



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #83 ENTRY YEAR: 2011

Compartment Acreage: 500 (GIS) County: Alpena

Revision Date: February 6, 2009

Stand Examiner: Robert Theiner

Legal Description: T-29-N, R-8-E, Sections 3 and 4

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. Swamp aspen and Oak are the largest timber components in this compartment with several stands of swamp conifer.

Soil and Topography: Upland along Piper Road and Carriveau Road. The rest is lowland hardwoods or lowland conifer. Rifle peat, Houghton muck and Croswell sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Hunting camps adjacent to state lands. Farms to the south west. Some year round residences on Piper Road and Carriveau Road.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: Potential exists in several locations

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: This compartment lies south of Devils Lake and has the Devils River running somewhat parallel to Piper Road, other streams are present in section 4.

Wildlife Habitat Considerations and Objectives: This compartment is almost entirely lowland in a mixture of forest age classes. Bird species observed during a visit included American woodcock, Wood duck, Eastern wood peewee, red-winged blackbird, common yellowthroat, eastern kingbird, catbird, ovenbird, indigo bunting, American redstart, and American goldfinch. White-tailed deer, raccoon, and black bear are just some of the mammal species likely found in this compartment. Some stands contain invasive plant species including glossy buckthorn and Phragmites. If left unchecked, these plants have potential to

have significant negative impacts on wildlife habitat available. High priority should be given to removing the most threatening invasive species.

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. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products elsewhere in the County. Gravel pits are located in the area and potential is good on the uplands. This area is not leased, but the private lands to the west have been drilled and are producing from the Antrim Shale

Vehicle Access: Piper Road is the only County Road that is located in the compartment it is located in the north east corner of the compartment.+

Survey Needs: Previous records indicate a cabin trespass in section 4, a survey request was made in 1998.

Recreational Facilities and Opportunities:

Fire Protection:

- **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

ALPENA COUNTY

COMPARTMENT: 83

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					17														17
LowInd Brush	40		35																75
LowInd Poplr			57	39		42		58	37										233
Mx Swmp Cnfr										8	2								10
Oak										21									21
Paper Birch										21			6						27
Spruce Fir					15	8													23
Swamp Hrdwds								7		74									81
Upland Brush	5			5															10
Water	3																		3
Total	48		92	44	32	50		65	37	124	2		6						500

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **83**

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	17																										17
L Lowlnd Brush									40	35																	75
P Lowlnd Poplr										233																	233
Q Mx Swmp Cnfr												10															10
O Oak														21													21
B Paper Birch															21				6								27
F Spruce Fir																			23								23
E Swamp Hrdwds																				81							81
U Upland Brush																							10				10
Z Water																									3		3
Total	17								40	268		10		21	21				29	81			10		3		500

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **83**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2202 Cds	Hardwood	732 Cds
Hardwood	78 Mbf	Hardwood	17 Mbf
Softwood	312 Cds	Softwood	74 Cds
Softwood	17 Mbf	Sum CutVol	840 Cds
Sum TotVol	2704 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	66
500			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 83

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
5	L3	40		15	lowland brush	nonstocked		0	cleaning & weeding		
comnts Fmd : TAG ALDER & BLACK WILLOW											
Wld : Glossy buckthorn and Phragmites present and taking over stand. Threatens wildlife habitat, Cut buckthorn (either by hand or using mechanical means) and treat with herbicide; treat phragmites. Follow-up monitoring needed post treatments. May require multiple entries to successfully remove.											
11	P5	21	41	60	balsam poplar & swamp aspen and swamp white birch	immature	final harvest	3			
comnts Fmd : Cut with stand 19, some areas will be wet, avoid wet areas. Cut area may/will be smaller. Any mixture of regeneration is acceptable.											
Wld : winter cut; invoke wet area protection specs; dead and down wood specs for reptiles and amphibians											
18	B5	6	109	48	spruce-fir (uplands-including upland black spruce)	immature	final harvest	3			
comnts Fmd : Dry upland scattered birch is dying out. some oak and red maple. Some white pine in overstory. Area south of trail may be in trespass. Any mixture of regeneration is acceptable.											
117	U1	4		60	upland brush	nonstocked		0	pruning		
comnts Fmd : Nice upland opening. Only access for equipment is through private. Large oak and several old apples in opening. shooting alley for blind on private land to west. Probably an old farm place.											
Wld : prune and fertilize apple trees											
Total Acres.....		71									

