



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 27

ENTRY YEAR: 2011
Compartment Acreage: 410
County: OTSEGO

Revision Date: 4/20/2009

Stand Examiner: Lentz

Legal Description: T30N R3W Sec. 25

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: The majority of the compartment is Rubicon-Grayling Sand. A minor component includes Roselawn-Rubicon Sands. Soil type in the bogs and wetlands is Rifle Peat. The terrain is level with a few low depressions which are occupied with wetlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership in Section is 410 acres with most of the surrounding land being private land ownership and subdivisions.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Gas well development by several companies has created eight gas wells and two facility sites with a network of buried gas pipelines.

Watershed and Fisheries Considerations: This compartment contains Bob Lake. Best Management Practices should be followed.

Wildlife Habitat Considerations: This small compartment contains mostly upland areas with the exception of a small wetland in the west side of section 25 and Bob Lake in the SE side of section 25. Bob Lake is used by various waterfowl along with numerous furbearers. Both areas are home to a variety of amphibian species. The aspen in stands 1, 8, and 11 will be cut to maintain early successional habitat preferred by grouse, woodcock, and white-tailed deer. The oak is going to be left in these prescriptions for mast production. Stand 9 is going to be held until the aspen in the adjacent stand is cut to maintain a diversity of aspen age classes. This area receives considerable hunting pressure from deer, turkey, upland game, and waterfowl hunters.

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 800 and 1,000 feet. The Mississippian Coldwater Shale subcrops below the glacial drift. The Coldwater does not have an economic use. The nearest gravel pit is located three miles to the west, but there may be some potential on the uplands. The compartment has been developed for Antrim Shale gas production and is also located in the Niagaran reef trend. All State lands are leased and in production.

Vehicle Access: Access is good throughout the compartment.

Survey Needs: Survey corners have been established previously for this compartment.

Recreational Facilities and Opportunities: There is an ORV route in this compartment. There is also a staging area (grassy opening) in the northwest corner of stand 19 directly across the road from the westernmost ORV route end.

Fire Protection:

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**

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 27

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	135																										135
V Bog or Marsh			1																								1
G Grass					14																						14
X Non Stocked													4														4
R Red Pine																43											43
Z Water																									20		20
W White Pine																										193	193
Total	135		1		14								4			43									20	193	410

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **27**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1517 Cds	Hardwood	798 Cds
Hardwood	45 Mbf	Hardwood	38 Mbf
Softwood	2407 Cds	Softwood	20 Mbf
Softwood	116 Mbf	Sum CutVol	914 Cds
Sum TotVol	4246 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	78
410			

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 27

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	A5	30	58	62	aspen (upland)	mature	final harvest	1		
comnts Fmd : Mixed aged aspen stand with signs of conks on poletimber. Prescribe final harvest to cut aspen, white birch, & red maple. Leave any scattered Oak and White Pine. Noted previous stand was native white pine with dense residual white pine stumps here. N										
8	A5	27	44	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : Aspen stand with mixed age and stand density ranging from an A5 to A6. Final harvest prescribed to cut white birch, red maple, and aspen. Leave scattered oak and white pine for visual reasons. No retention needed.										
11	A6	21	64	66	aspen (upland)	mature	final harvest	1		
comnts Fmd : Final harvest with the exception of leaving scattered white pine and oak which will be beneficial visually adjacent to Bob lake. When harvest is done, a 2 chain retention along the south shore of Bob Lake is recommended.										
Total Acres.....		78								

**Proposed Treatments
With Limiting Factors**

Compartment: 27

Entry Year: 2011

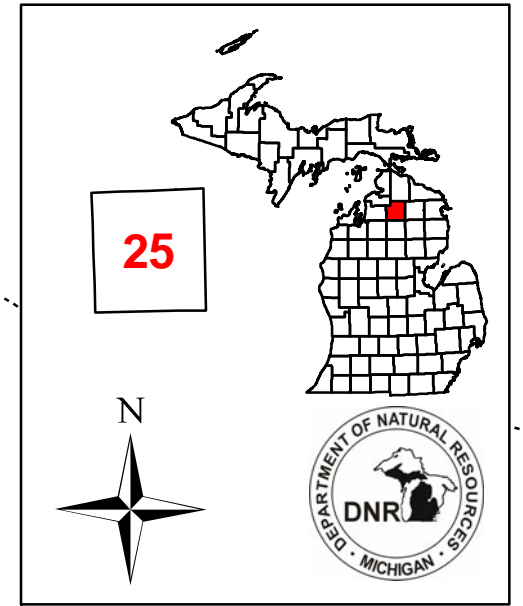
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

