



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 134 ENTRY YEAR: 2010

Compartment Acreage: 1040 County: Roscommon

Revision Date: 07-28-2008

Stand Examiner: J. Hartman

Legal Description: T21N R1W sections 11 and 14.

Management Goals: Control red maple regeneration in order to increase oak and pine regeneration where it is practical. Increase upland conifer cover type by planting red pine in the areas that did not regenerate to oak in the last YOE. Leave a substantial mast component in oak stands that meet silvicultural criteria. Regenerate some aspen to continue to stagger aspen age classes.

Soil and Topography: Soils are primarily Rubicon sand with some Rifle peat in the nw part of the compartment. The habitat types include low end PARVHa in the jack pine and pin oak on the northeast corner, PARVVb in the northern red oak through the central portion, and pockets of AFO in bigtooth aspen and northern red oak on the perimeter of the compartment. Terrain is hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is solid state land. There are some large hunt clubs in the area. Parcel size ranges from 40-640 acres.

Unique, Natural Features: Potential exists for wood turtle, blanding's turtle. Potential also exists for dry prairie plants such as Hill's thistle, pale agoseris, and Allegheny plum.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: None at this time.

Watershed and Fisheries Considerations: Dunham Lake and it's tributaries are part of the headwaters for the Tittabawassee River.

Wildlife Habitat Considerations: Acorn and browse production is good throughout the compartment. Cover is somewhat limited.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay for brick making elsewhere in the State. Most of the good gravel pits are associated with upland areas. Most of this Compartment is upland and potential is good. The abandoned Denton Creek Field is located seven miles to the northwest. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The Compartment is not currently leased.

Vehicle Access: Vehicle access is very good.

Survey Needs: None need at this time.

Recreational Facilities and Opportunities: An ORV trail and the Midland to Mackinaw hiking trail traverse this compartment. There is an unofficial campground located on the north shore of Dunham Lake.

Fire Protection: Little hazardous fuels exist. There are good water points and access is good.

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: 134

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
		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
Aspen		20	69	122	75														286
Bog or Marsh	8																		8
Cedar													17						17
Grass	10																		10
Lowlnd Brush	53																		53
Marsh	23																		23
Mx Swmp Cnfr										54									54
Oak		52	5	80						229									366
Paper Birch				5															5
Red Pine		11																	11
Swamp Hrdwds				12						8									20
Upland Brush		16																	16
Upland Hdwds		128		30															158
Water	5																		5
White Pine			6															2	8
Total	99	227	80	249	75					291			17					2	1040

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Individual Compartment Report

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 134

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	286																										286	
V Bog or Marsh			8																								8	
C Cedar				17																							17	
G Grass					10																						10	
L Lowlnd Brush									53																		53	
N Marsh											23																23	
Q Mx Swmp Cnfr												54															54	
O Oak														366													366	
B Paper Birch															5												5	
R Red Pine																11											11	
E Swamp Hrdwds																			20								20	
U Upland Brush																16											16	
M Upland Hdwds																31								127			158	
Z Water																									5		5	
W White Pine																										8	8	
Total	286		8	17	10				53		23	54		366	5	58				20					127	5	8	1040

