



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 145 ENTRY YEAR: 2011

Compartment Acreage: 1241 County: Presque Isle

Revision Date: July 10, 2009

Stand Examiner: Tim Paulus

Legal Description: T35N, R2E, Sec.4,5,9,16, and 18 .

RMU (if applicable):

Management Goals: Timber and wildlife production.

Soil and Topography: Soils vary from organic mucks to sands. There are several areas within the compartment with emergent lime stone ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mixed state and private ownership around the compartment.

Unique, Natural Features (include only non-site specific and non-sensitive information): None

Archeological, Historical, and Cultural Features.

None known.

Special Management Designations or Considerations: The Onaway Field Office is located in stand 438 in section 18.

Watershed and Fisheries Considerations:

Fisheries Concerns is General: The Rainey River and Cold Creek pass through the compartment.

Wildlife Habitat Objectives and Considerations: This compartment is primarily lowland and upland aspen with large areas of cedar and conifer swamp. It is used heavily by white-tailed deer in the winter and provides excellent habitat for black bear and bobcat. The abundance of deer has limited the ability of cedar to regenerate naturally. No treatments are prescribed during this entry period for the lowland forests, but limited future harvests or habitat cuts may be appropriate and should be carefully designed to optimize regeneration and to mimic naturally occurring wind throw areas. Treatments such as these will benefit species like snowshoe hare, bobcats, and chestnut-sided warblers while maintaining the native swamp community. Limited aspen harvests are scheduled this period in order to increase age class diversity. This will continue to benefit wildlife that use early-successional habitats like ruffed grouse, American woodcock, and snowshoe hare while providing habitat for species that depend on down woody debris and large diameter trees in lowland areas like pileated woodpeckers, red-shouldered hawks, wood ducks, and hooded merganser. The riparian corridors and adjacent lowlands provide unique habitat suitable for several reptile and amphibian species including wood turtle, as well as multiple wildlife species such as red-shouldered hawk, great blue heron, green heron, belted kingfisher, northern river otter, American beaver, and mink.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand & gravel and coarse-textured till. The glacial drift thickness varies between 0 and 200 feet. Beneath the glacial drift are the Devonian Traverse Group, Bell Shale and Dundee Limestone. The Traverse and Dundee are quarried for limestone and cement products. Gravel pits are located in the Compartment and potential is good on the upland areas. This area is located north of the Niagaran reef trend and the Antrim Shale play. None of the State lands are leased for oil and gas development and potential is limited.

Vehicle Access: The wet nature of most of the compartment limits vehicle access.

Survey Needs: None

Recreational Facilities and Opportunities:The Bummars Roost O.R.V. trail passes through the north-east corner of section 4.

Fire Protection: Onaway DNR and Onaway VFD provide fire protection for this compartment.

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

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: 145

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	364																						2			18	384
C Cedar				202																							202
G Grass					22																						22
J Jack Pine							5																				5
L Lowlnd Brush									66																		66
P Lowlnd Poplr										203																	203
Q Mx Swmp Cnfr												135															135
X Non Stocked													1														1
O Oak														17													17
R Red Pine															159												159
E Swamp Hrdwds																				47							47
Total	364			202	22		5		66	203		135	1	17	159					47				2		18	1241