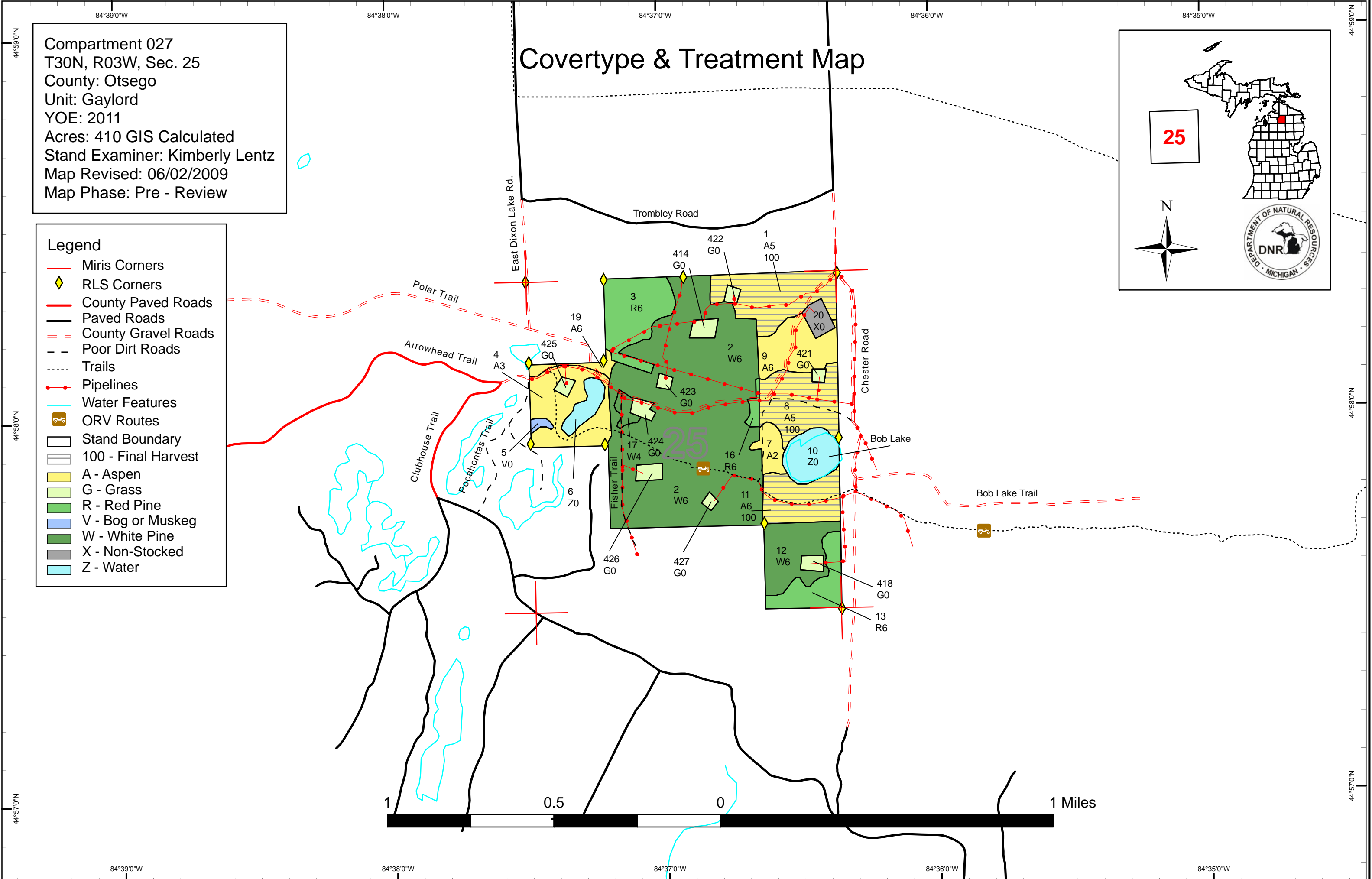
