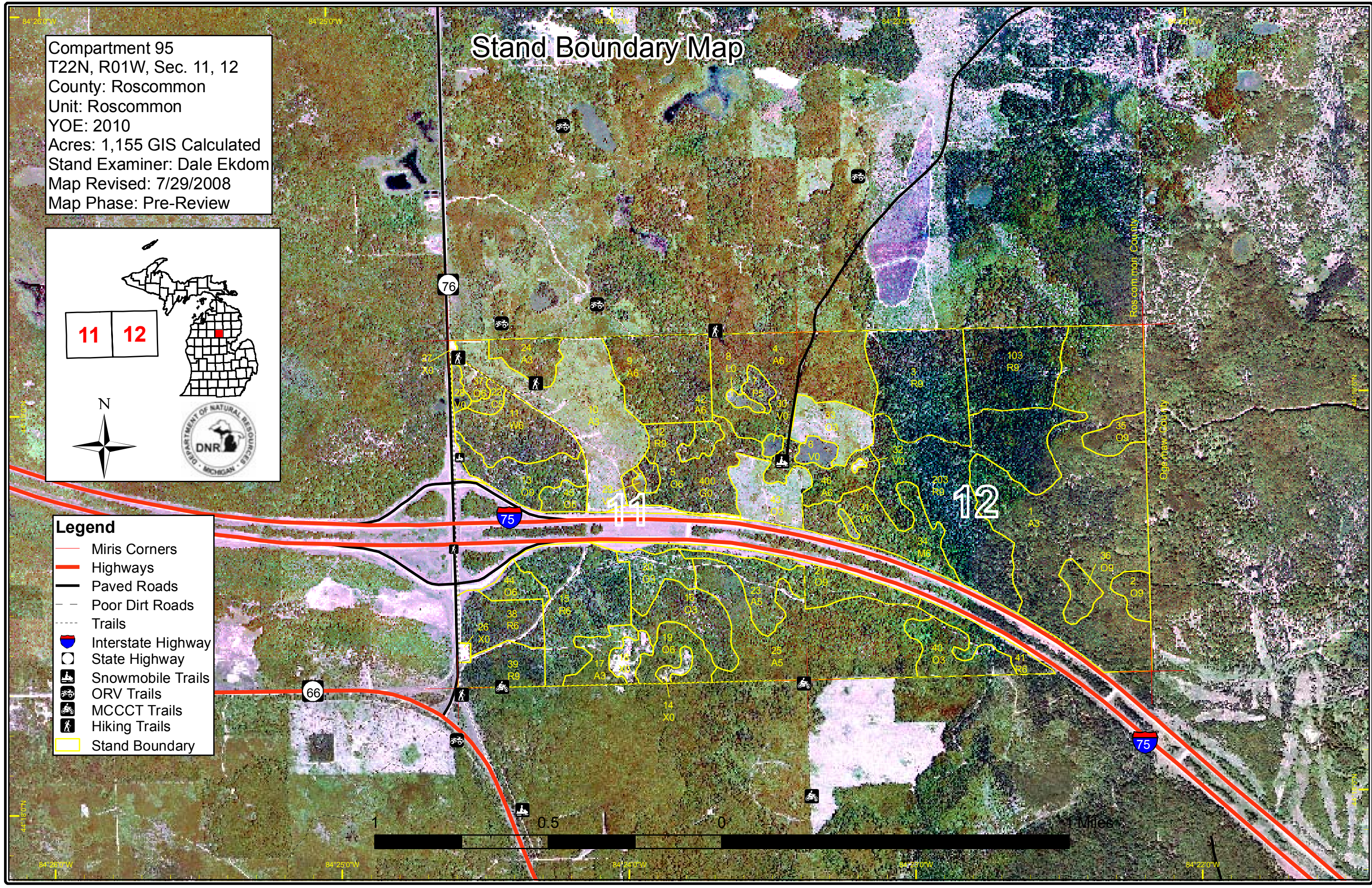
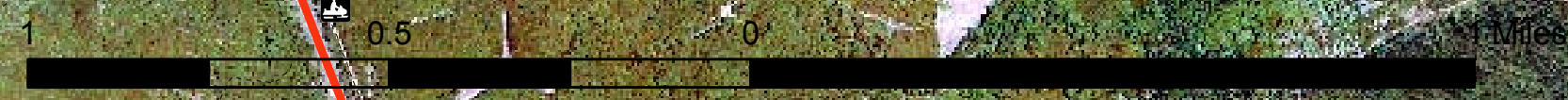


Stand Boundary Map

Compartment 95
 T22N, R01W, Sec. 11, 12
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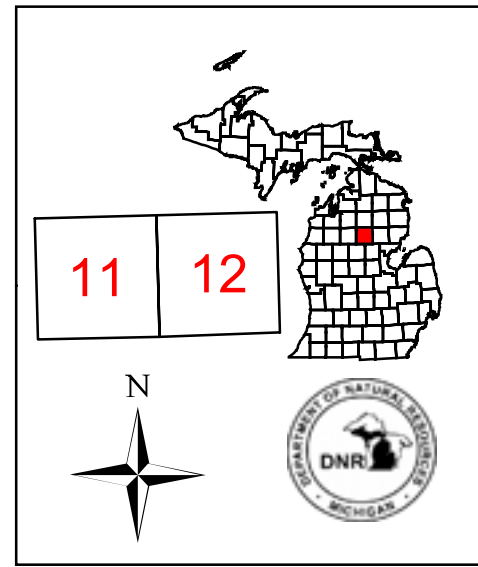
11 12
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 DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN