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
19	E5	18	80	55	swamp hardwoods	mature	final harvest	3		

TREATMENT LIMITING FACTORS: Land survey needed
Too wet

comnts Fmd : formerly part of 20--moist area south of wet drainage--illegal blind--should be cut to preserve aspen. would be a good browse area and would allow the closure of the trail into the stand. A bridge may be needed. Any mixture of regeneration is acceptable.

Wld : winter cut only; invoke dead and down wood specs for reptiles and amphibians

20	B6	21	80	55	paper birch	sparse	final harvest	3		
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TREATMENT LIMITING FACTORS: Land survey needed

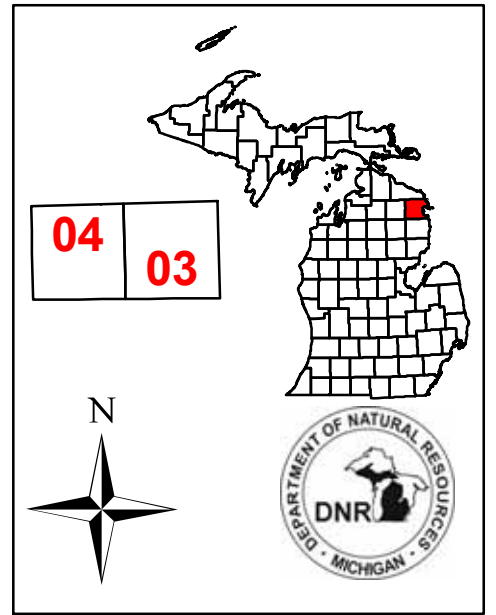
comnts Fmd : NARROW STRIP OF CEDAR ALONG N EDGE--trail into illegal deer blind--referred to CO's. A bridge will be needed for operations. Any mixture of regeneration is acceptable.

Wld : invoke wet area protection specs

Total Acres..... 39

Covertypes & Treatment Map

Compartment 83
 T29N, R08E, Sec. 3, 4
 County: Alpena
 Unit: Atlanta
 YOY: 2011
 Acres: 500 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 8/05/2009
 Map Phase: Pre-review



Legend

- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Powerlines
- Railroad
- Water Features
- Stand Boundary
- 068 - Cleaning - Weeding/Other
- 081 - Other/Hand Tools
- 100 - Final Harvest
- A - Aspen
- B - Paper Birch
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- L - Lowland Brush
- O - Oak
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- U - Upland Brush
- Z - Water