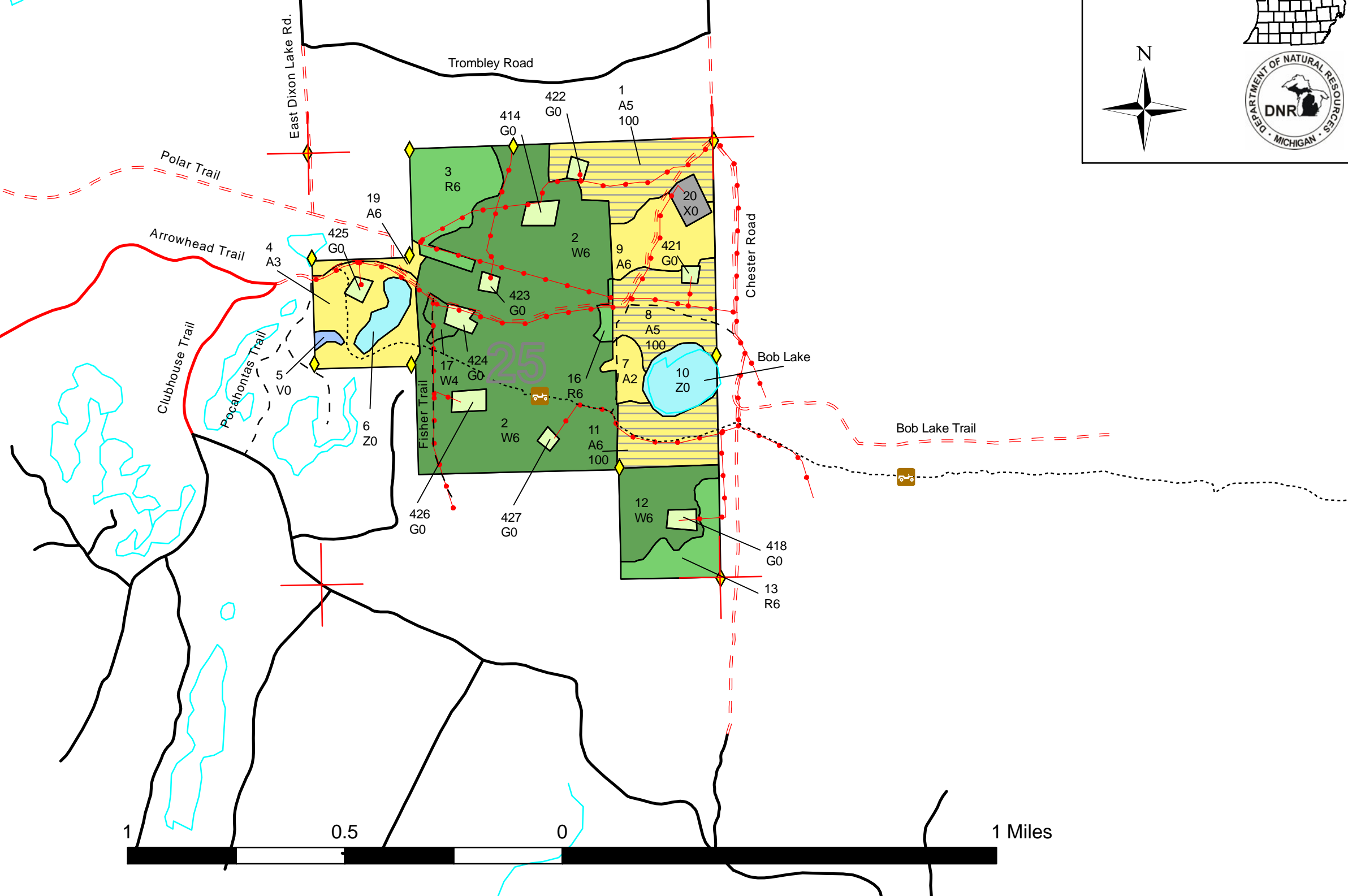
Total Acres..... 0

