



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 168 ENTRY YEAR: 2011

Compartment Acreage: 1610 County: Cheboygan

Revision Date: July 10, 2009

Stand Examiner: Tim Paulus

Legal Description: T37N R01E Sec 5,6, & 7

RMU (if applicable):

Management Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

Soil and Topography: The topography of the west portion of the compartment is level upland ground predominated by Red Pine and some Jack Pine. The east portion of the compartment is very wet with a lot of bogs, marshes, and wet timber types.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

To the east of the compartment has private, a commercial cranberry operation to the south-east, but mostly state land on all other sides. The entire compartment receives a large amount of recreational use.

Unique, Natural Features:

Some species are present in and around the compartment.

Archeological, Historical, and Cultural Features.

None known.

Special Management Designations or Considerations:

Section 7 contains the "Mud Lake/ Duck Lake/ Duck Marsh Nature Study Area.

Watershed and Fisheries Considerations:

Fisheries Concerns is General:

Wildlife Habitat Considerations: This compartment is ranges from very dry to mesic and therefore has the potential to support a wide variety of wildlife. The marsh and bog complexes with adjacent forest are ideal for waterfowl production and multiple amphibian and reptile species, as well as those wildlife that depend on them. Beaver activity is common, and adds to the dynamic nature of the eastern portion of the compartment. The uplands on the western portion of the compartment provide habitat for multiple songbird species as well as multiple game species including white-tailed deer and ruffed grouse. No treatments should be conducted within the Nature Study Area per memo #2373, October 26, 1999. This includes Stand # 32

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Detroit River Group, used for dolomite/stone. Sand and gravel pits are located in this area, and there should be potential. A peat area is located one mile to the southeast. This area has had no drilling for oil and gas and potential appears to be limited. None of the State lands are leased for oil and gas development.

Vehicle Access:

This compartment is accessed from Alpena State Road. There are several two tracks for traversing the area. The O.R.V. Route along the north side of section 7 need to be relocated as it is giving access to the Nature Study Area where o.r.v.s are illegally using the wetlands. Several small two-tracks between Alpena State road and Mud Lake need to be closed for the same reason.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are many opportunities for snowmobiling, o.r.v. riding, hunting and wildlife viewing in the area.

Fire Protection:

Fire response to the compartment will be covered by the Onaway DNR office as well as the Alverno Township Fire Department.

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

ATLANTA FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 168

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			92	13	191	235			47										578
Cedar								8											8
Grass	11																		11
Jack Pine						37													37
Lowlnd Brush	34																		34
Lowlnd Poplr				45			22		245										312
Marsh	180																		180
Non Stocked	12																		12
Oak																		7	7
Red Pine									355										355
Swamp Hrdwds									50										50
White Pine									17									9	26
Total	237		92	58	191	272	22	8	714									16	1610

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 168

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	578																										578
C Cedar												8															8
G Grass					11																						11
J Jack Pine							37																				37
L Lowlnd Brush									34																		34
P Lowlnd Poplr									312																		312
N Marsh										180																	180
X Non Stocked													12														12
O Oak														7													7
R Red Pine															355												355
E Swamp Hrdwds																			50								50
W White Pine																										26	26
Total	578				11		37		34	312	180	8	12	7	355				50							26	1610

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **168**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5344 Cds	Hardwood	1058 Cds
Hardwood	65 Mbf	Softwood	252 Cds
Softwood	8652 Cds	Softwood	22 Mbf
Softwood	161 Mbf	Sum CutVol	1354 Cds
Sum TotVol	14448 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1610		77	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 168 **Entry Year: 2011**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
9	P6	17	70	53	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	1		
comnts Fmd : PROTECT YOUNG OAK -DO NOT CUT. MIXED REGENERATION IS ACCEPTABLE.STAND ACREAGE WILL BE REDUCED DUE TO WET AREAS WITHIN STAND THAT WILL HAVE TO EXCLUDED.										
32	N0	71		40	marsh	nonstocked		0	other - specify in remarks	
comnts Fmd : Mud Lake/Duck Lake Natural Area.CLOSE ROADS o.r.v. are accessing the marsh and mud bogging.										
44	A6	47	70	53	aspen (upland)	mature	final harvest	1		
comnts Fmd : cut. Stay out of wet areas and marsh edges. Area available for harvest will vary with fluctuations in water table. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.										
434	G0	2		50	grass	nonstocked		0	opening maintenance	
comnts Fmd :										
451	G0	9		55	grass	nonstocked		0	opening maintenance	