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **134**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3768 Cds	Hardwood	828 Cds
Hardwood	1282 Mbf	Hardwood	245 Mbf
Softwood	965 Cds	Sum CutVol	1318 Cds
Softwood	26 Mbf		
Sum TotVol	7349 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	129
1040			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 134 **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
6	M1	4	6	63	red pine	immature		0	planting		
comnts Fmd : Roller chop and plant with the other set of stands that didn't regenerate.											
14	O9	57	84	65	oak	mature	thinning	3	natural regeneration		
comnts Fmd : Excellent road system for understory burning. Rx burn prior to tsale setup. Use hot pockets and damage to residual to create regen holes. Gradually transition to uneven-aged management. May use some supplemental planting of white pine in regen holes in the future and/or may consider a second burn first.											
24	O9	17	84	67	oak	two aged	shelterwood-seed	2	natural regeneration		
comnts Fmd : Mix of low quality northern red oak and mixed oak. Thinned in 1992. Thick small diameter red maple understory. Rx burn prior to shelterwood-seed harvest. Stand may require some supplemental planting around oak stump sprouts.											
25	O9	21	85	60	oak	mature	shelterwood-seed	2	planting		
comnts Fmd : Mark large red oak to leave for seed and mast. Some areas should regenerate aspen. Plant white pine around aspen and within undesirable roads											
54	A5	34	28	55	aspen (upland)	immature	final harvest	3			
comnts Fmd : Early aspen harvest of mostly quaking aspen. Sparse in several spots. Dormant season cut. Retention along stand 53 and of a small black cherry stand that is growing well. Small frost pocket/marsh in the northeast corner will also reduce acres slightly. Follow contour line of the stand to the south. Gradually transitions more upland to excellent quality solid bigtooth aspen to the south.											
62	U1	16	6	55	red pine	immature		0	planting		
comnts Fmd : Old landing area. Roller chop cherry brush leaving scattered oak stump sprouts. Plant red pine.											
68	M1	6	5	59	red pine	immature		0	planting		
comnts Fmd : Roller chop red maple and cherry weaving around scattered oak. Plant red pine.											
72	M2	17	5	59	red pine	immature		0	planting		
comnts Fmd : Roller chop red maple and cherry weaving around scattered oak. Plant red pine.											
73	M1	4	6	63	red pine	immature		0	planting		
comnts Fmd : Roller chop and plant with the other set of stands that didn't regenerate.											
400	G0	10		59	grass	nonstocked		0	opening maintenance		
comnts Fmd : Maintained wildlife opening that is next to ajn ORV trail. Small hills alongside the opening are eroded and could get closed using the tsale to the south.											
Total Acres.....		186									

**Proposed Treatments
With Limiting Factors**

Compartment: 134

Entry Year: 2010

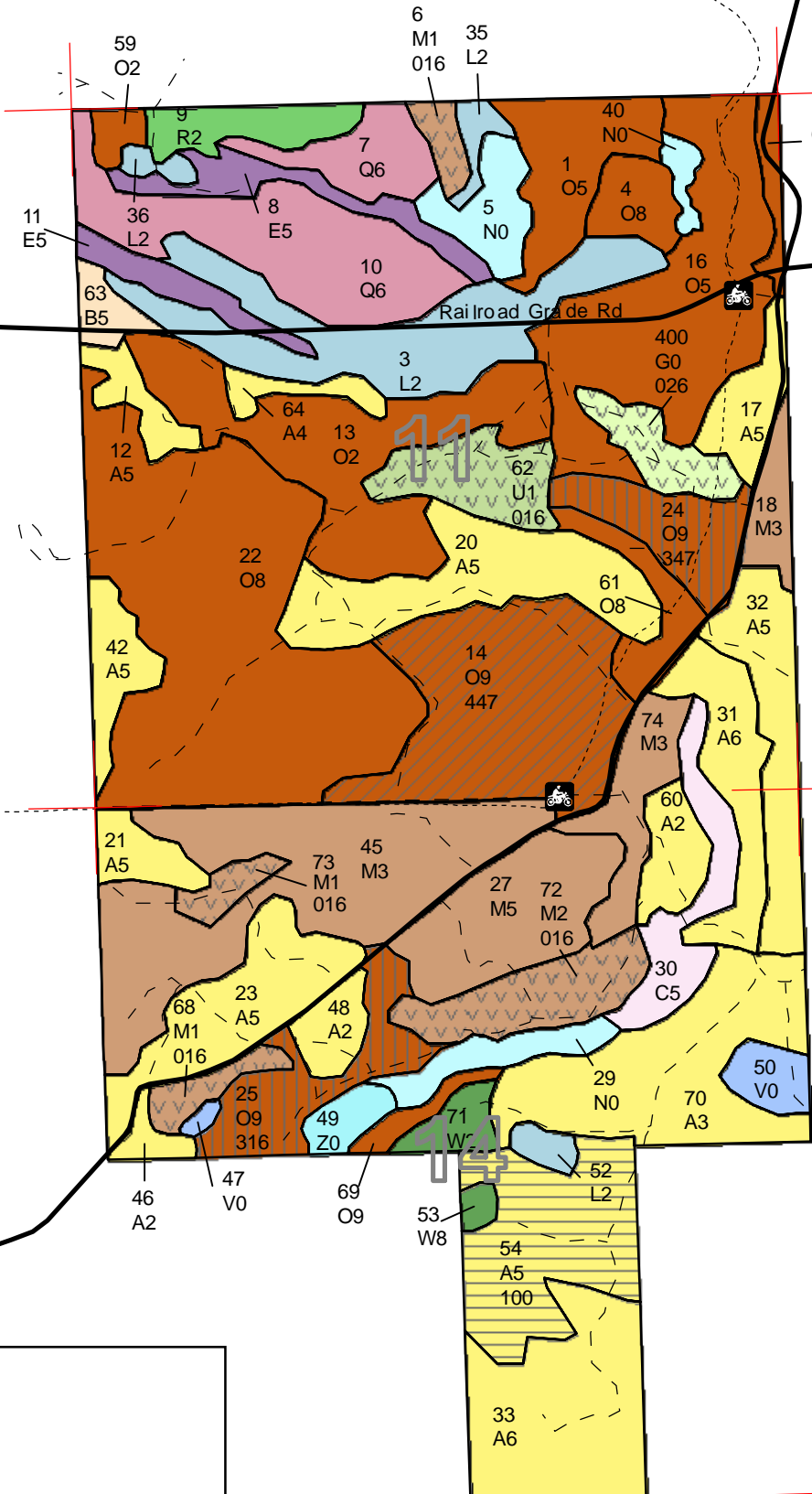
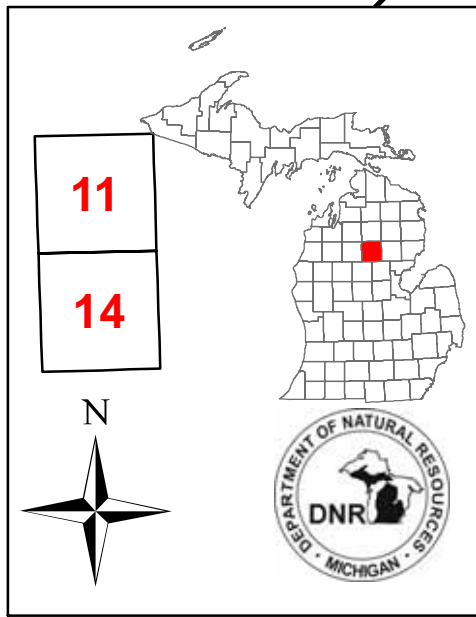
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