44°58'0"N

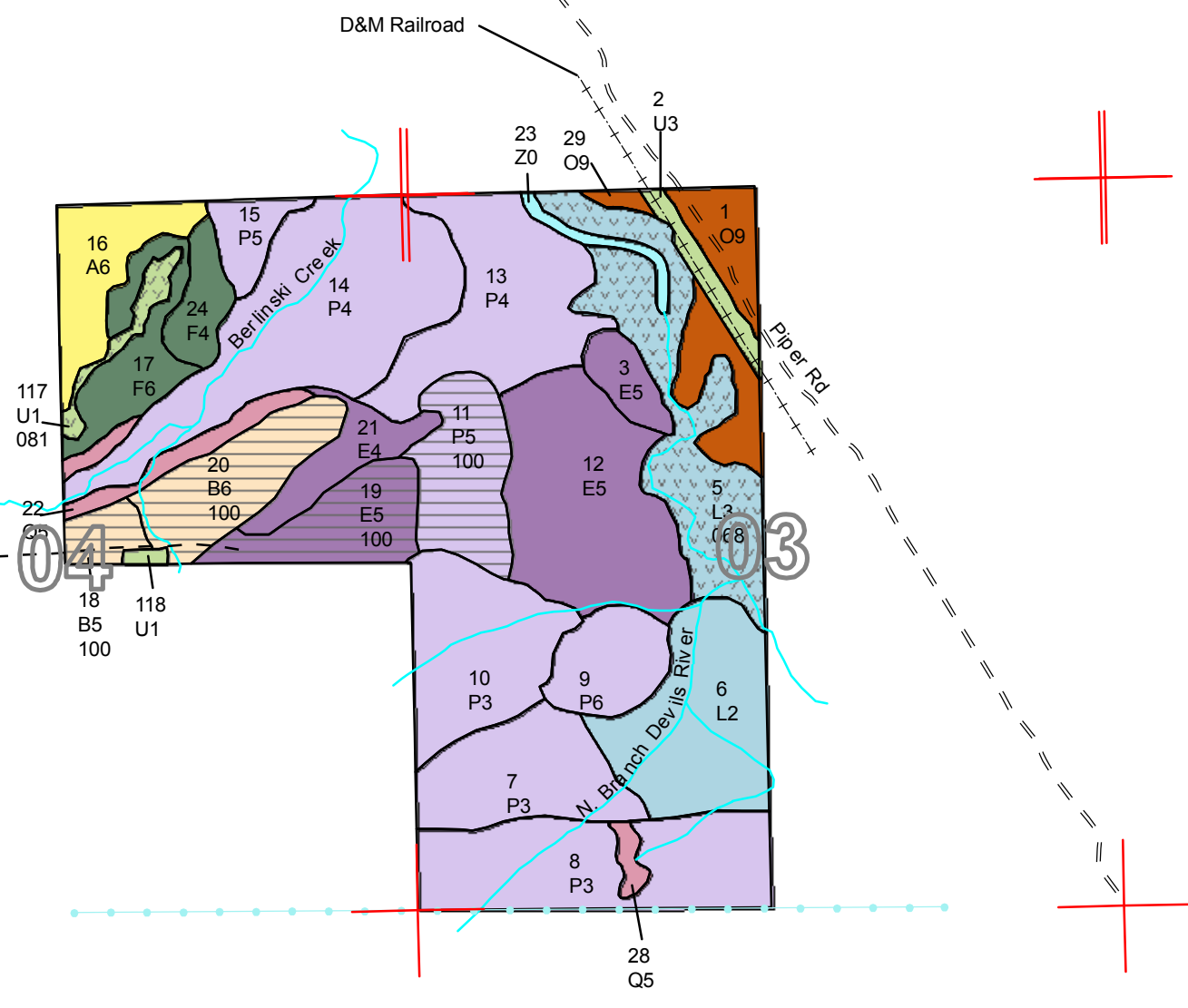
44°58'0"N

44°57'0"N

44°57'0"N

44°56'0"N

44°56'0"N



1 0.5 0 1 Miles

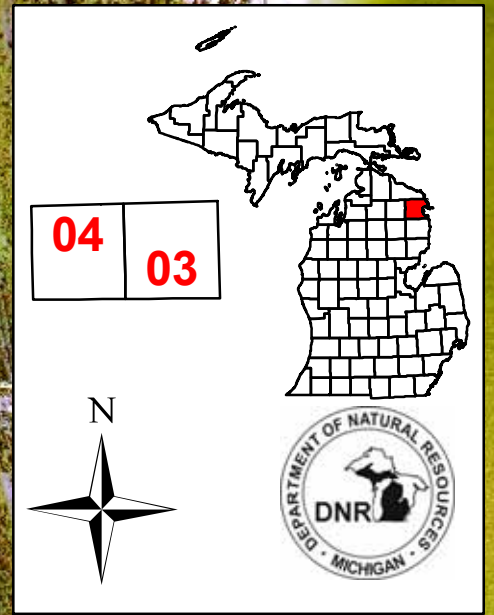
83°29'0"W

83°28'0"W

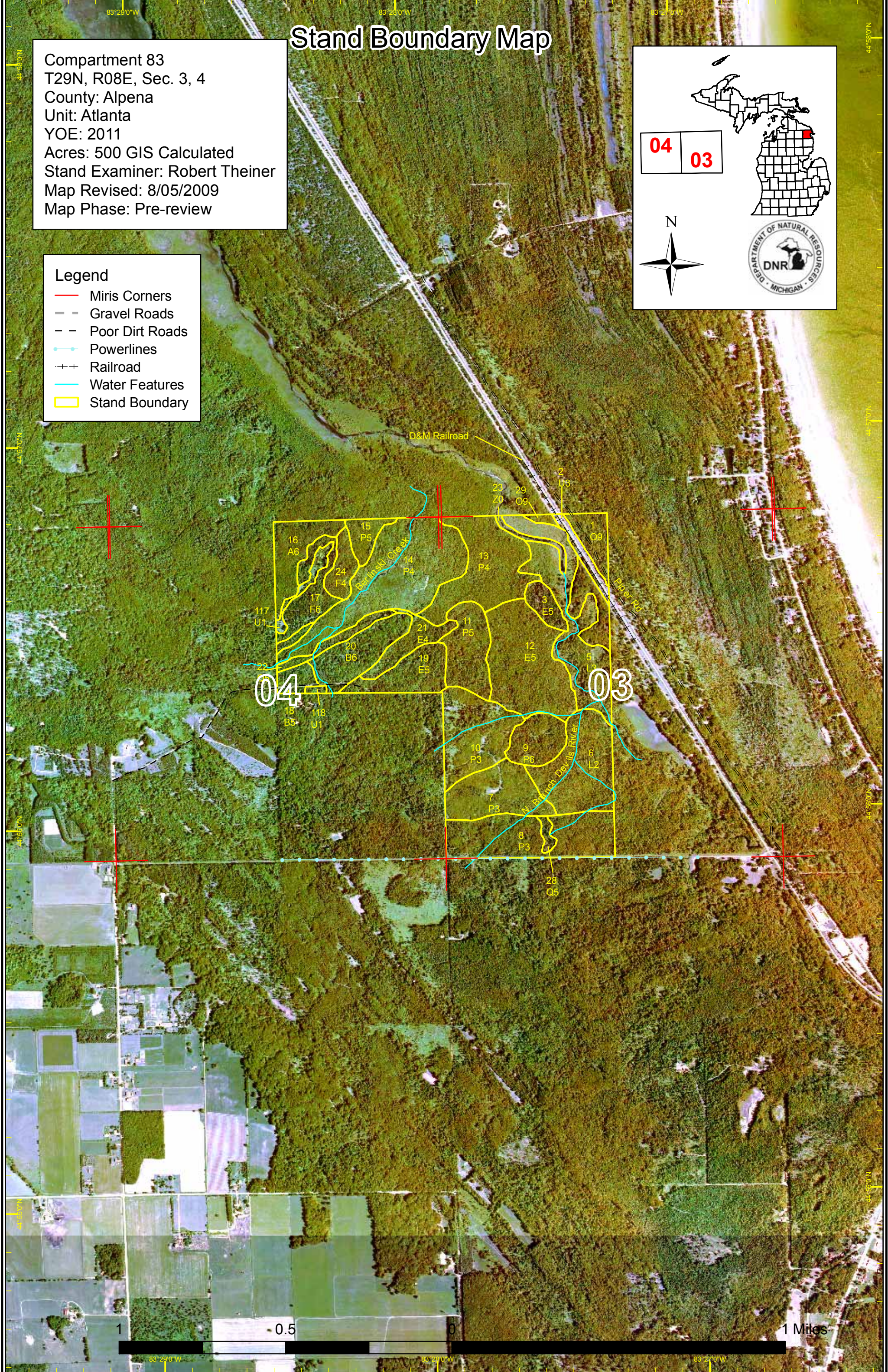
83°27'0"W

Stand Boundary Map

Compartment 83
T29N, R08E, Sec. 3, 4
County: Alpena
Unit: Atlanta
YOE: 2011
Acres: 500 GIS Calculated
Stand Examiner: Robert Theiner
Map Revised: 8/05/2009
Map Phase: Pre-review