Compartment 027
 T30N, R03W, Sec. 25
 County: Otsego
 Unit: Gaylord
 YOE: 2011
 Acres: 410 GIS Calculated
 Stand Examiner: Kimberly Lentz
 Map Revised: 06/02/2009
 Map Phase: Pre - Review

Covertime & Treatment Map



- Legend**
- Miris Corners
 - ◆ RLS Corners
 - County Paved Roads
 - Paved Roads
 - - - County Gravel Roads
 - - - Poor Dirt Roads
 - Trails
 - Pipelines
 - Water Features
 - ORV Routes
 - Stand Boundary
 - 100 - Final Harvest
 - A - Aspen
 - G - Grass
 - R - Red Pine
 - V - Bog or Muskeg
 - W - White Pine
 - X - Non-Stocked
 - Z - Water



Stand Boundary Map

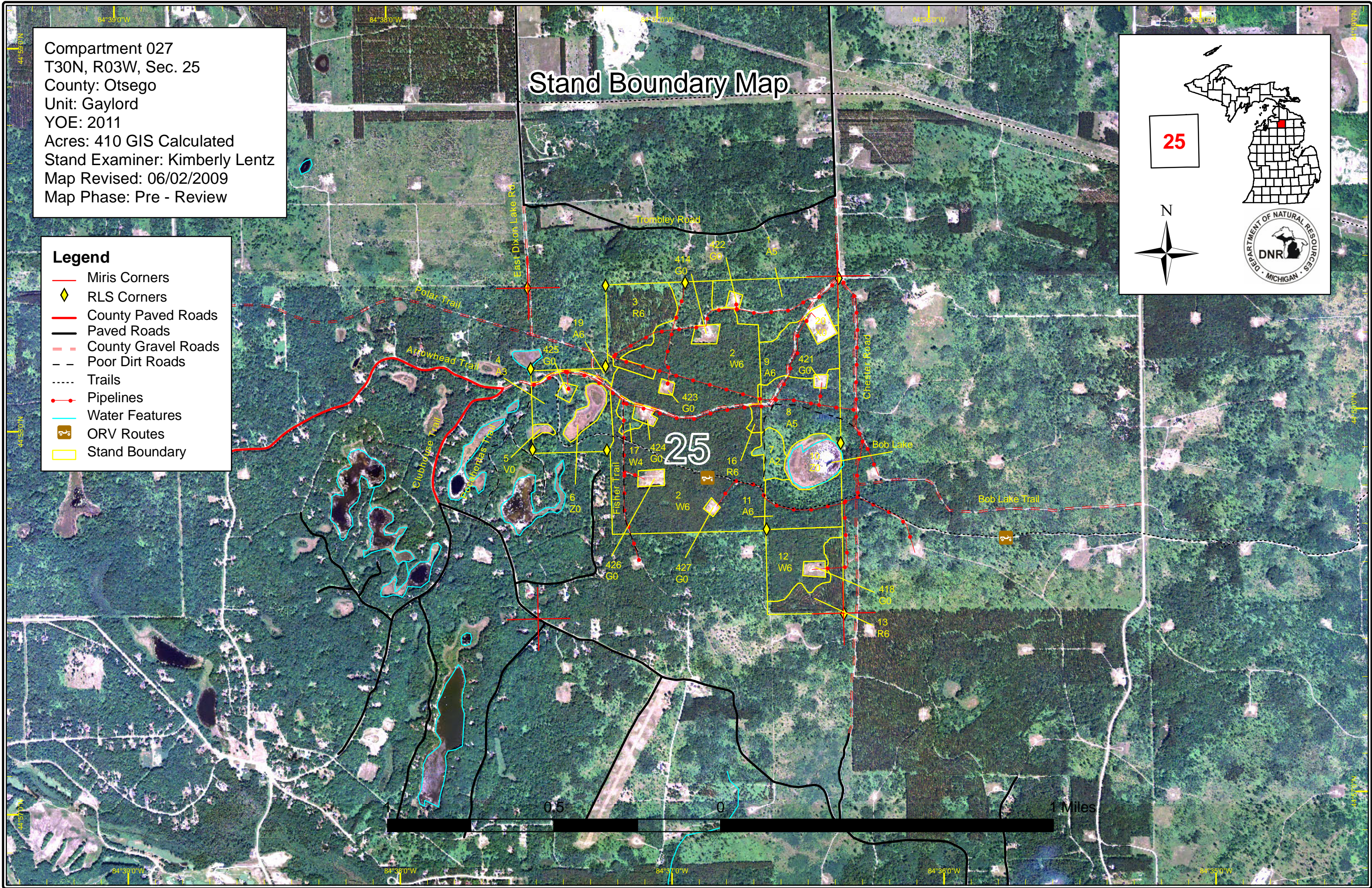
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Legend

- Miris Corners
- RLS Corners
- County Paved Roads
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N