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: **145**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6341 Cds	Hardwood	882 Cds
Hardwood	406 Mbf	Softwood	482 Cds
Softwood	4848 Cds	Softwood	93 Mbf
Softwood	1126 Mbf	Sum CutVol	1550 Cds
Sum TotVol	14253 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1241		100	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 145 **Entry Year: 2011**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
5	A6	29	75	53	aspen (upland)	mature	final harvest	1		
comnts Fmd : Poor access- Winter cut only. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.										
Wld : Invoke dead and down wood specs for reptiles and amphibians										
14	R6	41	56	65	red pine	immature	shelterwood-seed	1		
comnts Fmd : REMOVE JACK PINE . SOME AREAS ARE A MIX OF RED AND JACK AND SOME AREAS ARE PURE, POOR QUALITY JACK PINE. Acceptable regeneration is any combination of jack pine or red pine, resulting in a medium or well stocked stand.										
Wld : Consider burning after harvest. If burned, include stand 415										
38	A6	18	62	56	white pine	immature	final harvest	1		
comnts Fmd : HIGH QUALITY WP SAPS NO WEEVIL DAMAGE.DO NOT CUT W PINE. MIXED REGENERATION IS ACCEPTABLE.										
105	A6	12	75	53	aspen (upland)	mature	final harvest	1		
comnts Fmd : POOR ACCESS ROAD- WINTER CUT ONLY.MIXED REGENERATION IS ACCEPTABLE.										
Wld : Invoke dead and down wood specs										
401	G0	2		49	grass	nonstocked		0	opening maintenance	
comnts Fmd : ROCKY SOME SUMAC, ADJACENT TO COUNTY ROAD.										
Wld : mechanical opening maintenance										
405	G0	6		49	grass	nonstocked		0	opening maintenance	
comnts Fmd : POWERLINE R.O.W.										
Wld : mow if not maintained by utility										
415	G0	1		62	grass	nonstocked		0	opening maintenance	
comnts Fmd : HEAVY TO BLUEBERRY										
418	G0	8		65	grass	nonstocked		0	opening maintenance	
comnts Fmd : SOME ASPEN AND MAPLE ENCROACHING										
Wld : opening maintenance needed										
438	X0	1		49	other non-stocked or non-forest or non-productive	nonstocked		0	opening maintenance	
comnts Fmd : ONAWAY FIELD OFFICE										
439	G0	1		49	grass	nonstocked		0	opening maintenance	
comnts Fmd : VERY ROCKY SOIL.										
Wld : Remnant opening that should be reclaimed. Could be target for RGS skid-steer. Otherwise, recommend that opening be cleared as part of cutting specs in stand 39 or										
Total Acres.....		119								

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
36	A4	2	67	60	upland brush	sparse		0	release	

TREATMENT LIMITING FACTORS: Inferior quality

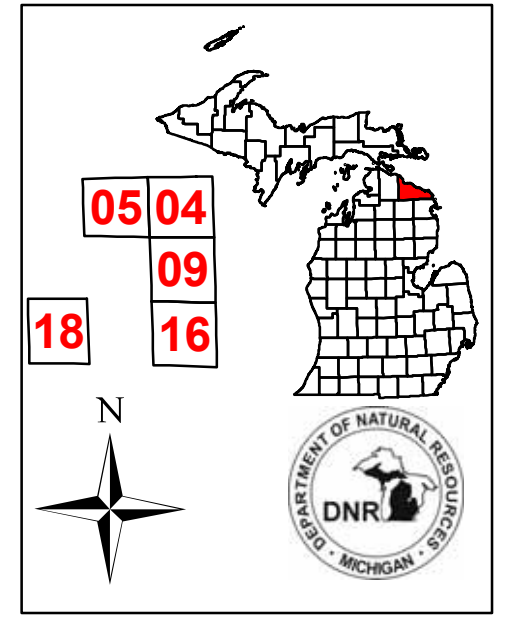
comnts Fmd : VERY ROCKY, DENSE DOGWOOD AND VIBURNUM UNDERSTORY.

Wld : Invoke dead and down wood specs for grouse; invoke shrub spec (soft mast species)