- Legend**
- Miris Corners
 - = = Gravel Roads
 - - Poor Dirt Roads
 - Powerlines
 - ++ Railroad
 - Water Features
 - Stand Boundary



O&M Railroad

Bellevue Creek

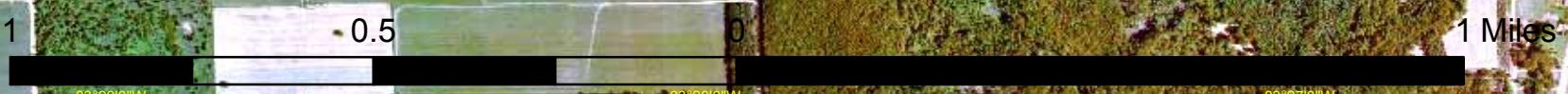
W Branch Devils River

Pipey Rd

04

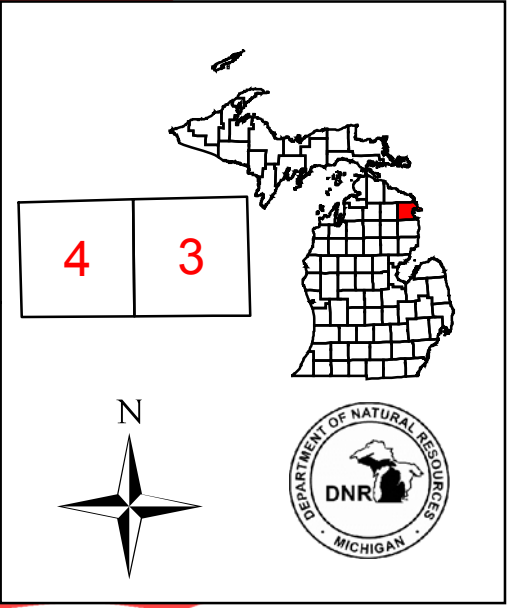
03

16 A6, 15 P5, 14 P4, 13 P4, 11 P5, 12 E5, 10 P3, 9 P6, 8 P3, 28 Q5, 23 Z0, 29 O9, 22 U1, 24 F4, 17 F6, 20 B6, 19 E5, 5 L5, 3 E5, 1 O9, 117 U1, 18 B5, 118 U1

