



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 82      ENTRY YEAR: 2010**

**Compartment Acreage: 1176      County: Roscommon**

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**Revision Date:** 07-28-2008

**Stand Examiner:** J. Hartman

**Legal Description:** T23N R3W sections 24,25,36

**Management Goals:** Stagger some of the aspen age classes. Improve and maintain public access.

**Soil and Topography:** Soils are Rifle peat and Saugatuck sand. The terrain is level. Habitat type is an intermix of wetland, PArVCo and PArVHa.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Private lands along M-18 have been parcelized into 2-10 acres. Private lands on the west side of the compartment are larger ranging from 30-80 acres. Incentive to parcelize these properties is high due to the proximity to Houghton Lake, but surrounding wetlands may make construction difficult.

**Unique, Natural Features:** Potential for eagle, great blue heron, osprey, blanding's turtle, wood turtle, and red-shouldered hawk.

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

**Special Management Designations or Considerations:** None at this time.

**Watershed and Fisheries Considerations:** Backus Creek flows through the compartment. A culvert will be needed for timber sale access on to the south end of the compartment and a permanent culvert needs to be replaced in stand 20.

**Wildlife Habitat Considerations:** Woodcock, grouse, and waterfowl habitat is good. The grouse and woodcock habitat is being maintained through aspen cutting, but some of the waterfowl habitat is gradually decreasing. Wetland pockets on the south end of the compartment and the floodplain along Backus creek are gradually converting from cattails to lowland shrub.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Bayport Limestone and Michigan Formation. The Bayport is quarried for stone and the Michigan for gypsum elsewhere in the State. Most of the good gravel pits are associated with upland areas. Gravel pits are not located in the area, but there might be potential on the uplands. St Helen Field is located seven miles to the northeast. 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. There are no oil and gas leases in the Compartment, currently.

**Vehicle Access:** Vehicle access is difficult. There is only one route through the interior of the north part. The area south of Doyle trail is walk-in only at this time.

**Survey Needs:** None need at this time. To keep in the records.... Doyle Trail is not on the section line. It lies about one chain to the south of the section line. Everett Road is not on the section line in the nw part of the compartment either. It lies east of the section line.

**Recreational Facilities and Opportunities:** No major recreational infrastructure.

**Fire Protection:** Little hazardous fuels exist. Difficult access could make larger fire growth possible.

**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: 82

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			128	5	347					6									486
Black Spruce																		4	4
Bog or Marsh	17																		17
Cedar												100				27			127
Grass	11																		11
Hemlock										5									5
Lowlnd Brush	193																		193
Marsh	77																		77
Mx Swmp Cnfr									12									25	37
Oak					3														3
Paper Birch										3	5								8
Red Pine																		6	6
Spruce Fir						20													20
Swamp Hrdwds										34	7						81		122
Treed Bog	4																		4
Upland Hdwds											5							40	45
Water	11																		11
<b>Total</b>	<b>313</b>		<b>128</b>	<b>5</b>	<b>350</b>	<b>20</b>			<b>12</b>	<b>48</b>	<b>17</b>	<b>100</b>				<b>27</b>	<b>81</b>	<b>75</b>	<b>1176</b>

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Individual Compartment Report

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 82

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	486																										486
S Black Spruce		4																									4
V Bog or Marsh			17																								17
C Cedar				127																							127
G Grass					11																						11
H Hemlock						5																					5
L Lowlnd Brush									193																		193
N Marsh										77																	77
Q Mx Swmp Cnfr											37																37
O Oak														3													3
B Paper Birch															8												8
R Red Pine																6											6
F Spruce Fir																			20								20
E Swamp Hrdwds																				122							122
D Treed Bog																						4					4
M Upland Hdwds																								45			45
Z Water																									11		11
<b>Total</b>	<b>486</b>	<b>4</b>	<b>17</b>	<b>127</b>	<b>11</b>	<b>5</b>			<b>193</b>	<b>77</b>	<b>37</b>			<b>3</b>	<b>8</b>	<b>6</b>			<b>20</b>	<b>122</b>		<b>4</b>		<b>45</b>	<b>11</b>	<b>1176</b>	

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **82**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4181 Cds	Hardwood	823 Cds
Hardwood	292 Mbf	Hardwood	45 Mbf
Softwood	3134 Cds	Softwood	26 Cds
Softwood	215 Mbf	Softwood	13 Mbf
Sum TotVol	8329 Cds	Sum CutVol	965 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1176		66	