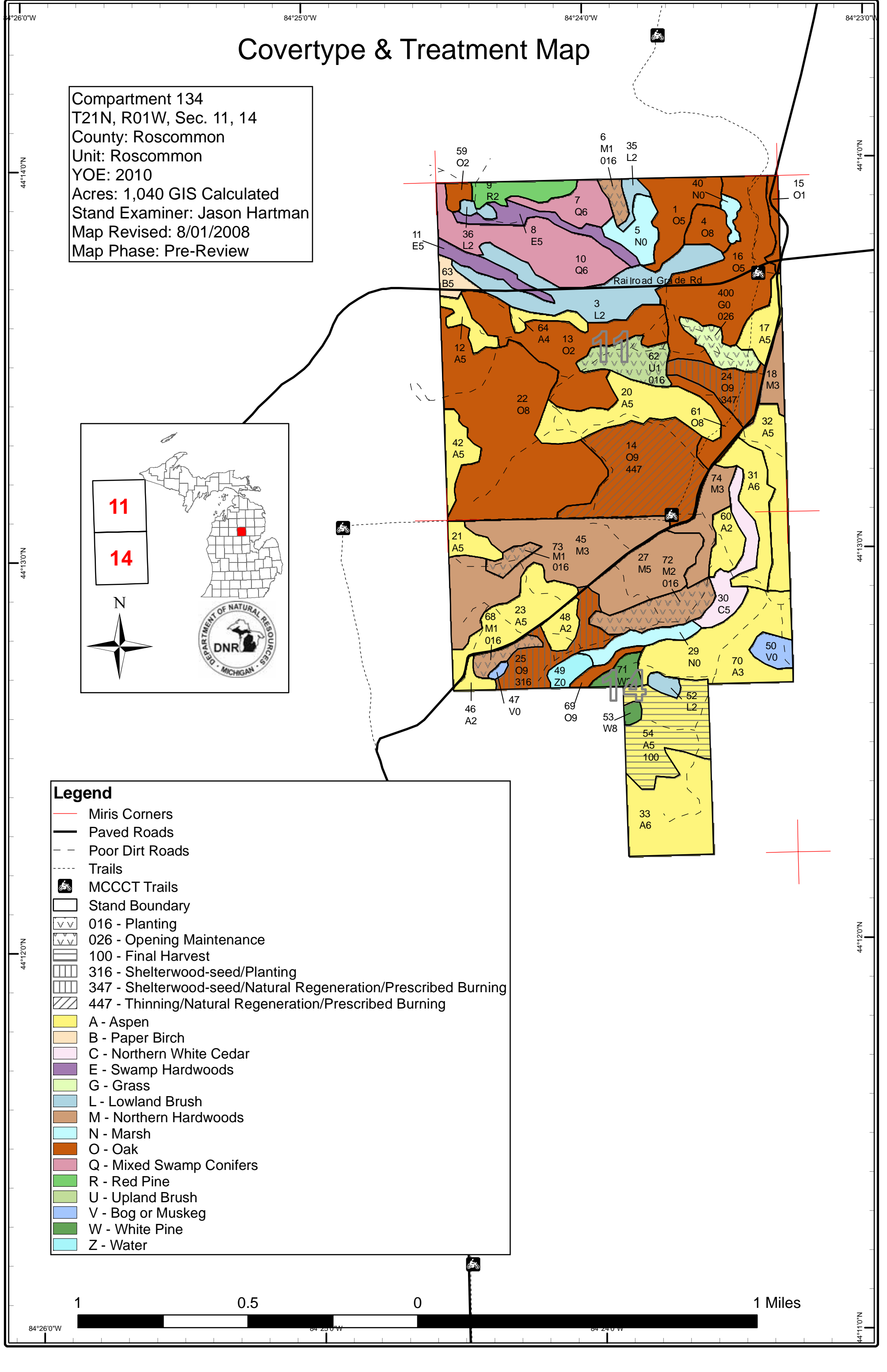
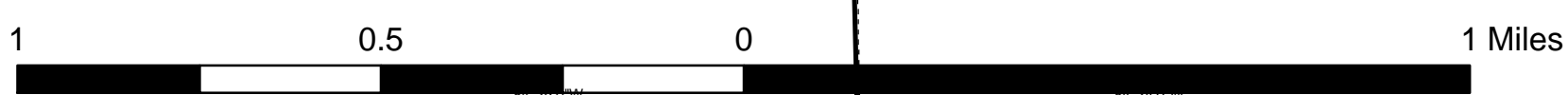
Covertime & Treatment Map