Total Acres..... 2

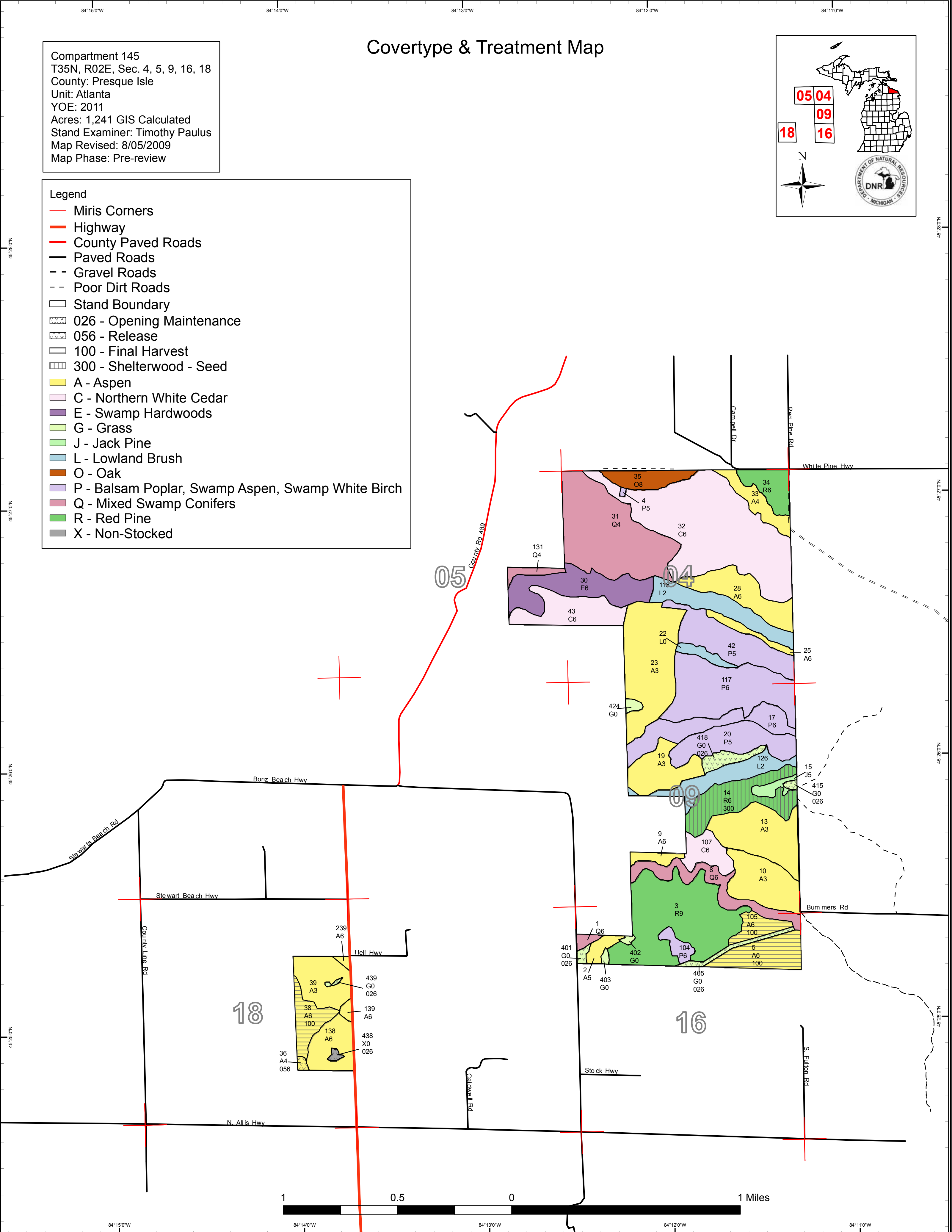
Coverture & Treatment Map

Compartment 145
 T35N, R02E, Sec. 4, 5, 9, 16, 18
 County: Presque Isle
 Unit: Atlanta
 YOY: 2011
 Acres: 1,241 GIS Calculated
 Stand Examiner: Timothy Paulus
 Map Revised: 8/05/2009
 Map Phase: Pre-review



Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- - Gravel Roads
- - Poor Dirt Roads
- Stand Boundary
- 026 - Opening Maintenance
- 056 - Release
- 100 - Final Harvest
- 300 - Shelterwood - Seed
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- O - Oak
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- X - Non-Stocked