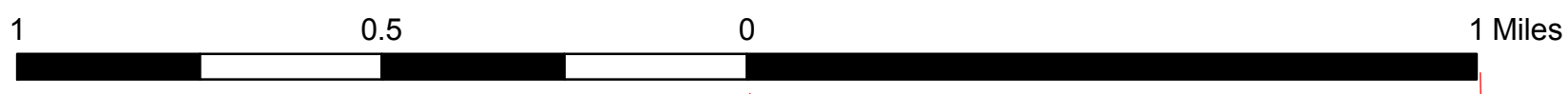
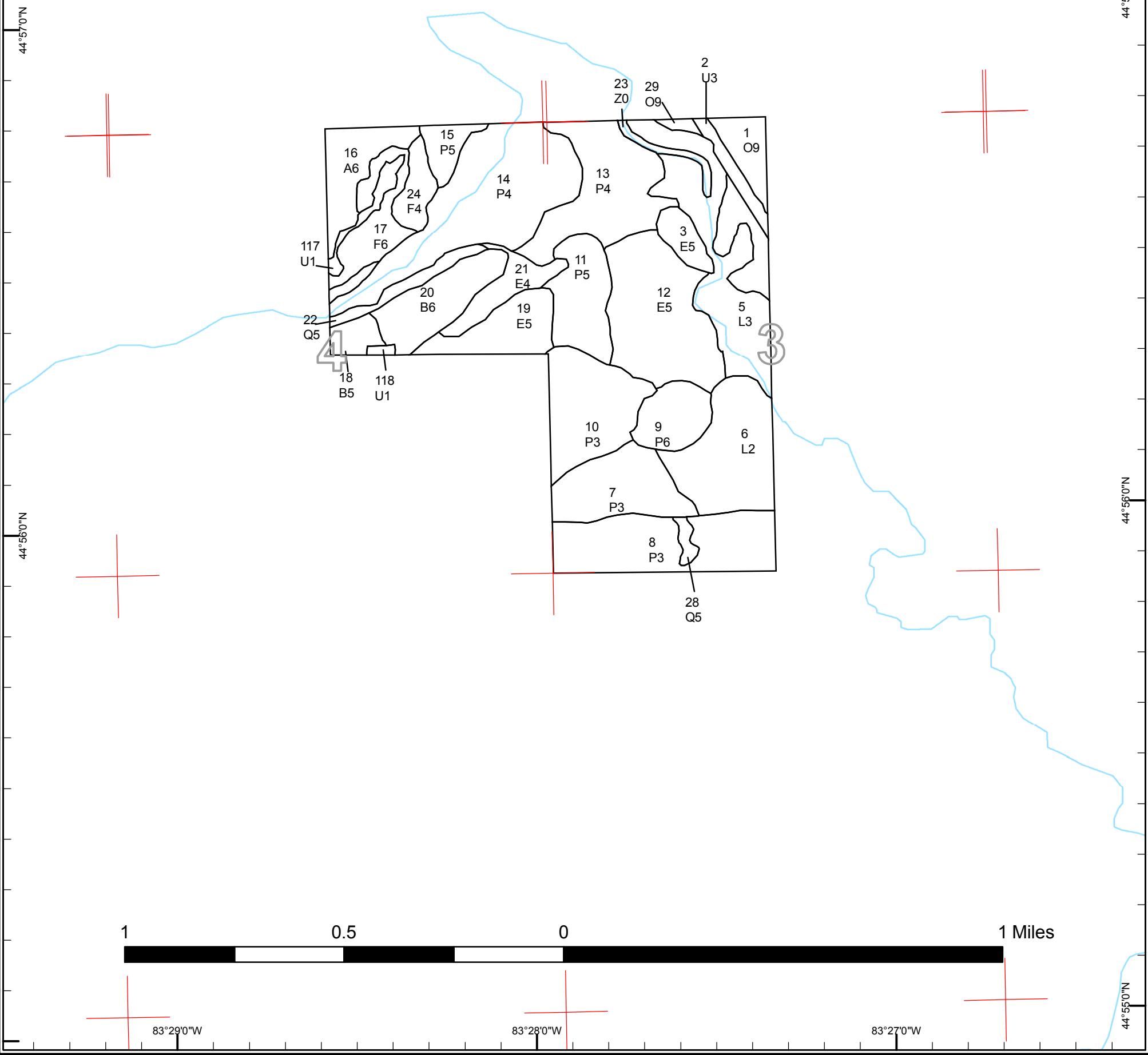


Dedicated & Proposed Special Conservation Area Map

Compartment 83
 T29N, R08E, Sec. 3, 4
 County: Alpena
 Unit: Atlanta
 YOE: 2011
 Acres: 500 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 8/05/2009
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - Stand Boundary
 - Dedicated Special Conservation Areas**
 - Cold Water Streams
 - Ecological Reference Areas



83°29'0"W 83°28'0"W 83°27'0"W

44°58'0"N

44°58'0"N

44°57'0"N

44°57'0"N

44°56'0"N

44°56'0"N

44°55'0"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	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.
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.