Compartment 134
 T21N, R01W, Sec. 11, 14
 County: Roscommon
 Unit: Roscommon
 YOE: 2010
 Acres: 1,040 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/01/2008
 Map Phase: Pre-Review



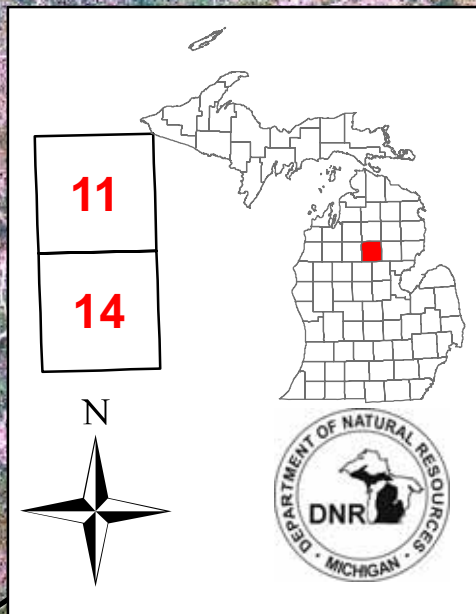
Legend

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- ⋯ Trails
- MCCCT Trails
- Stand Boundary
- 016 - Planting
- 026 - Opening Maintenance
- 100 - Final Harvest
- 316 - Shelterwood-seed/Planting
- 347 - Shelterwood-seed/Natural Regeneration/Prescribed Burning
- 447 - Thinning/Natural Regeneration/Prescribed Burning
- A - Aspen
- B - Paper Birch
- C - Northern White Cedar
- E - Swamp Hardwoods
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- Q - Mixed Swamp Conifers
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- Z - Water