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 82**

**Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>4</b>	<b>M9</b>	5	89	60	northern hardwood	low quality	thinning	3		
comnts Fmd : Could thin to favor sugar maple and good quality red maple. Very low priority.										
<b>23</b>	<b>A6</b>	19	37	60	aspen (upland)	immature	final harvest	2		
comnts Fmd : Early aspen harvest to stagger age classes. More QA to the north and BTA to the south. Mixed red maple and fir understory through the rest. Culvert needed at road. Leave all white pine, beech, sugar maple, birch, and oak. There is very little of these species present. Wet pocket with thick ash understory on the north edge can be used for aspen retention.										
<b>25</b>	<b>B9</b>	3	85	60	paper birch	mature	thinning	3		
comnts Fmd : Very tall with thin crowns. Would be good small experimental stand to fence and try a regen cut with intense site prep, but for now thin to promote vigor and sugar maple seed source. Some sugar maple seed trees present, but mostly red maple understory. Thin from below. Don't open up too much.										
<b>31</b>	<b>A9</b>	6	85	55	aspen (upland)	mature	removal	3		
comnts Fmd : Could do a removal of mature aspen. Very low priority. Shortwood only. Could include small strip on other side of M-18 as well.										
<b>40</b>	<b>A5</b>	17	29	65	aspen (upland)	immature	final harvest	3		
comnts Fmd : Mix of ~30 yr old quaking and bigtooth aspen with some older stuff left within. Could be cut early if desired. Some road work could be accomplished with the sale.										
<b>48</b>	<b>A9</b>	16	29	60	aspen (upland)	two aged	final harvest	2		
comnts Fmd : Two-aged aspen. Pockets of young aspen was left last time. Some scattered sugar maple and beech present. Leave all birch, sugar maple, beech, oak, and white pine. Some road building and fill would be needed if access cannot be achieved across private. Would need to fill approx 450 ft of low ground. This is the only access to this whole section. Sale would also need culvert at road.										
<b>Total Acres.....</b>		<b>66</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 82**

**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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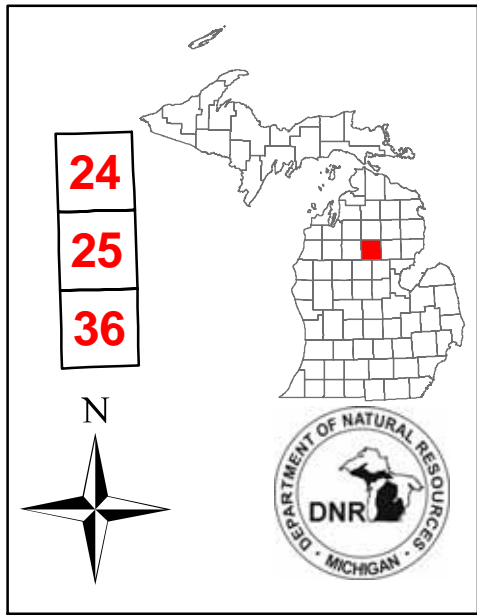
TREATMENT LIMITING FACTORS:

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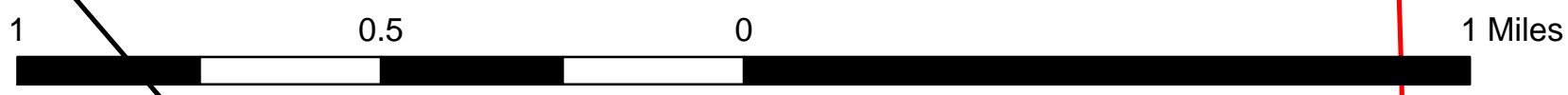
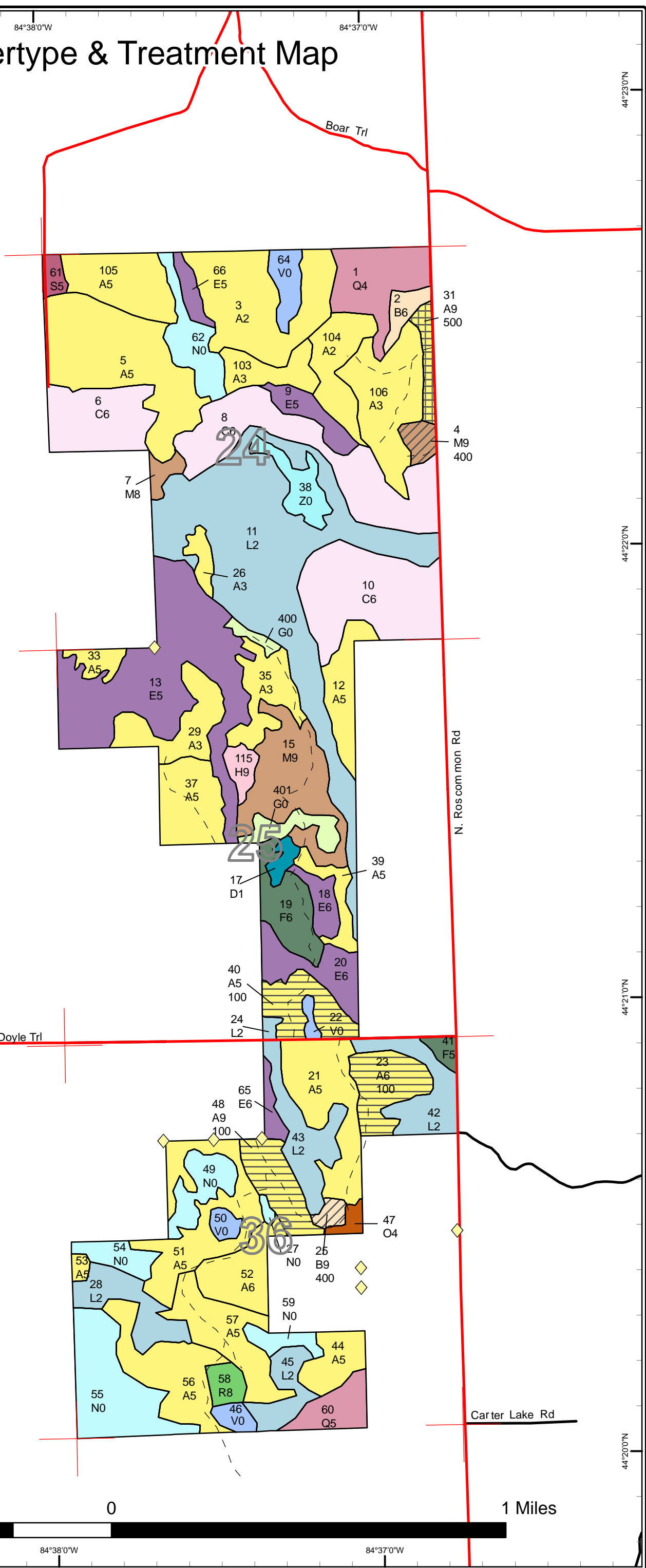
**Total Acres..... 0**

# Covertime & Treatment Map

Compartment 82  
 T23N, R03W, Sec. 24, 25, 36  
 County: Roscommon  
 Unit: Roscommon  
 YOY: 2010  
 Acres: 1,176 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 8/01/2008  
 Map Phase: Pre-Review

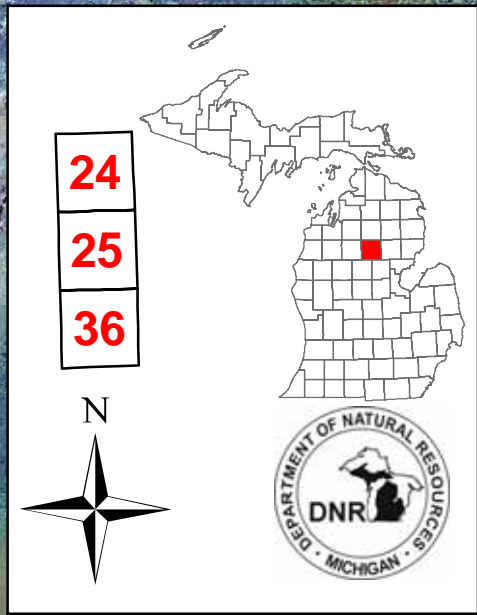


- Legend**
- ◆ RLS Corners
  - Miris Corners
  - Highways
  - County Paved Roads
  - Paved Roads
  - - - Poor Dirt Roads
  - Stand Boundary
  - ▨ 100 - Final Harvest
  - ▧ 400 - Thinning
  - ▩ 500 - Removal
  - A - Aspen
  - B - Paper Birch
  - C - Northern White Cedar
  - D - Tread Bog
  - E - Swamp Hardwoods
  - F - Upland Spruce or Fir
  - G - Grass
  - H - Hemlock
  - L - Lowland Brush
  - M - Northern Hardwoods
  - N - Marsh
  - O - Oak
  - Q - Mixed Swamp Conifers
  - R - Red Pine
  - S - Black Spruce Swamp
  - V - Bog or Muskeg
  - Z - Water

