



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 140

ENTRY YEAR: 2010
Compartment Acreage: 522
County: Cheboygan

Revision Date: 4/22/2008

Stand Examiner: Don Stacks

Legal Description: T36N R03W Sec. 7, 8 and 18.

Management Goals: To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and Topography: Mostly Blue Lakes and Rubicon sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private ownership and residences exist on all sides of the compartment with a fairly large block of contiguous ownership belonging to the University of Michigan on the north side. Much of the private ownership is wooded. Several active farms are located nearby.

Unique, Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: Stands 19, 20, and 21 are listed for disposal because of access and acreage issues.

Watershed and Fisheries Considerations: This compartment is adjacent to Burt Lake, and contains a small unnamed tributary to that lake. This tributary is classified as a warm transitional stream, meaning it supports primarily warm water fish species, but is cool enough to hold a few trout. The proposed management activities (red pine thinning) are appropriate for the protection of this waterbody.

Wildlife Habitat Considerations: This small compartment lies on the west side of Burt Lake. All of the aspen in this compartment has been treated in the last 30 years so in the next rotation we will begin treated some of it to maintain age class diversity for grouse, woodcock, turkey, and deer.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 200 and 400 feet. The Devonian Traverse Group, Bell Shale and Dundee Limestone subcrop below the glacial drift. The Traverse and Dundee are quarried for limestone in other areas of the State. A gravel pit is located in Section 29 and there appears to be potential. The nearest oil and gas production, the Antrim Shale gas play, is located 16 miles to the south. There is no known oil and gas potential in the area.

Vehicle Access: Two county roads and numerous forest trail roads provide access into the compartment in sections 7 and 8. Access is limited into the southwest portion of section 18 from the compartment adjacent to the south because of private ownership.

Survey Needs: None expected.

Recreational Facilities and Opportunities: No designated trails within compartment boundary.

Fire Protection: The Pellston Field Office and the Village of Pellston VFD is located 5 miles to the northwest.

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 140

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			73	50	198		4		9	31									365
Grass	22																		22
Red Pine						14													14
Upland Brush	5																		5
Upland Hdwds																		86	86
White Pine											30								30
Total	27		73	50	198	14	4		9	31	30							86	522

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 140

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	365																										365
G Grass					22																						22
R Red Pine																14											14
U Upland Brush																								5			5
M Upland Hdwds																									86		86
W White Pine																										30	30
Total	365				22										14									5	86	30	522

MACKINAW STATE FOREST

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Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4186 Cds	Softwood	122 Cds
Hardwood	350 Mbf	Softwood	13 Mbf
Softwood	935 Cds	Sum CutVol	148 Cds
Softwood	105 Mbf		
Sum TotVol	6031 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
522		14	

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 140 **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
6	R6	14	45	69	red pine	immature	thinning	1		

comnts Fmd : RED PINE PLANTATION IN TRANSITION FROM POLETIMBER TO BOLTWOOD AND SAWTIMBER. STAND WAS ROW-THINNED IN 2002. PRESCRIBE 2ND THINNING THIS Y.O.E. MARK DOWN TO 100-120 SQ. FT. BA. STAND RETENTION EXISTS IN RESIDUAL B.A.