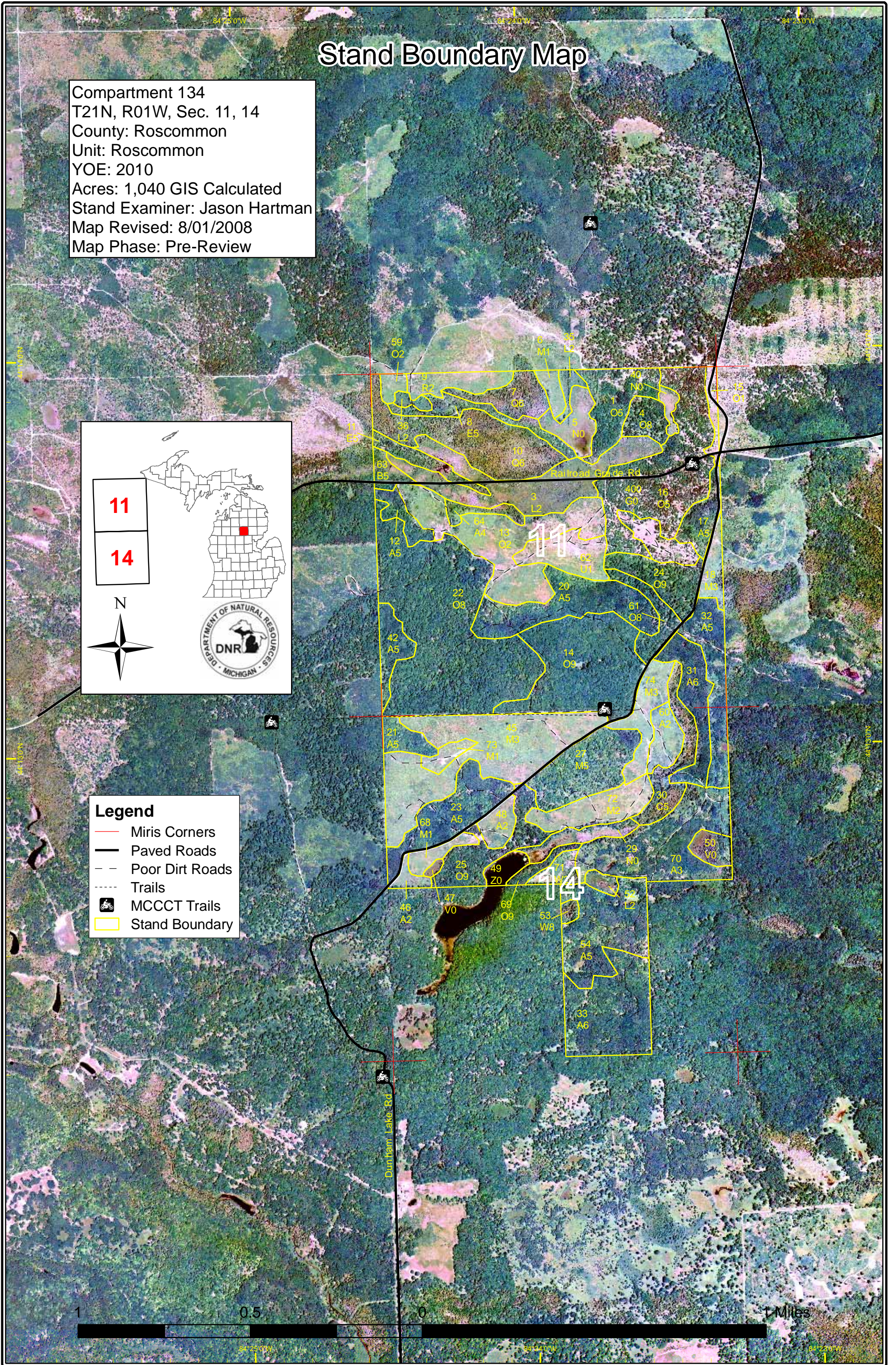


Stand Boundary Map

Compartment 134
 T21N, R01W, Sec. 11, 14
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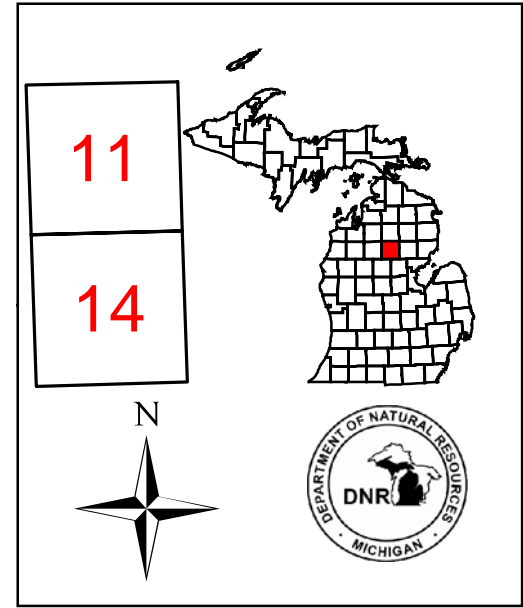


- Legend**
- Miris Corners
 - Paved Roads
 - - - Poor Dirt Roads
 - ⋯ Trails
 - 🚲 MCCCT Trails
 - Stand Boundary