84°15'0"W 84°14'0"W 84°13'0"W 84°12'0"W 84°11'0"W

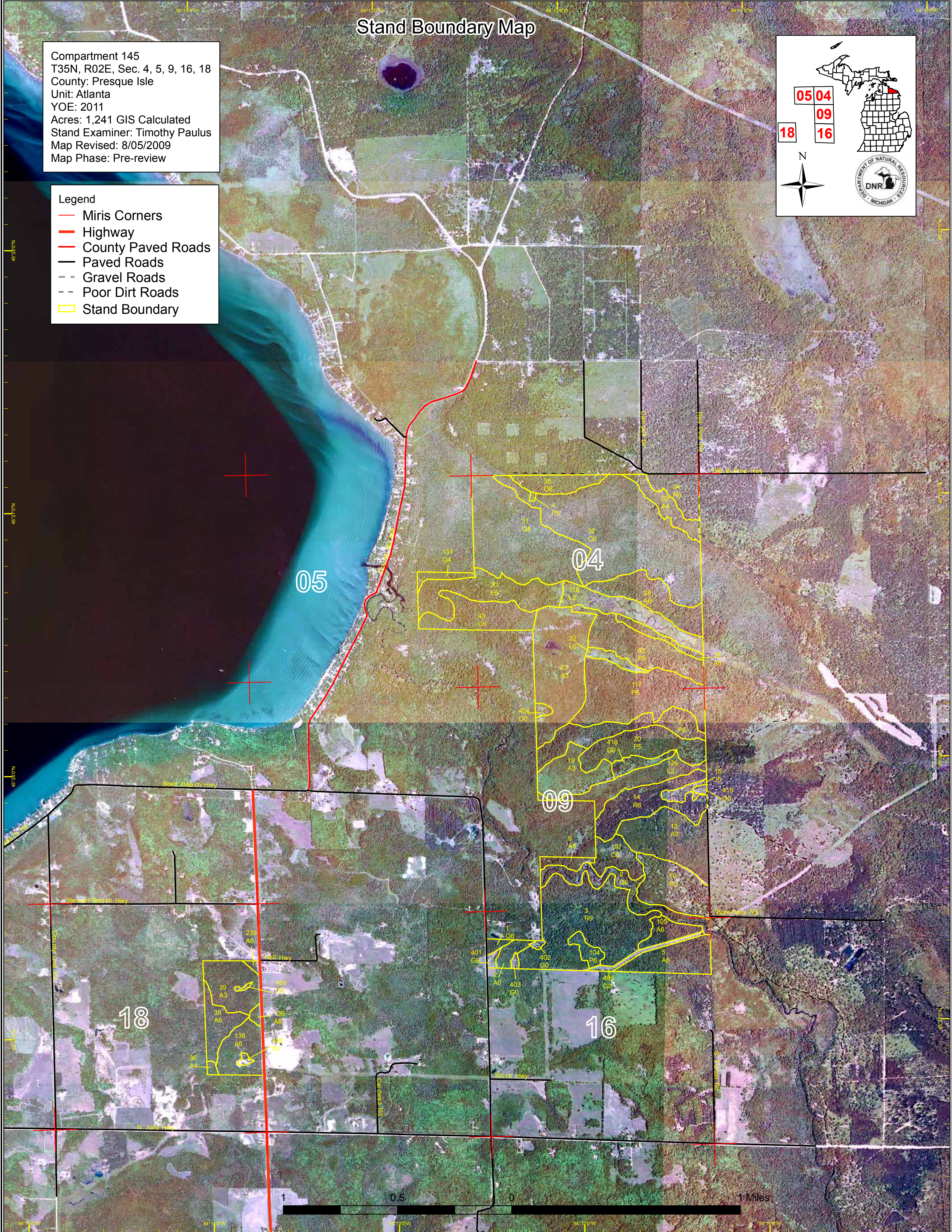
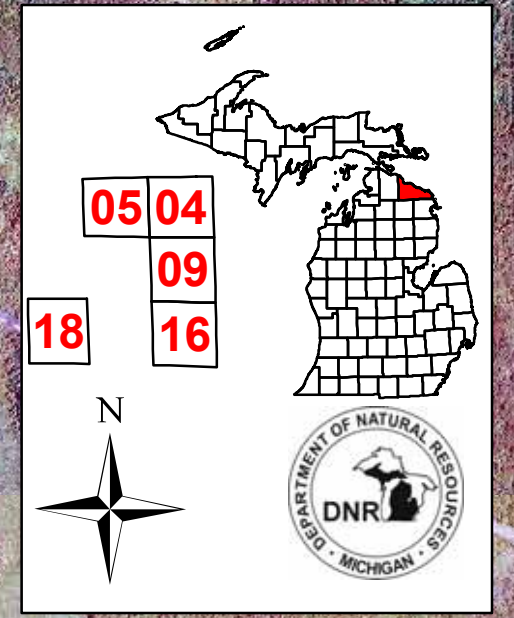
45°28'0"N 45°27'0"N 45°26'0"N 45°25'0"N

