



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 88 ENTRY YEAR: 2010

Compartment Acreage: 1,729 County: Alpena

Revision Date: October 16, 2008

Stand Examiner: Cody Stevens

Legal Description: T30N R07E Secs 2, 3, 11, 14, 15 & 23

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: This compartment is predominately level ground. The east portion of the compartment is dominated by pine. The western portion of compartment is either flood plain or low ground aspen.

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

The compartment has some recreational use by ORVs & snowmobiles mainly for fishing and hunting.

Unique, Natural Features:

Some species are present in and around the compartment.

Archeological, Historical, and Cultural Features.

There is potential in and around the compartment.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

Fisheries Concerns is General:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of Lacustrine (lake) sand and grave. The glacial drift thickness varies between 0 and 50 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products. Gravel pits are located in Section 23 and potential is considered good in upland areas. This area is leased but has not had development for the Antrim Shale, because the Antrim subcrops in this area and production is questionable.

Vehicle Access:

This compartment is accessed off from Indian Reserve Road and Smith Road. There is a snowmobile trail on the east side of the river.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

There are many opportunities for hunting, fishing and wildlife viewing in the area.

Fire Protection:

Fire response to the compartment will be covered by the Alpena DNR office as well as the Wilson 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**

8/22/2008 1:57:17 PM

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: 88

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	22																										22
C Cedar				17																							17
G Grass					16																						16
L Lowlnd Brush									177																		177
P Lowlnd Poplr										646																	646
N Marsh											53																53
Q Mx Swmp Cnfr												10															10
X Non Stocked													8														8
O Oak														114													114
R Red Pine															337												337
E Swamp Hrdwds																			284								284
U Upland Brush																								1			1
Z Water																									34		34
W White Pine																										10	10
Total	22			17	16				177	646	53	10	8	114	337				284				1		34	10	1729

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **88**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8774 Cds	Hardwood	368 Cds
Hardwood	1275 Mbf	Hardwood	143 Mbf
Softwood	4095 Cds	Softwood	1378 Cds
Softwood	3261 Mbf	Softwood	1066 Mbf
Sum TotVol	21941 Cds	Sum CutVol	4164 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1729		253	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 88

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
2	R9	68	86	60	red pine	mature	final harvest	1	planting		
comnts Fmd : Clear Cut: Leave 1-3 Red Pine/Oak per acre and 3% retention in pockets along road for visual management. Replant to Red Pine. Cut in buffer zone along river but leave residual per fish division recommendations.											
4	R9	14	86	60	red pine	mature	thinning	1			
comnts Fmd : Thin to roughly 100 BA. Focus on releasing potential Utility poles to increase diameter. Treat right up to camp sites. Final Harvest in 10-20 years.											
6	O8	13	90	48	oak	mature	shelterwood-seed	1			
comnts Fmd : Poor Quality stems. Shelterwood: Leave 30-40 BA of Oak & Pine. Will accept mix of pine, oak and maple for regeneration.											
13	E6	12	76	52	swamp hardwoods	mature	final harvest	2			
comnts Fmd : Clearcut: leave oak, White & Red Pine and Cedar. Will accept any mix of species for regeneration. No retention is needed because we are leaving stand 14 which is same species composition only to wet to harvest.											
20	R9	48	86	60	red pine	mature	thinning	1			
comnts Fmd : Thin to roughly 100 BA. Focus on releasing potential Utility poles to increase diameter. Final Harvest in 10-20 years.											
22	O8	19	90	48	oak	mature	shelterwood-seed	1			
comnts Fmd : Poor Quality stems. Shelterwood: Leave 30-40 BA of Oak & Pine. Will accept mix of pine, oak and maple for regeneration.											
23	R6	21	88	55	red pine	mature	thinning	6			
comnts Fmd : OLD COMMENTS: MARK 70% CROWN COVER. Sale is currently under contract "Stop 105". Used Old OI data to match sale data.											
24	R9	34	88	58	red pine	mature	thinning	1			
comnts Fmd : Thin stand to allow diameter growth on residual stems. Focus marking on suppressed stems and mature logs. If stems grow well, do shelterwood next entry.											
28	R9	11	91	64	red pine	mature	final harvest	1	planting		
comnts Fmd : Clear Cut: Leave 3% retention along road for retention. Replant to Red Pine. Stand has a fair amount of Red Maple regen in understory, it may need to be burned to reduce competition with planting. Evaluate with TMS after sale is cut.											
44	O6	13	88	50	oak	mature	shelterwood-seed	1			
comnts Fmd : Shelterwood cut: leave 30-40 BA of Oak and Pine(Red & White). Try to protect advanced pine regen. Will accept any mix of pine, oak and aspen for regeneration.											
Total Acres.....		253									