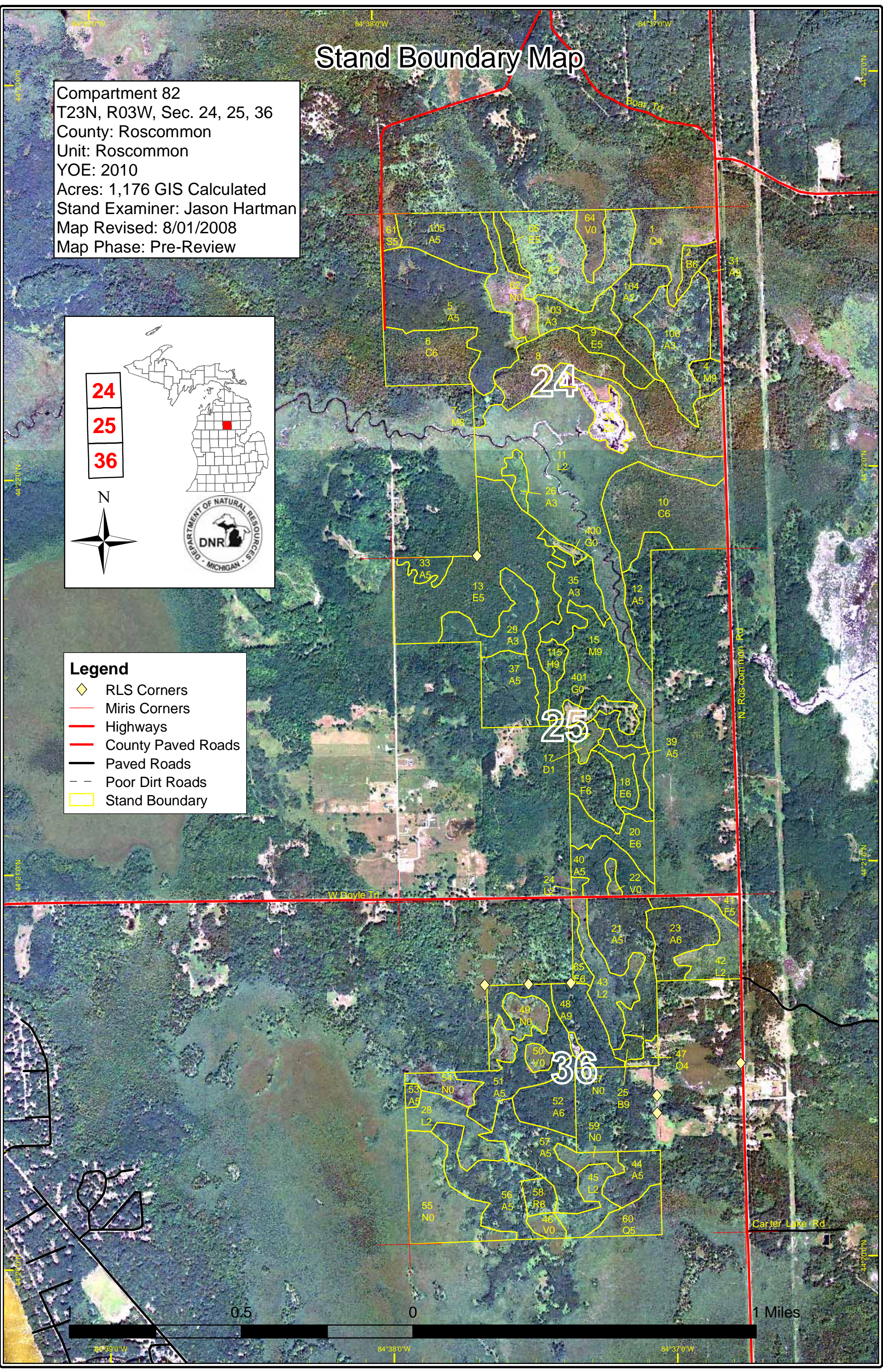


# Stand Boundary Map

Compartment 82  
 T23N, R03W, Sec. 24, 25, 36  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 1,176 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 8/01/2008  
 Map Phase: Pre-Review