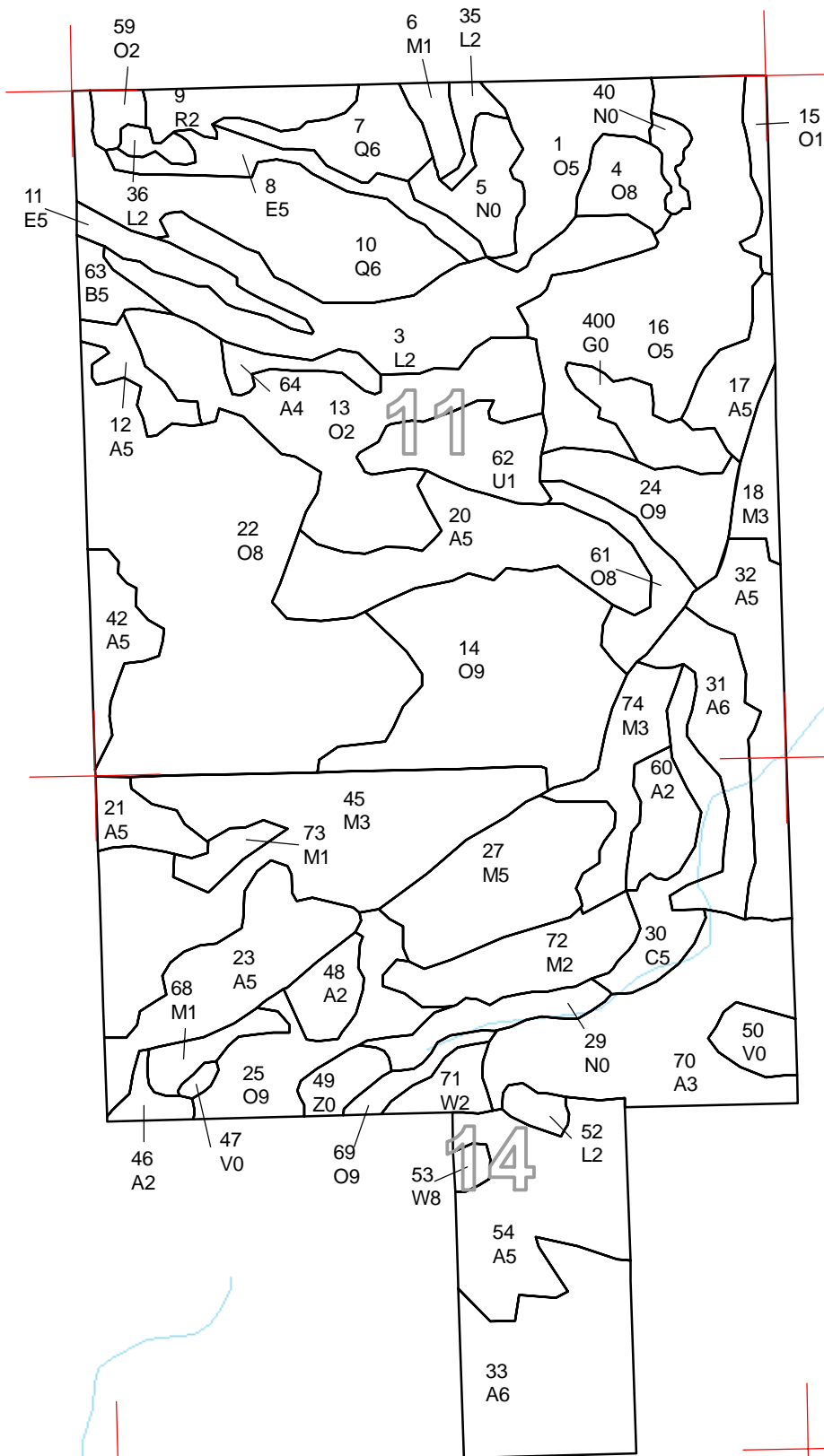


Dedicated & Proposed Special Conservation Area Map

Compartment 134
 T21N, R01W, Sec. 11, 14
 County: Roscommon
 Unit: Roscommon
 YOY: 2010
 Acres: 1,040 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/01/2008
 Map Phase: Pre-Review



Legend
 — Miris Corners
 — Cold Water Streams



84°25'0"W 84°24'0"W 84°23'0"W

44°14'0"N

44°13'0"N

44°12'0"N

44°14'0"N

44°13'0"N

44°12'0"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	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.