DNR
DEPARTMENT OF NATURAL RESOURCES
MICHIGAN

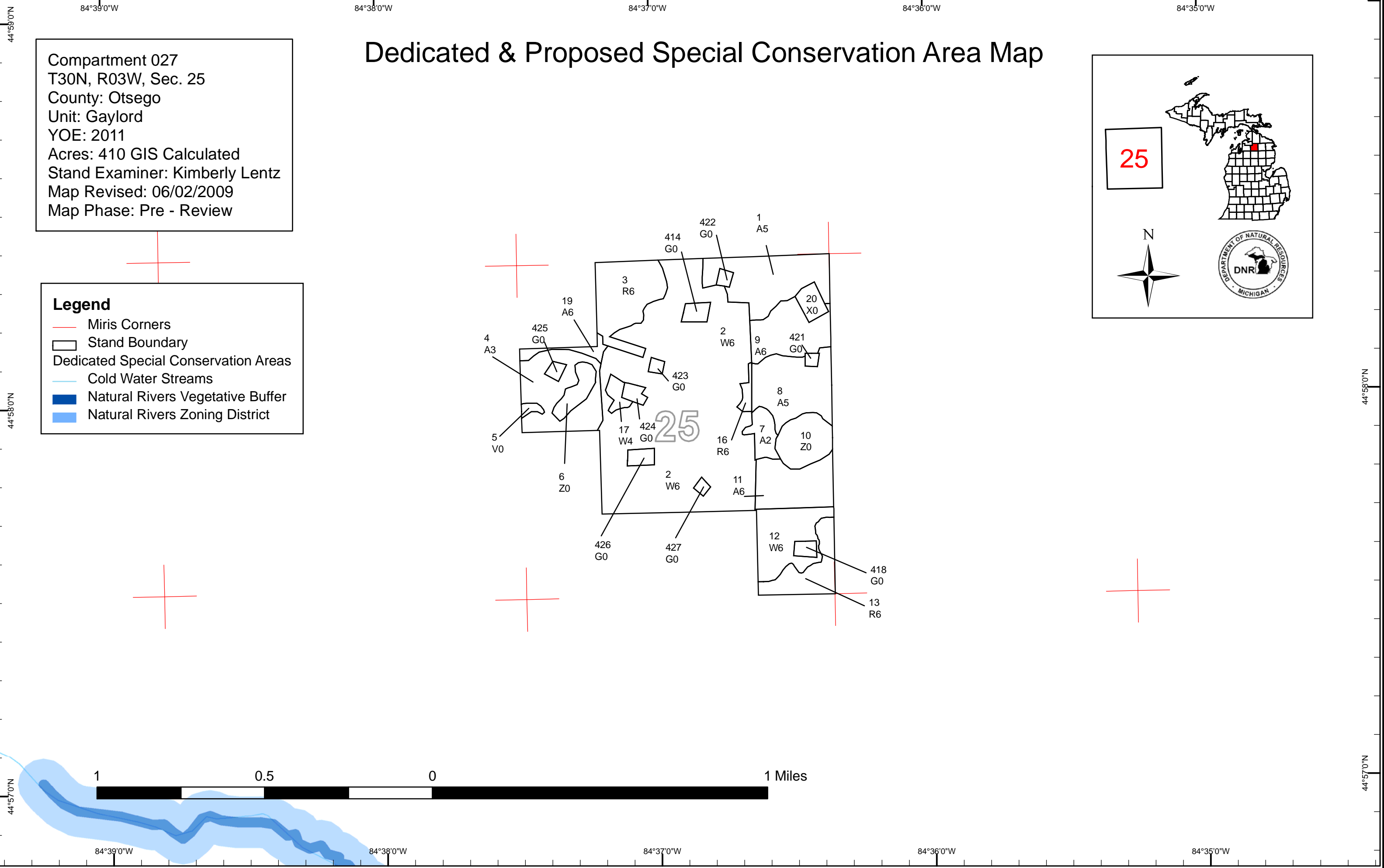
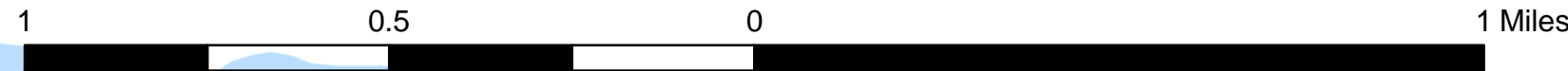
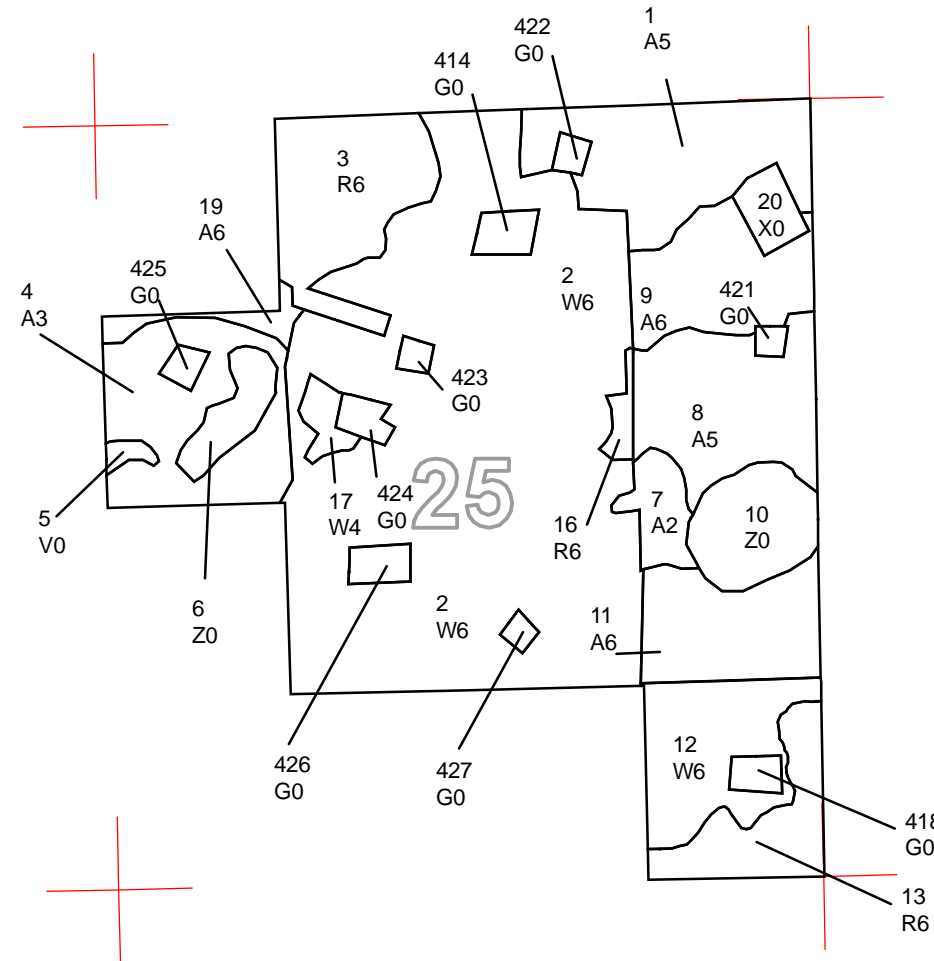
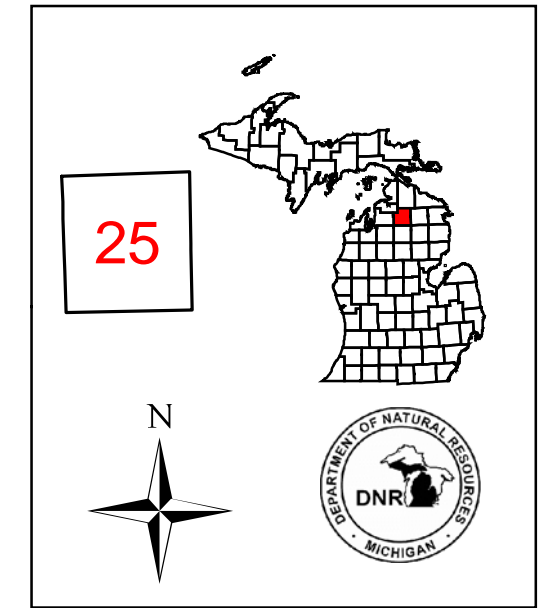


Dedicated & Proposed Special Conservation Area Map

Compartment 027
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Legend

- Miris Corners
- Stand Boundary
- Dedicated Special Conservation Areas
- Cold Water Streams
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District





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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