Total Acres..... 14

**Proposed Treatments
With Limiting Factors**

Compartment: 140

Entry Year: 2010

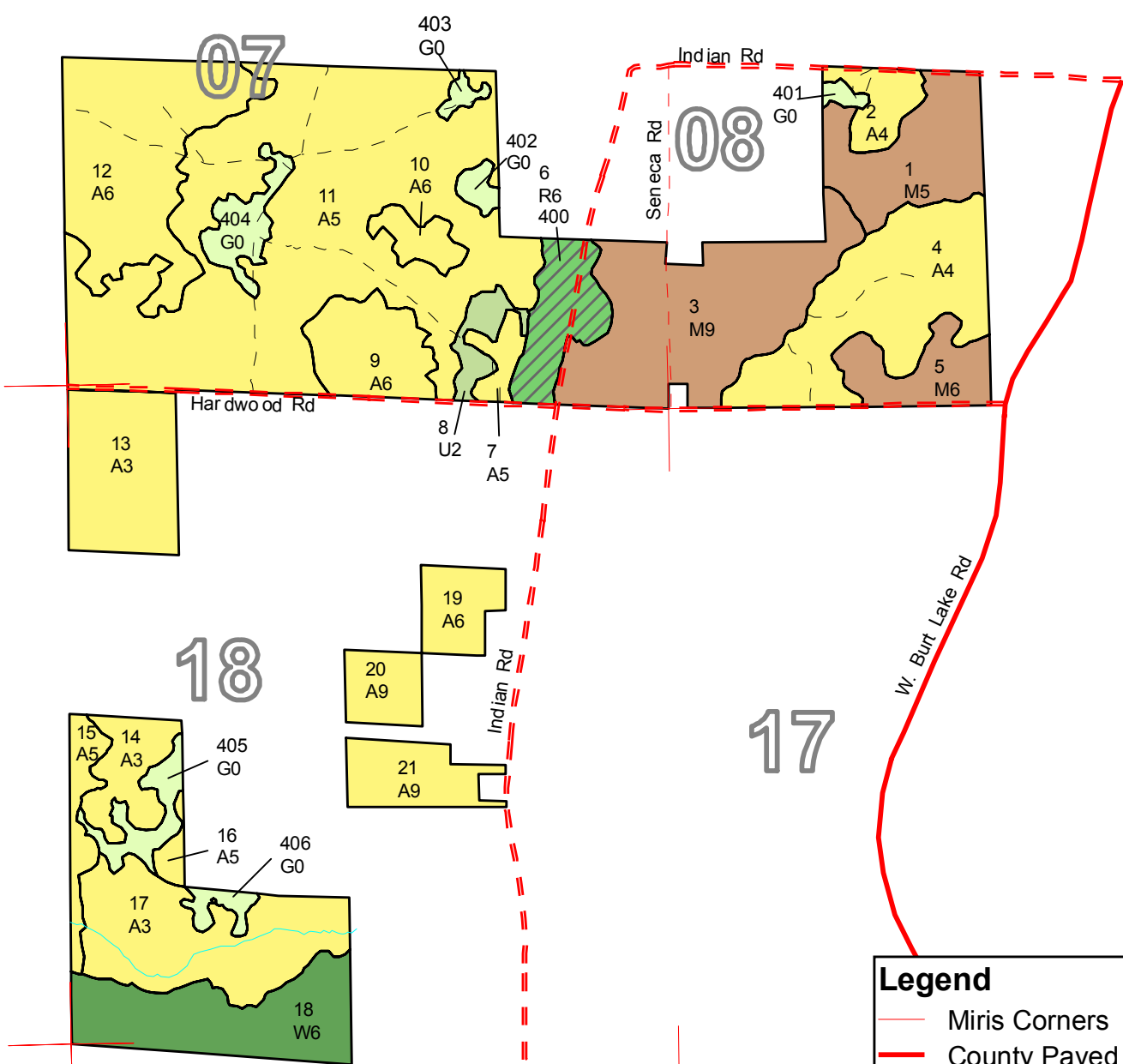
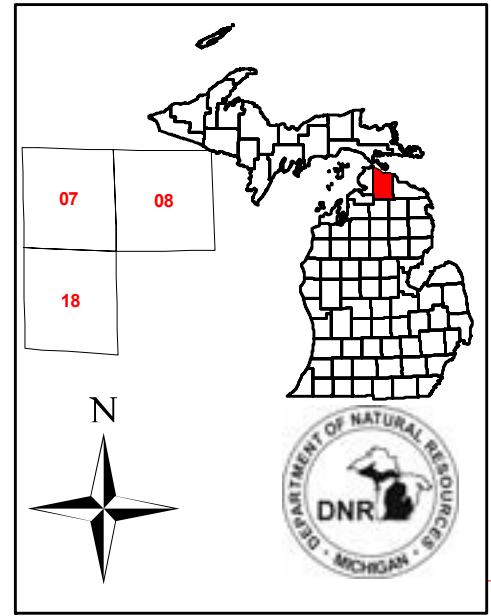
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