Total Acres..... 146

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 168 Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
21	R9	5	77	50	red pine	mature	thinning	2		

TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage

comnts Fmd : THIN AS MARKET ALLOWS

42	C6	8	65	40	mixed swamp conifer	mature	final harvest	2		
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TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage

comnts Fmd : poor access.

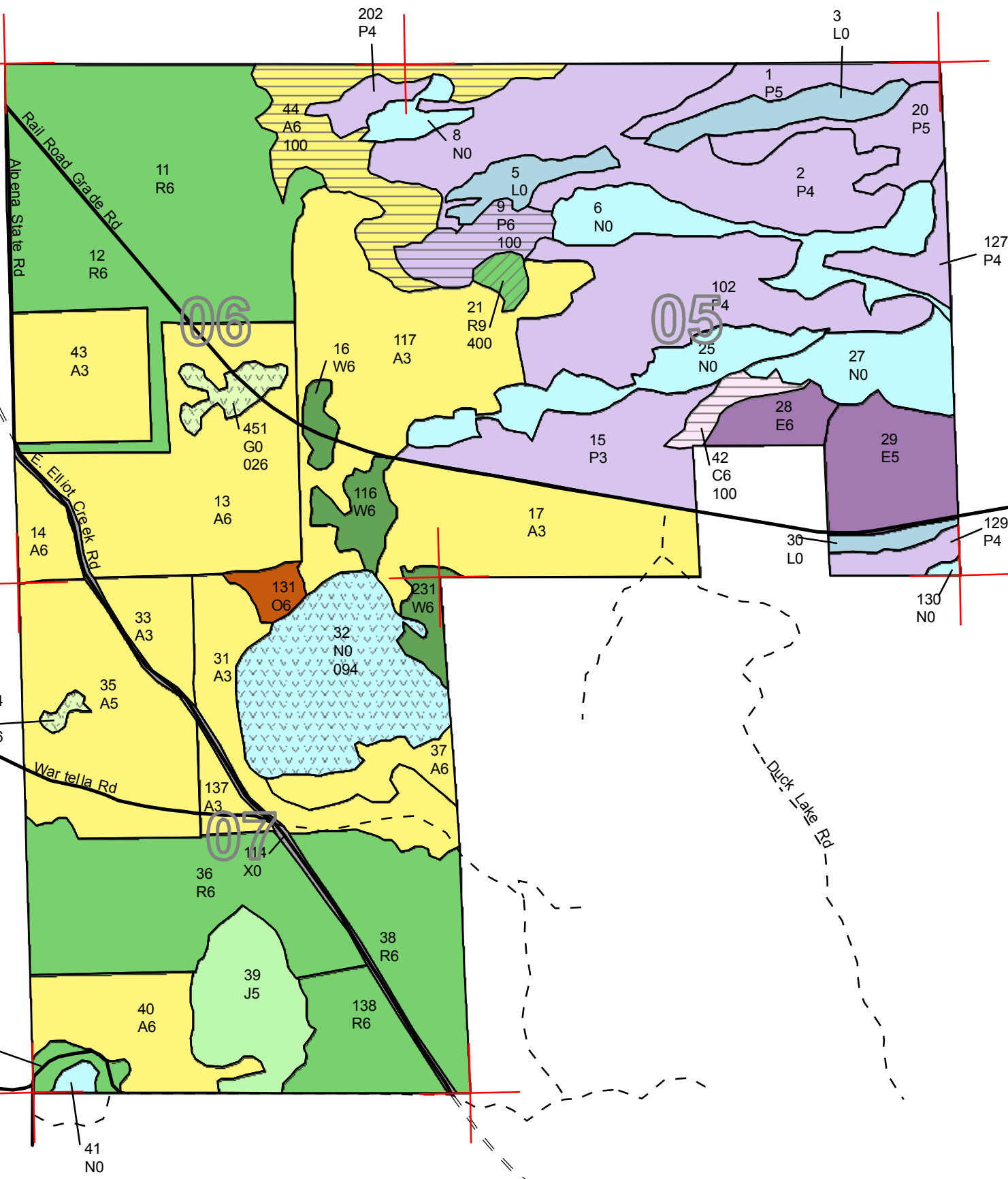
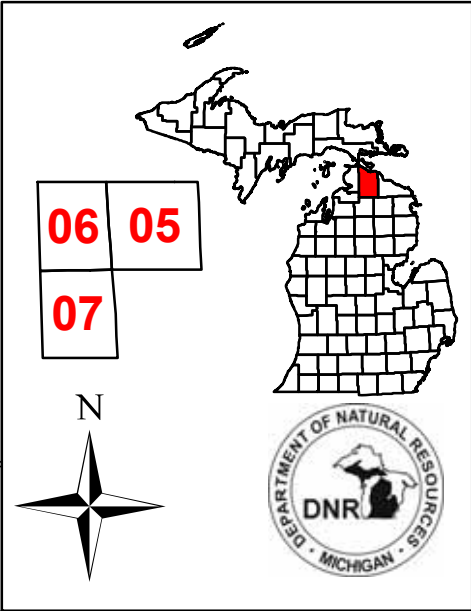
Total Acres..... 13