Stand Boundary Map

Compartment 145
T35N, R02E, Sec. 4, 5, 9, 16, 18
County: Presque Isle
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Map Revised: 8/05/2009
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Legend




- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- - Gravel Roads
- - Poor Dirt Roads
- Stand Boundary

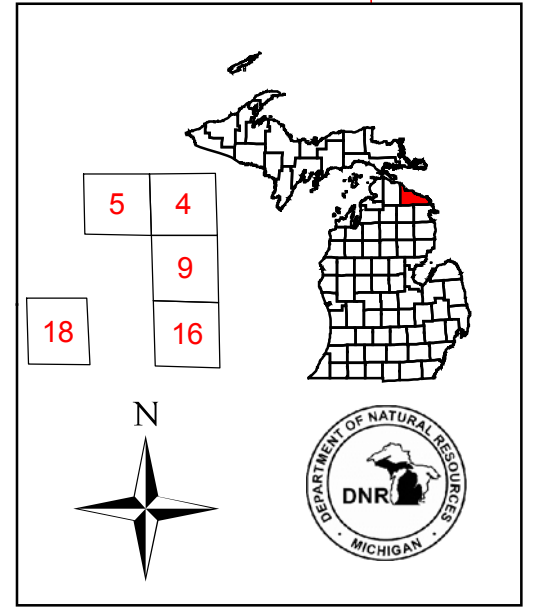


Dedicated & Proposed Special Conservation Area Map

Compartment 145
 T35N, R02E, Sec. 4, 5, 9, 16, 18
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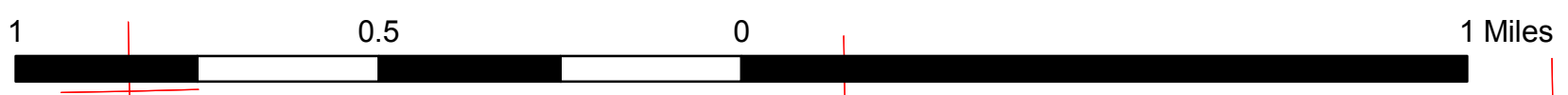
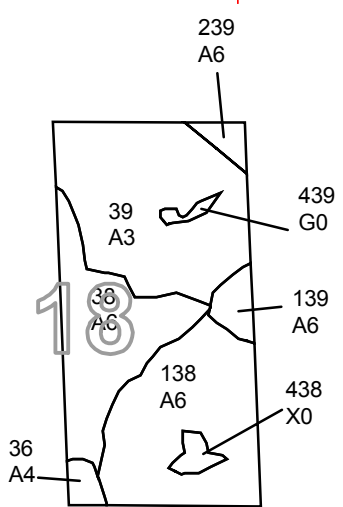
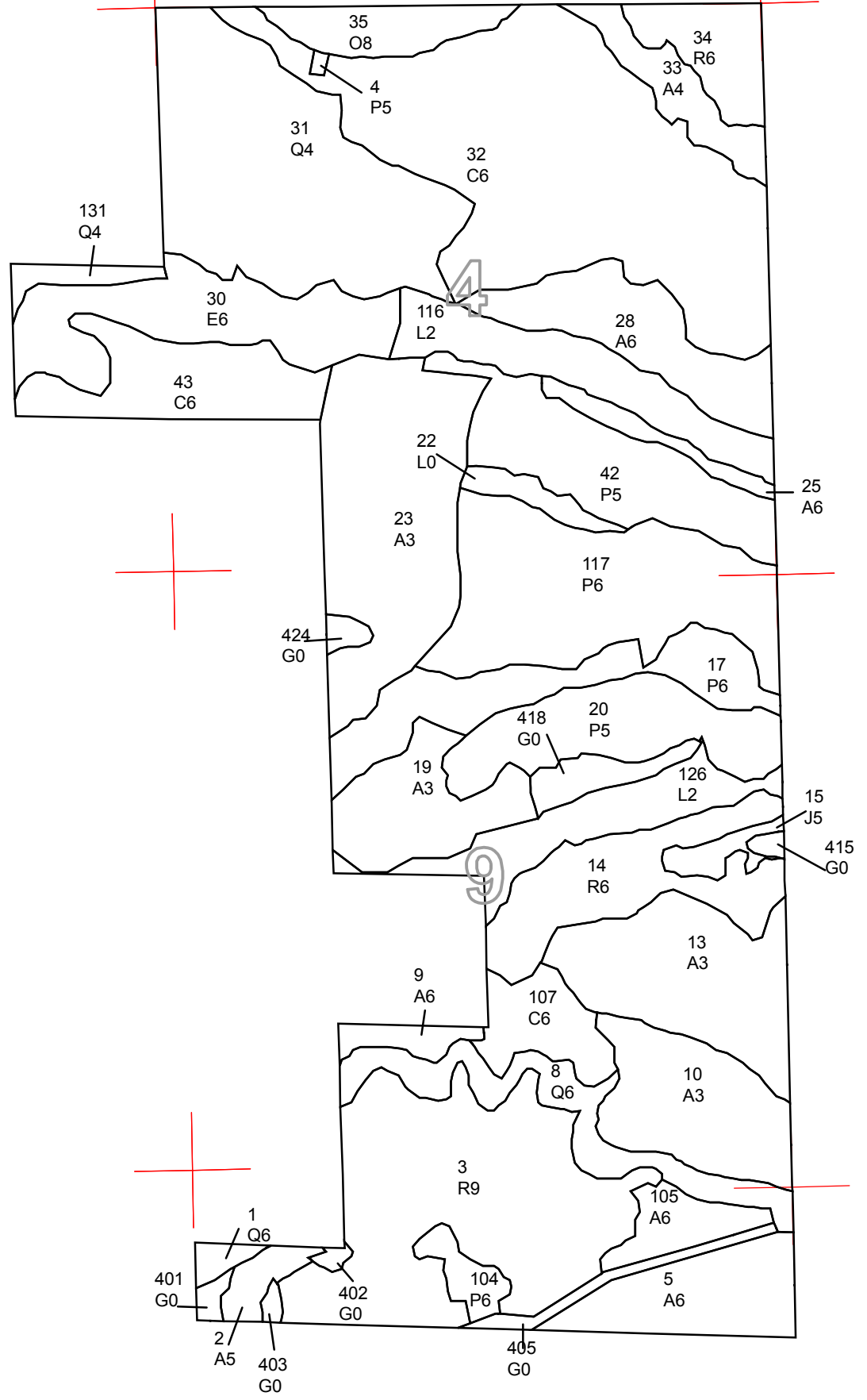
Legend