- Legend**
- Miris Corners
 - Highways
 - Paved Roads
 - Poor Dirt Roads
 - Trails
 - Interstate Highway
 - State Highway
 - Snowmobile Trails
 - ORV Trails
 - MCCCT Trails
 - Hiking Trails
 - Stand Boundary



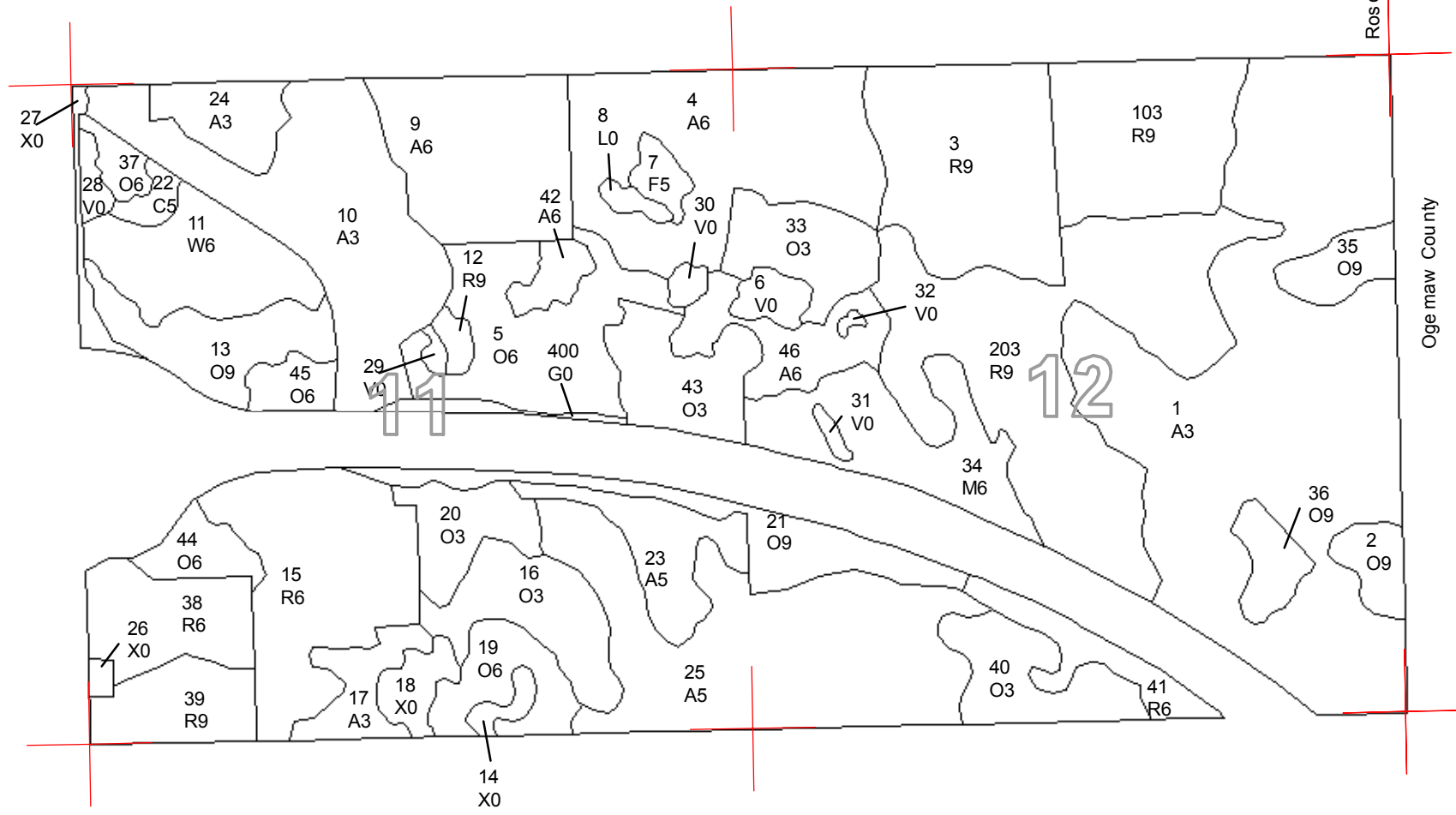
Dedicated & Proposed Special Conservation Area Map

Compartment 95
 T22N, R01W, Sec. 11, 12
 County: Roscommon
 Unit: Roscommon
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 Stand Examiner: Dale Ekdorn
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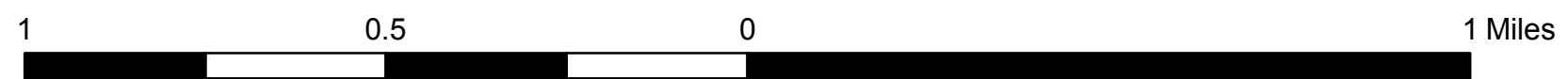
Legend

- Miris Corners
- Kirtland Warbler Habitat
- Stand Boundary



Roscommon County

Ogemaw County



84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W

44°20'0"N

44°19'0"N

44°18'0"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
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