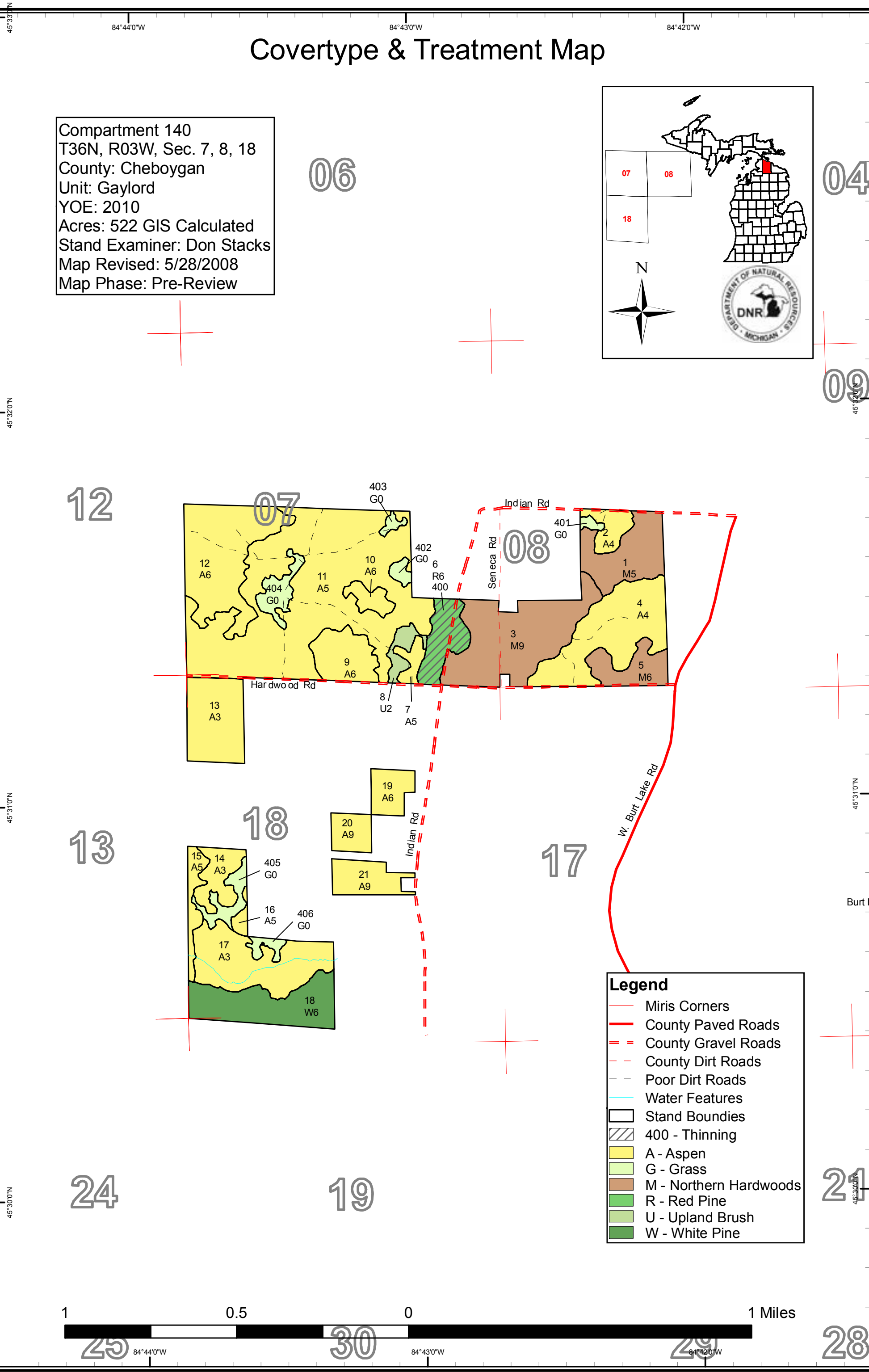
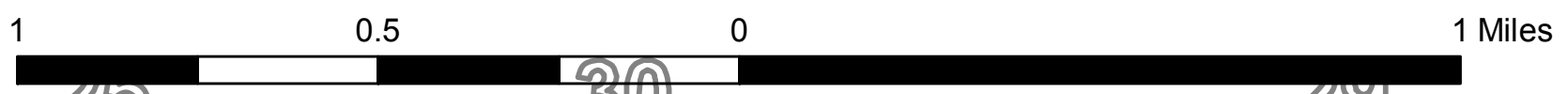
Covertypes & Treatment Map

Compartment 140
 T36N, R03W, Sec. 7, 8, 18
 County: Cheboygan
 Unit: Gaylord
 YOE: 2010
 Acres: 522 GIS Calculated
 Stand Examiner: Don Stacks
 Map Revised: 5/28/2008
 Map Phase: Pre-Review