-  Miris Corners
-  Stand Boundary
-  Boat Access Sites

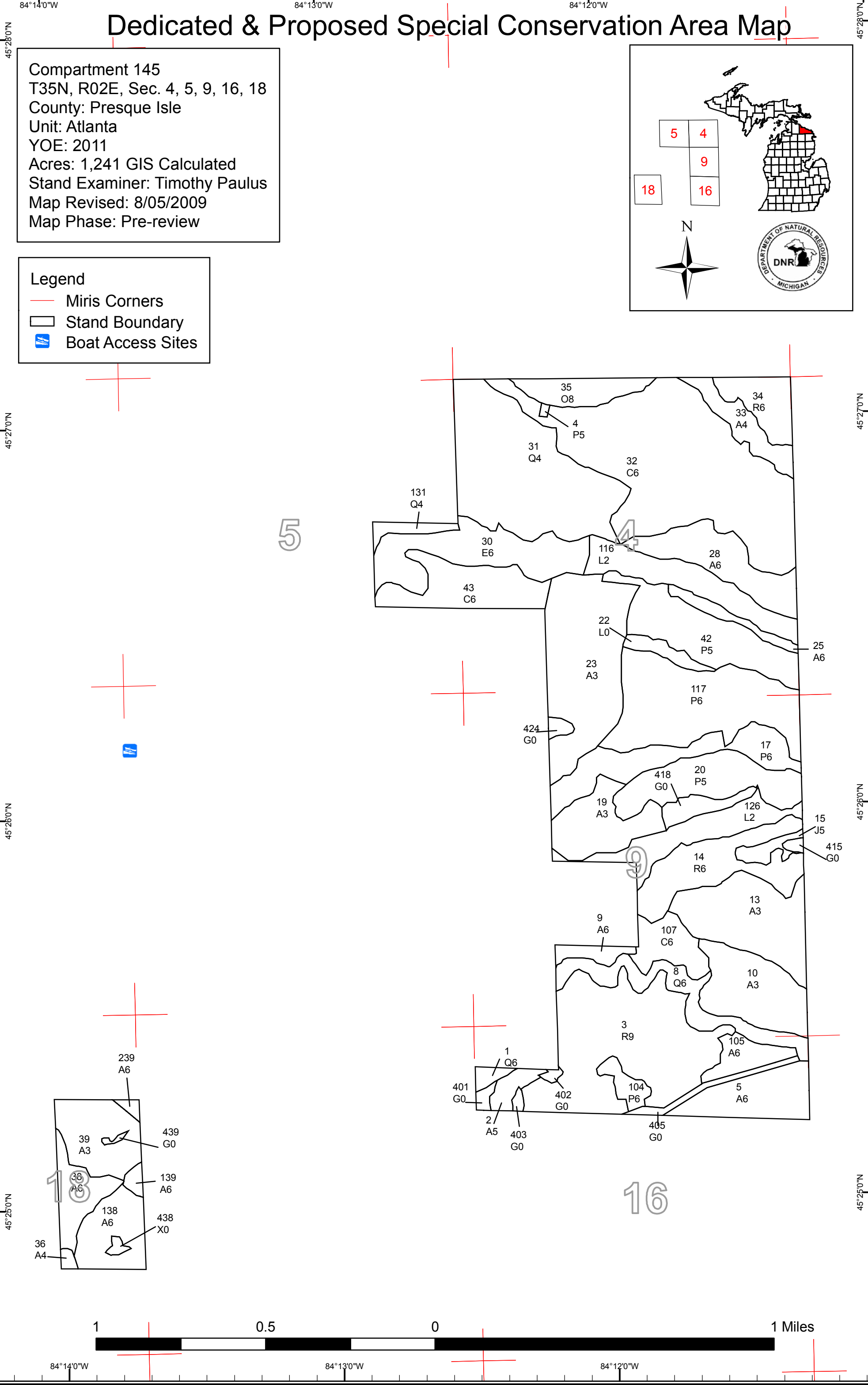


5

16



84°14'0"W 84°13'0"W 84°12'0"W





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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.