



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 41 ENTRY YEAR: 2010

Compartment Acreage: 1072 County: Roscommon

Revision Date: 1/8/08

Stand Examiner: D. Ekdom

Legal Description: T24N R2W Sections 25 and 36

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

Soil and Topography: Terrain in the south end is primarily flat to gently rolling and the north end of the compartment is more moderately rolling to hilly with a ridge running northeast to southwest. Soils on the north (upland) portion of the compartment consist primarily of Grayling and Rubicon sand. Soils on the south (lowland) portion of the compartment consist of Rifle peat and Houghton muck.

Ownership Patterns, Development, and Land Use in and Around the Compartment: All state land except for 160 undeveloped acres in the north part of Section 25 and smaller parcels with seasonal cabins and trailers in the NW1/4 of Section 36. Compartment is surrounded by state land also.

Unique, Natural Features: No MNFI concerns currently within the compartment and none found during fieldwork.

Archeological, Historical, and Cultural Features: No SHPO hits currently and none found during fieldwork.

Special Management Designations or Considerations: 2 stands have been proposed for Special Conservation Areas (SCA's) as they are good examples of poor conifer swamps.

Watershed and Fisheries Considerations: No flowing streams within the compartment but there are potential erosion problems on roads and trails due to terrain.

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. Compartment has potential for deeryards in the lowlands and wildlife openings in the uplands.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall was previously used as a building stone in other areas of the State. Most of the good gravel pits are associated with upland areas. Gravel pits are located in the area and there should be good potential in Section 25. St. Helen Field is located just to the east. The

field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. None of the State land in the Compartment is currently leased.

Vehicle Access: Good access in the upland areas of the compartment via M-76, seasonal county roads, and forest two-tracks/recreational trails.

Survey Needs: None necessary at this time. Private property in the compartment is well surveyed.

Recreational Facilities and Opportunities: This compartment has numerous recreational trails including the Geels North ORV trail, the Roscommon to Geels ORV route, and the St. Helen snowmobile trail.

Fire Protection: Fire suppression in this compartment is not a problem due to a lack of volatile cover types and terrain and man-made structures which provide fire breaks. However, there is some wildland-urban interface within the compartment.

Additional Compartment Information: Proposed treatments in this compartment are a 6 acre final harvest in aspen.

- **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: 41

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	259																										259
V Bog or Marsh			19																								19
G Grass					37																						37
J Jack Pine							284																				284
L Lowlnd Brush									143																		143
Q Mx Swmp Cnfr											126																126
O Oak														163													163
R Red Pine																13											13
F Spruce Fir																			18								18
E Swamp Hrdwds																				5							5
U Upland Brush																								2			2
M Upland Hdwds																									3		3
Total	259		19		37		284		143			126		163		13			18	5				2	3		1072

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **41**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2753 Cds	Hardwood	99 Cds
Hardwood	300 Mbf	Hardwood	10 Mbf
Softwood	3286 Cds	Sum CutVol	119 Cds
Softwood	287 Mbf		
Sum TotVol	7213 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1072		6	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 41

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
15	A6	6	40	46	aspen (upland)	immature	final harvest	1		

comnts Fmd : APPEARS TO BE 2 AGED/MULTI-AGED ASPEN STAND, OLDEST ASPEN IS 65+ YEARS OLD AND YOUNGEST IS 40+/- YEARS OLD, OLDER ASPEN IS DECLINING DUE TO HYPOX. CANCER, ALSO SCATTERED OAK/RM SAWLOGS, CUT NOW WHILE OLDEST ASPEN IS STILL VIABLE FOR SUCKERS, MARK OAK TO LEAVE FOR MAST, NO RETENTION IN THIS STAND DUE TO THE SIZE OF THE STAND AND FOR STAND HEALTH REASONS, ALSO REQUIRE TOPS TO BE CHIPPED FOR HEALTH REASONS, EXPAND INTO STAND #43 AND #16 IF ASPEN IN THE ADJACENT PORTIONS OF THESE STANDS ARE READY TO BE CUT

Total Acres..... 6

**Proposed Treatments
With Limiting Factors**

Compartment: 41

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:

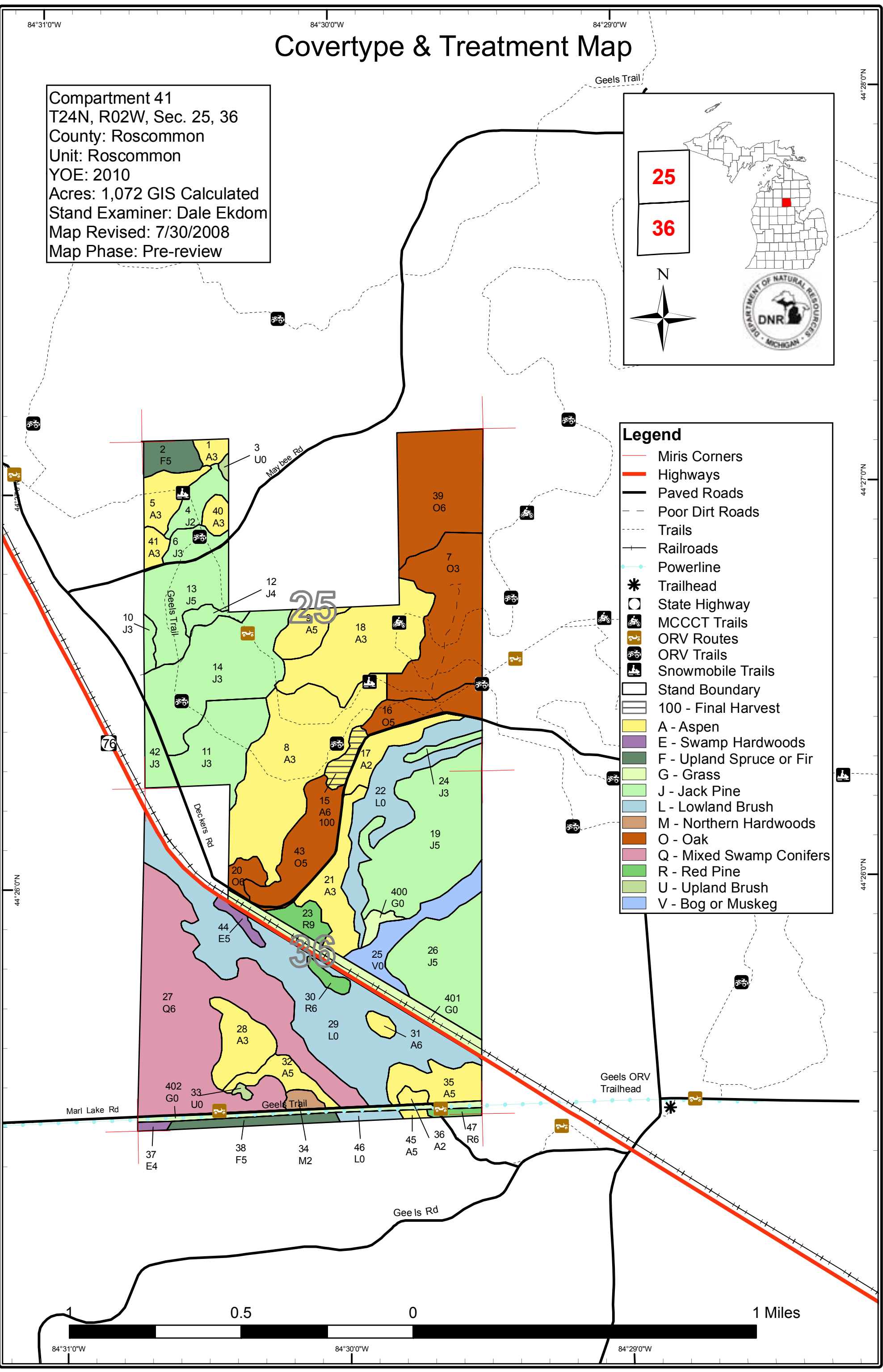
Total Acres..... 0

Covertypes & Treatment Map

Compartment 41
 T24N, R02W, Sec. 25, 36
 County: Roscommon
 Unit: Roscommon
 YOE: 2010
 Acres: 1,072 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 7/30/2008
 Map Phase: Pre-review