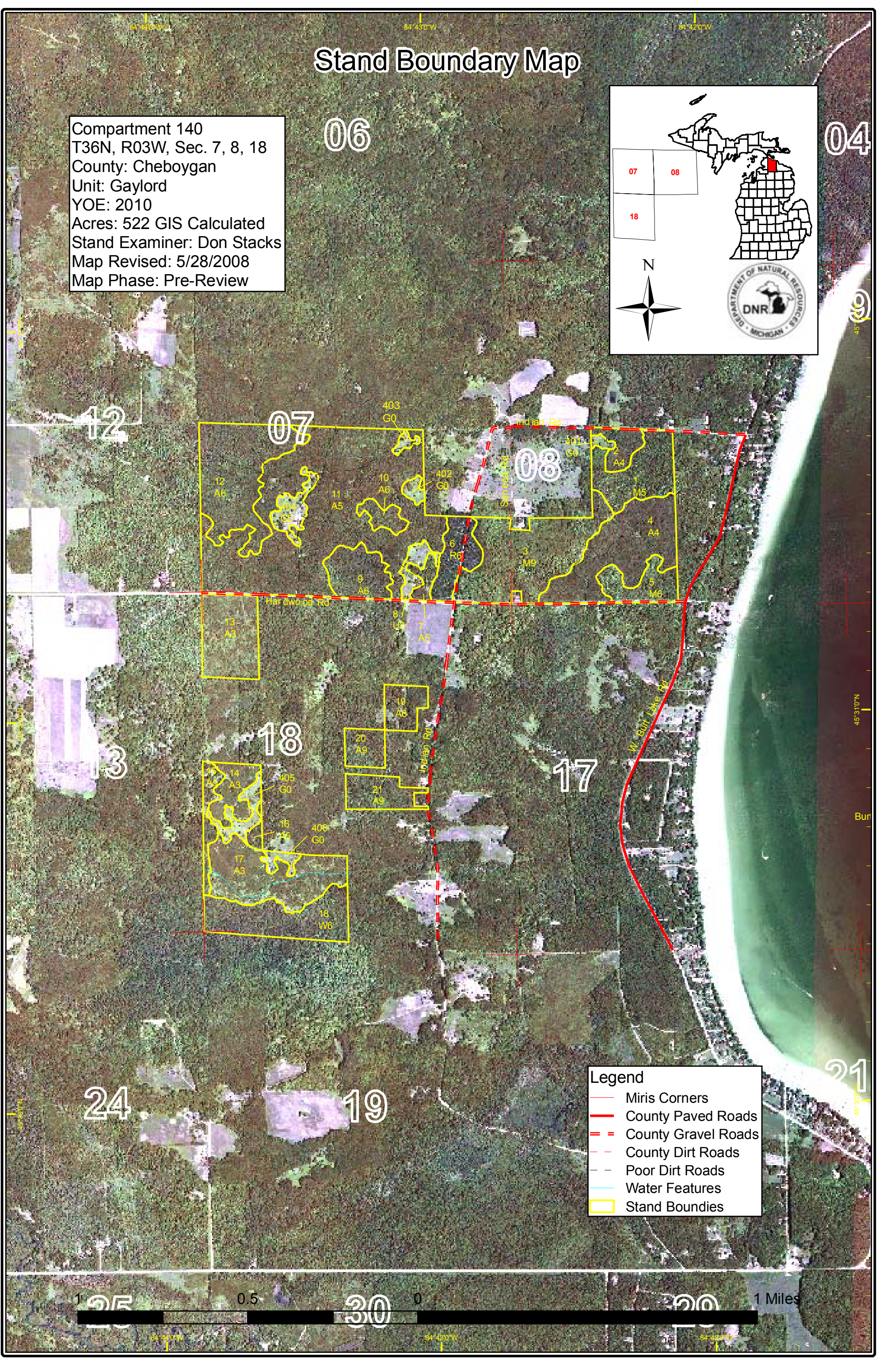
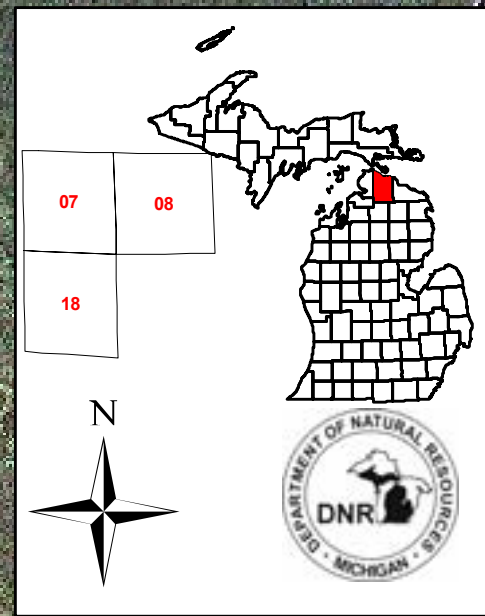
Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- County Dirt Roads
- Poor Dirt Roads
- Water Features
- Stand Boundaries
- 400 - Thinning
- A - Aspen
- G - Grass
- M - Northern Hardwoods
- R - Red Pine
- U - Upland Brush
- W - White Pine



Stand Boundary Map

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