Covertime & Treatment Map

Compartment 168
 T37N, R01E, Sec. 5, 6, 7
 County: Cheboygan
 Unit: Atlanta
 YOE: 2011
 Acres: 1,610 GIS Calculated
 Stand Examiner: Timothy Paulus
 Map Revised: 7/16/2009
 Map Phase: Pre-review

Legend

- Miris Corners
- Gravel Roads
- Paved Roads
- Poor Dirt Roads
- Stand Boundary
- 026 - Opening Maintenance
- 094 - Other/Bulldozer
- 100 - Final Harvest
- 400 - Thinning
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- N - Marsh
- O - Oak
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- R - Red Pine
- W - White Pine
- X - Non-Stocked

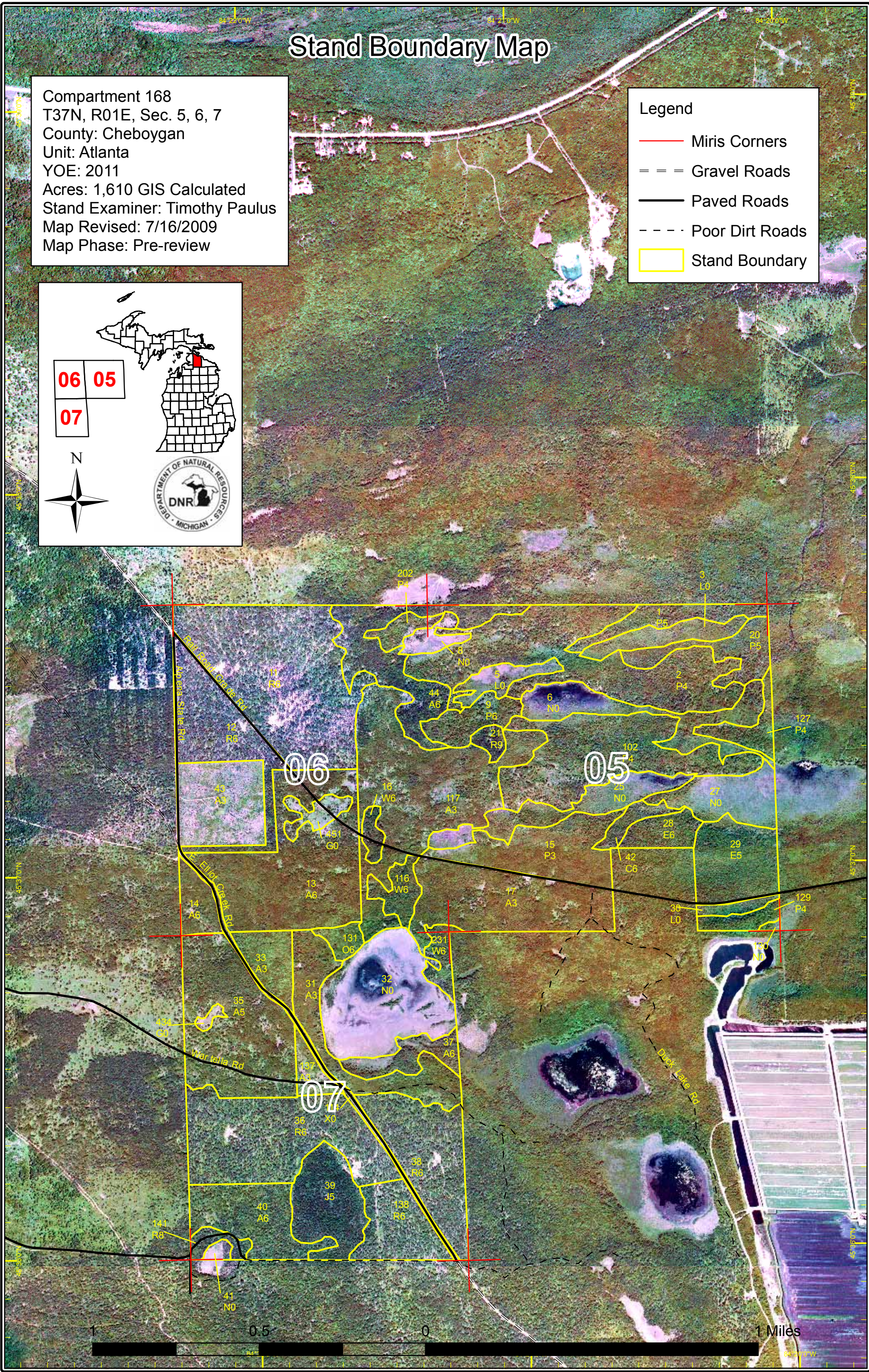
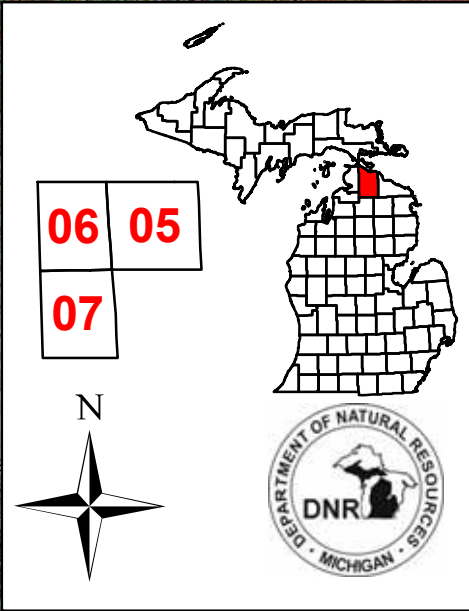


Stand Boundary Map

Compartment 168
 T37N, R01E, Sec. 5, 6, 7
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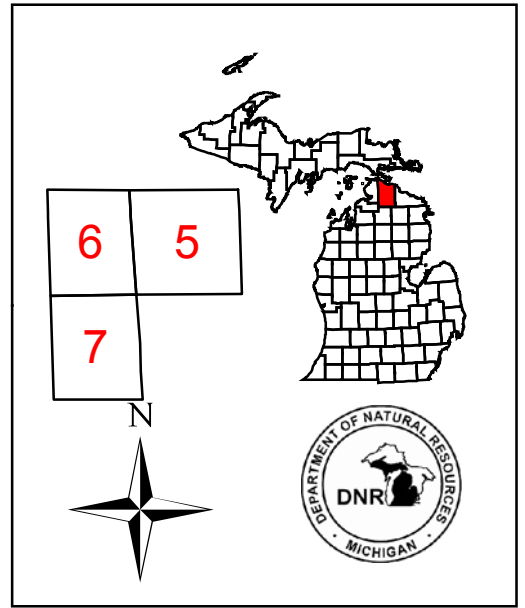
Legend

- Miris Corners
- == Gravel Roads
- Paved Roads
- - - Poor Dirt Roads
- Stand Boundary