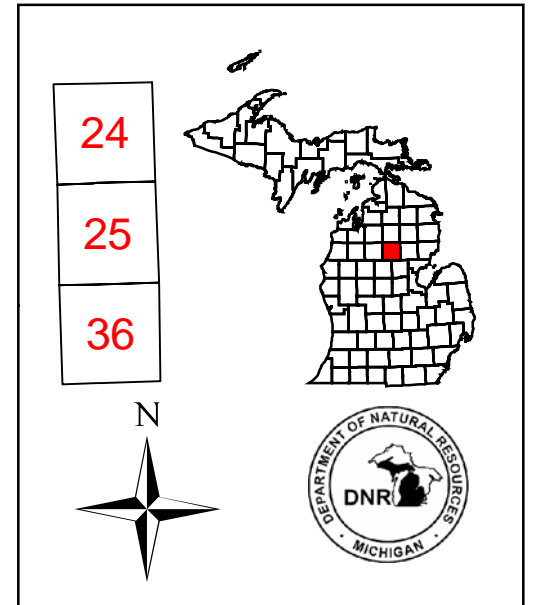


- Legend**
- ◆ RLS Corners
  - Miris Corners
  - Highways
  - County Paved Roads
  - Paved Roads
  - - Poor Dirt Roads
  - Stand Boundary

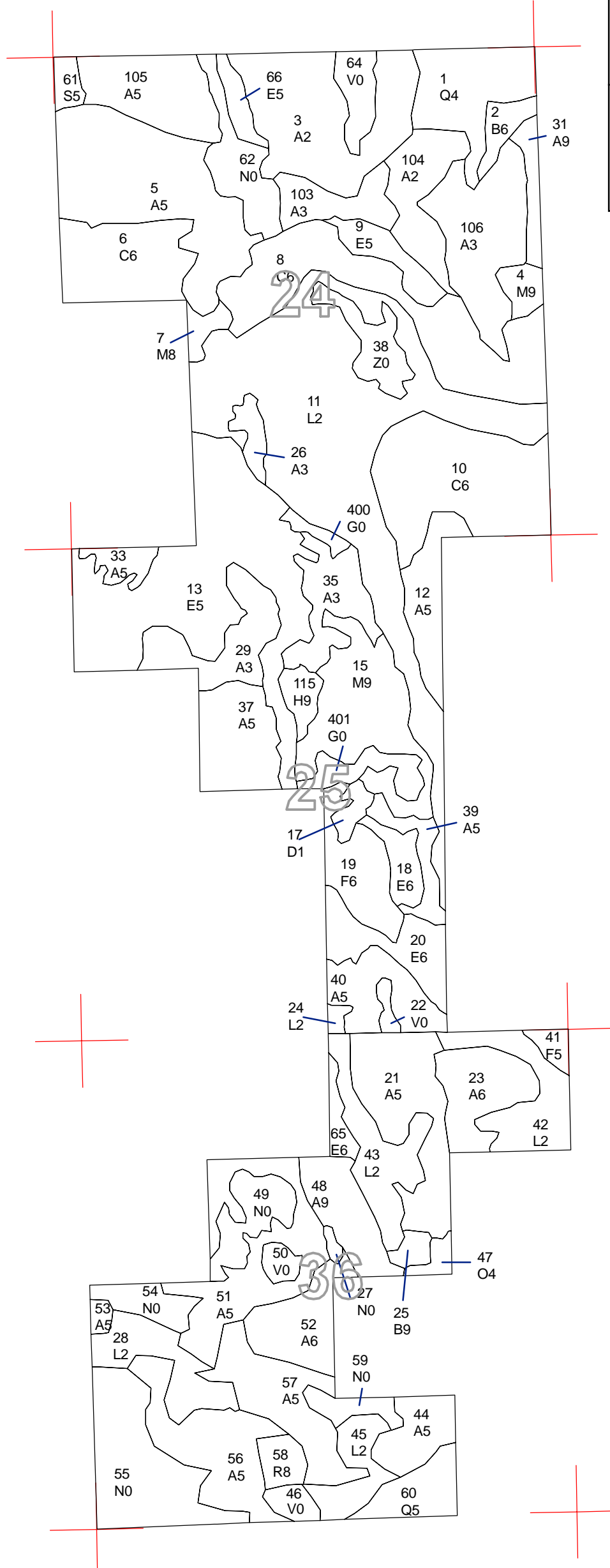


# Dedicated & Proposed Special Conservation Area Map

Compartment 82  
 T23N, R03W, Sec. 24, 25, 36  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2010  
 Acres: 1,176 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 8/01/2008  
 Map Phase: Pre-Review



- Legend**
- Miris Corners
  - Stands
  - OI Special Conservation Areas
  - Wildlife Management Areas



84°38'0"W      84°37'0"W      84°36'0"W

44°22'0"N

44°22'0"N

44°21'0"N

44°21'0"N

44°20'0"N

44°20'0"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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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