Legend

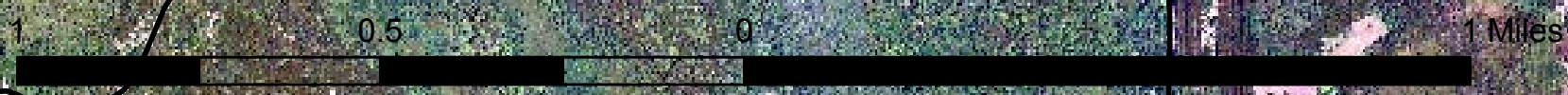
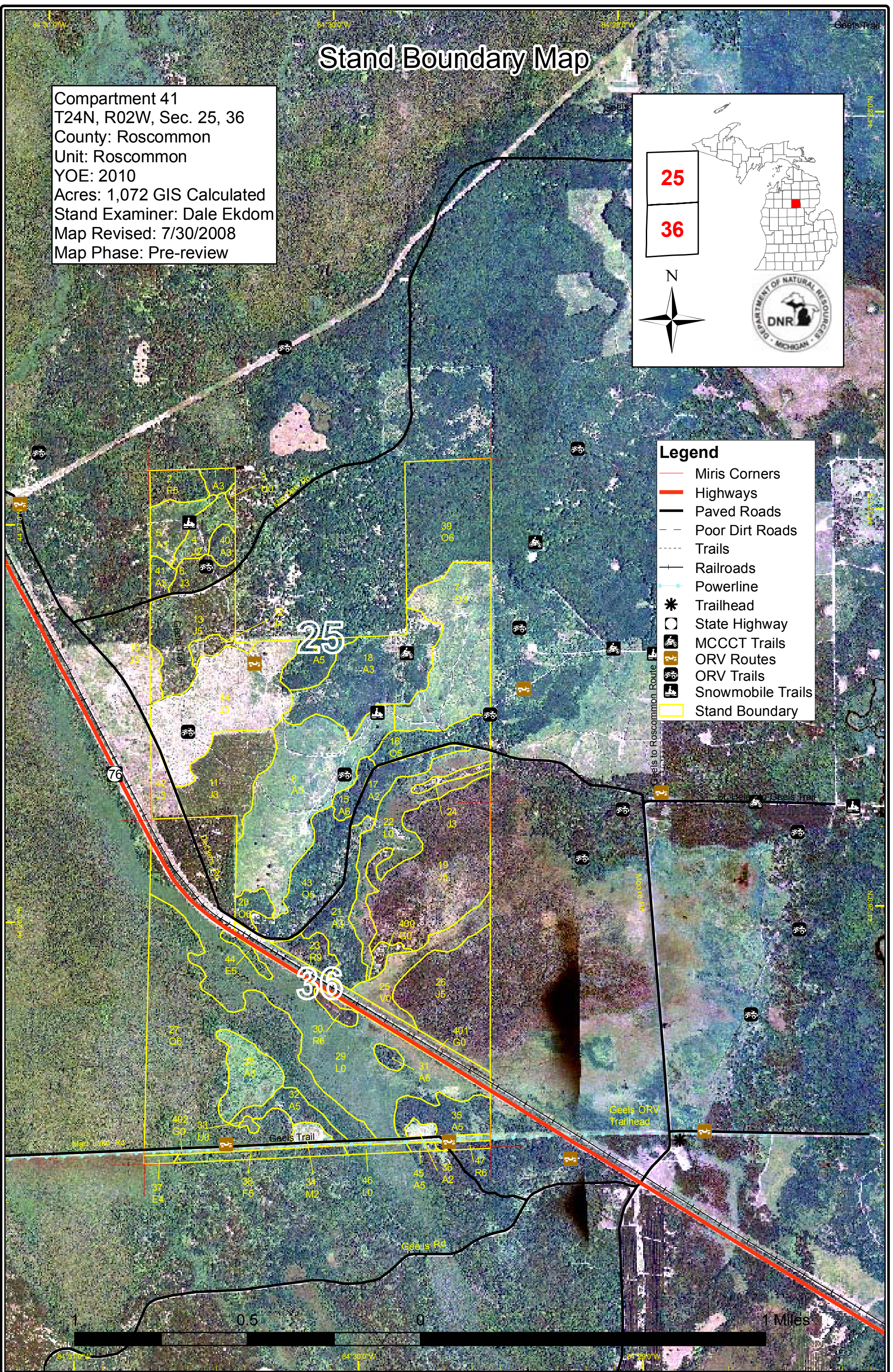
- Miris Corners
- Highways
- Paved Roads
- Poor Dirt Roads
- Trails
- Railroads
- Powerline
- Trailhead
- State Highway
- MCCCT Trails
- ORV Routes
- ORV Trails
- Snowmobile Trails
- Stand Boundary
- 100 - Final Harvest
- A - Aspen
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- O - Oak
- Q - Mixed Swamp Conifers
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg



Stand Boundary Map

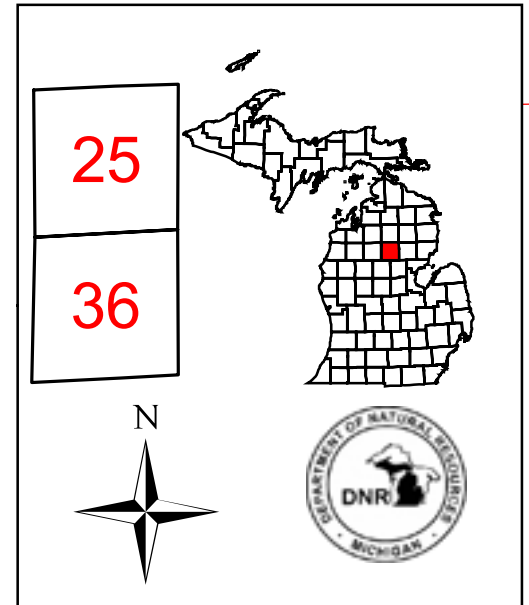
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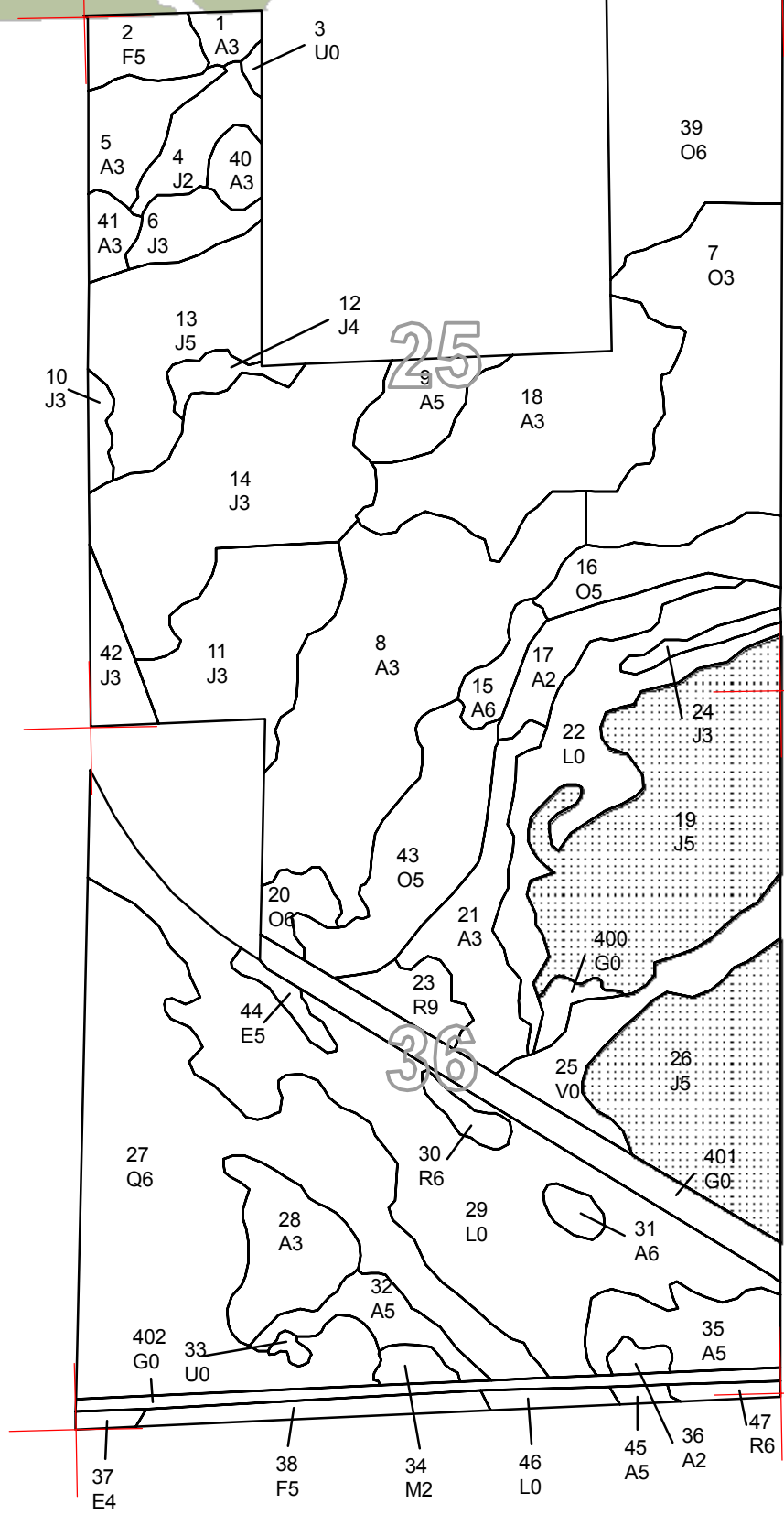


Dedicated & Proposed Special Conservation Area Map

Compartment 41
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- Legend**
- Miris Corners
 - Stand Boundaries
 - Cold Water Streams
 - Special Conservation Areas
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - OI Special Conservation Areas



84°31'0"W 84°30'0"W 84°29'0"W

44°28'0"N

44°27'0"N

44°26'0"N

44°28'0"N

44°27'0"N

44°26'0"N

44°25'0"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	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	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.