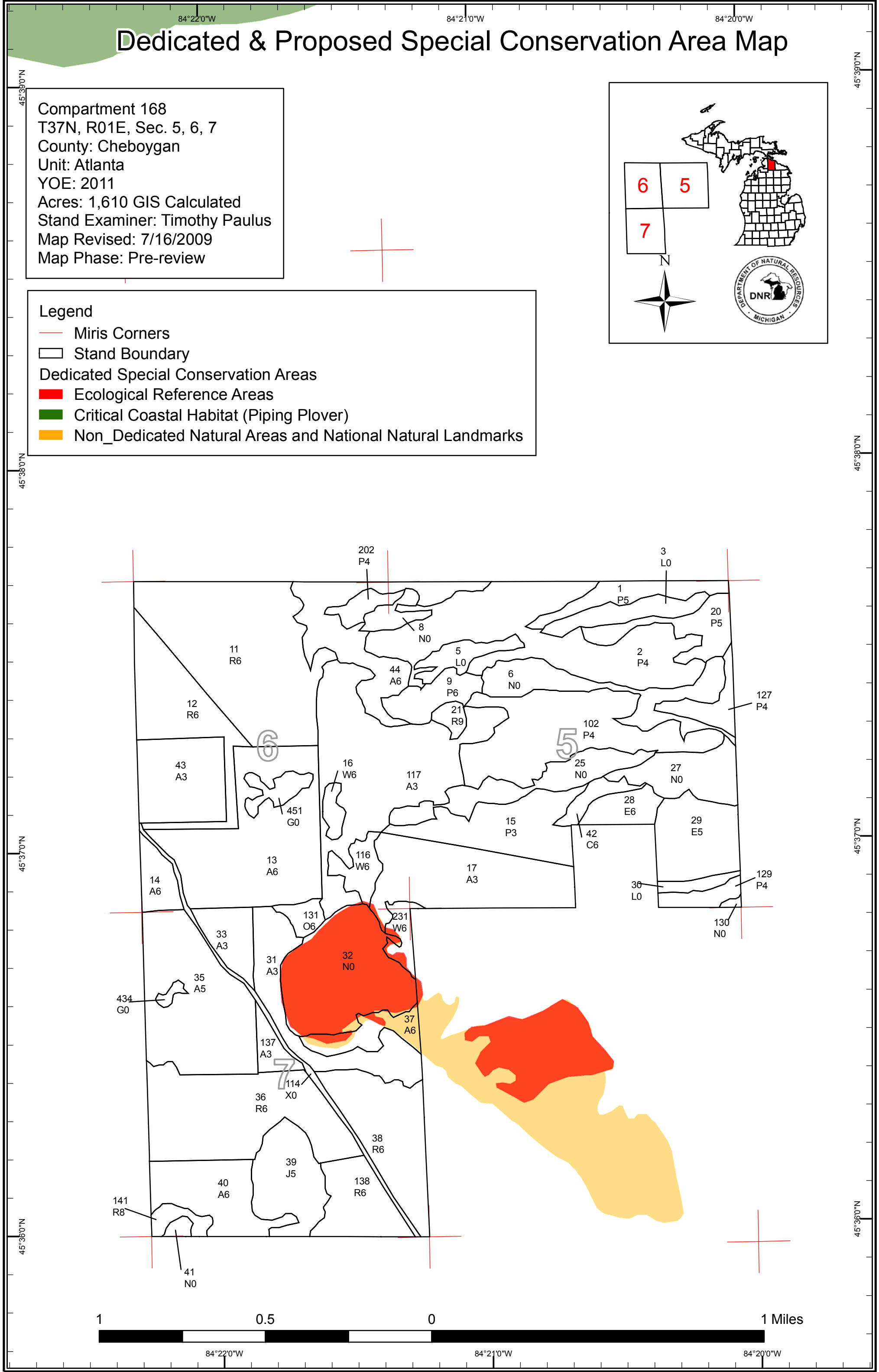
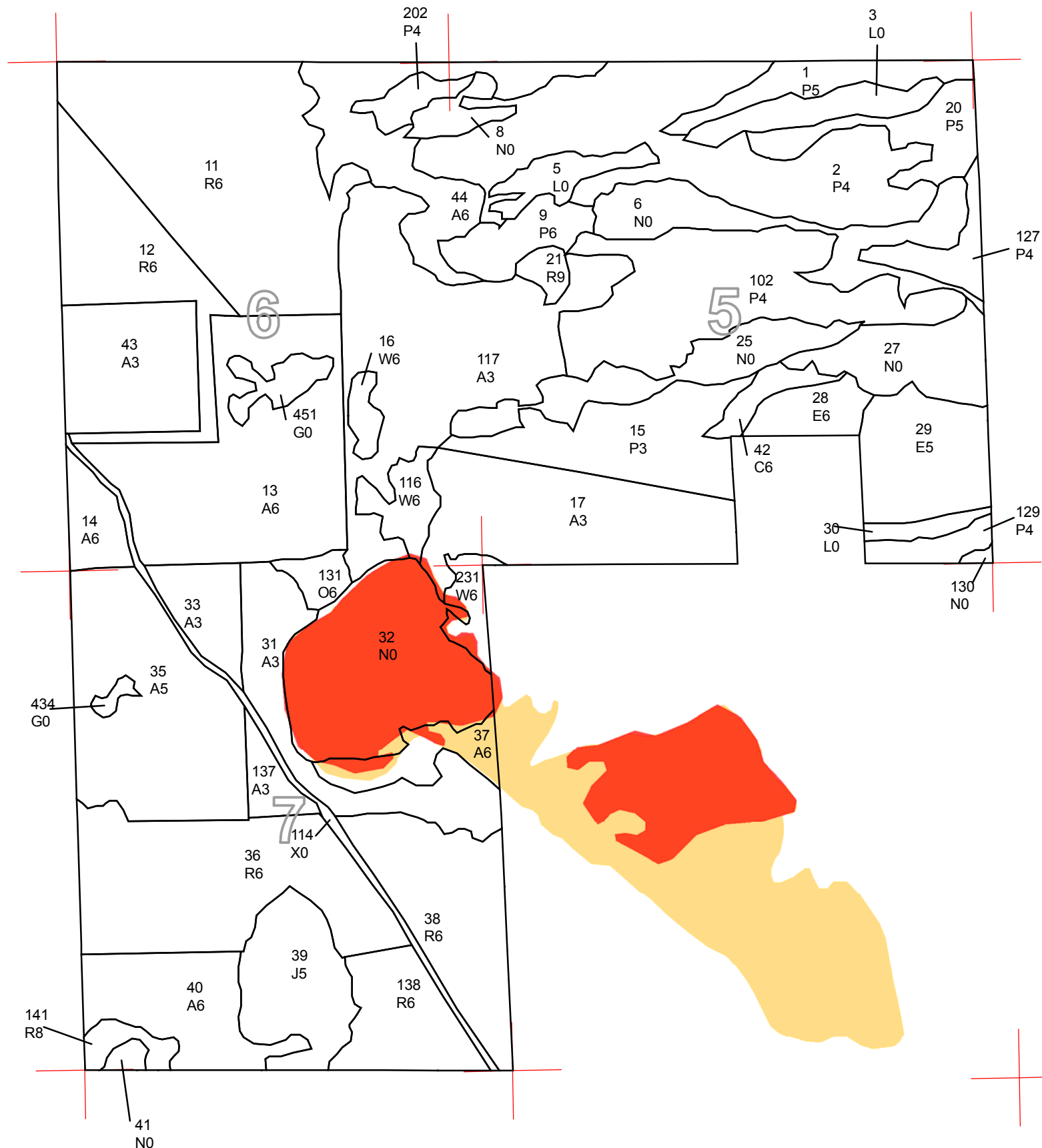


Dedicated & Proposed Special Conservation Area Map

Compartment 168
 T37N, R01E, Sec. 5, 6, 7
 County: Cheboygan
 Unit: Atlanta
 YOE: 2011
 Acres: 1,610 GIS Calculated
 Stand Examiner: Timothy Paulus
 Map Revised: 7/16/2009
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - Stand Boundary
 - Dedicated Special Conservation Areas**
 - Ecological Reference Areas
 - Critical Coastal Habitat (Piping Plover)
 - Non_Dedicated Natural Areas and National Natural Landmarks





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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.