**Proposed Treatments
With Limiting Factors**

Compartment: 88

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

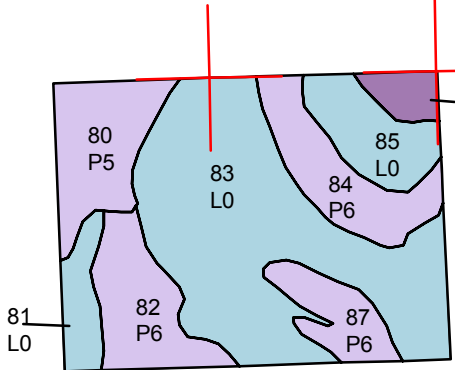
Compartment 088
 T30N, R07E, Sec. 2, 3, 11, 14, 15, 23
 County: Alpena
 Unit: Atlanta
 YOE: 2010
 Acres: 1,729 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 7/01/2008
 Map Phase: Pre-review

Cover Type and Treatment

35

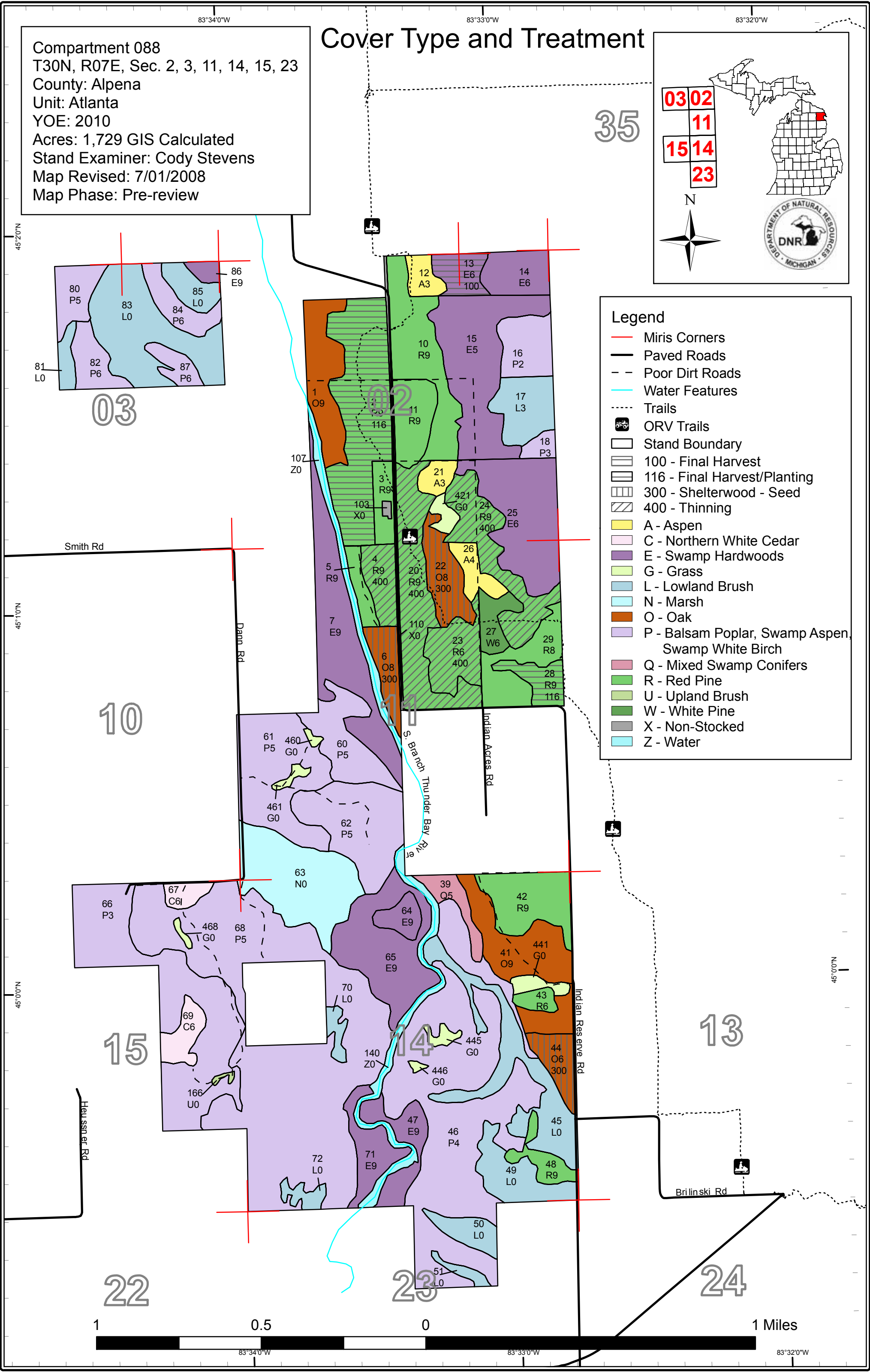
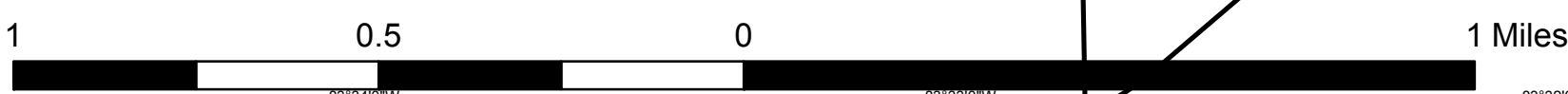
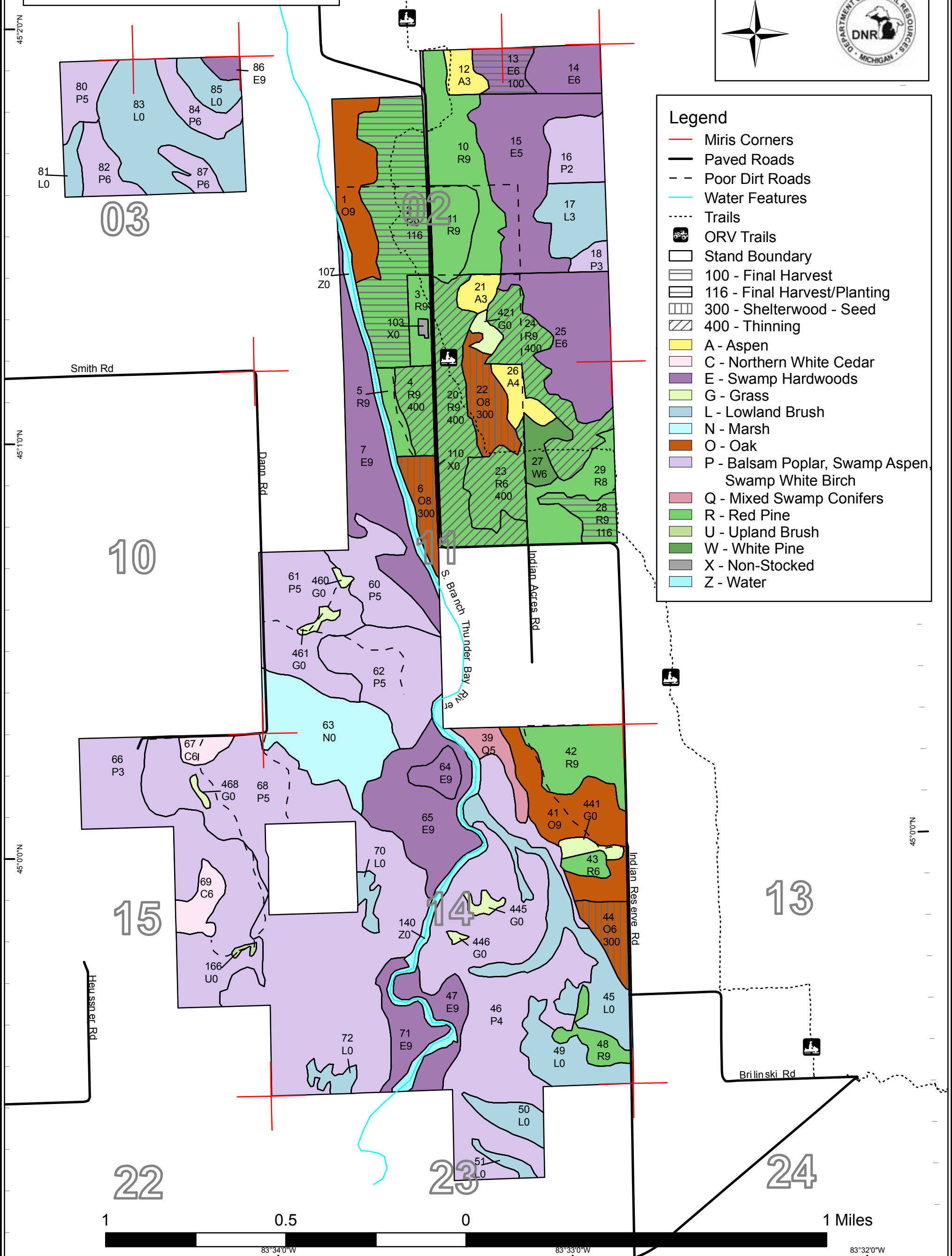
03 02
 11
 15 14
 23

N



Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Water Features
- Trails
- ORV Trails
- Stand Boundary
- 100 - Final Harvest
- 116 - Final Harvest/Planting
- 300 - Shelterwood - Seed
- 400 - Thinning
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- G - Grass
- L - Lowland Brush
- N - Marsh
- O - Oak
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- U - Upland Brush
- W - White Pine
- X - Non-Stocked
- Z - Water



Compartment 088
 T30N, R07E, Sec. 2, 3, 11, 14, 15, 23
 County: Alpena
 Unit: Atlanta
 YOE: 2010
 Acres: 1,729 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 7/01/2008
 Map Phase: Pre-review

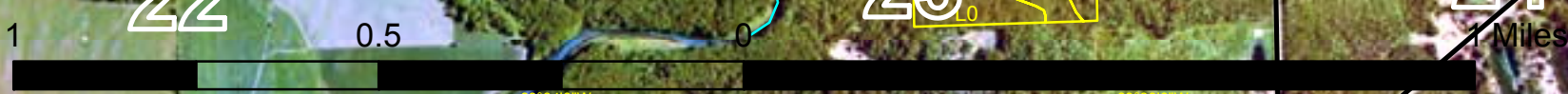
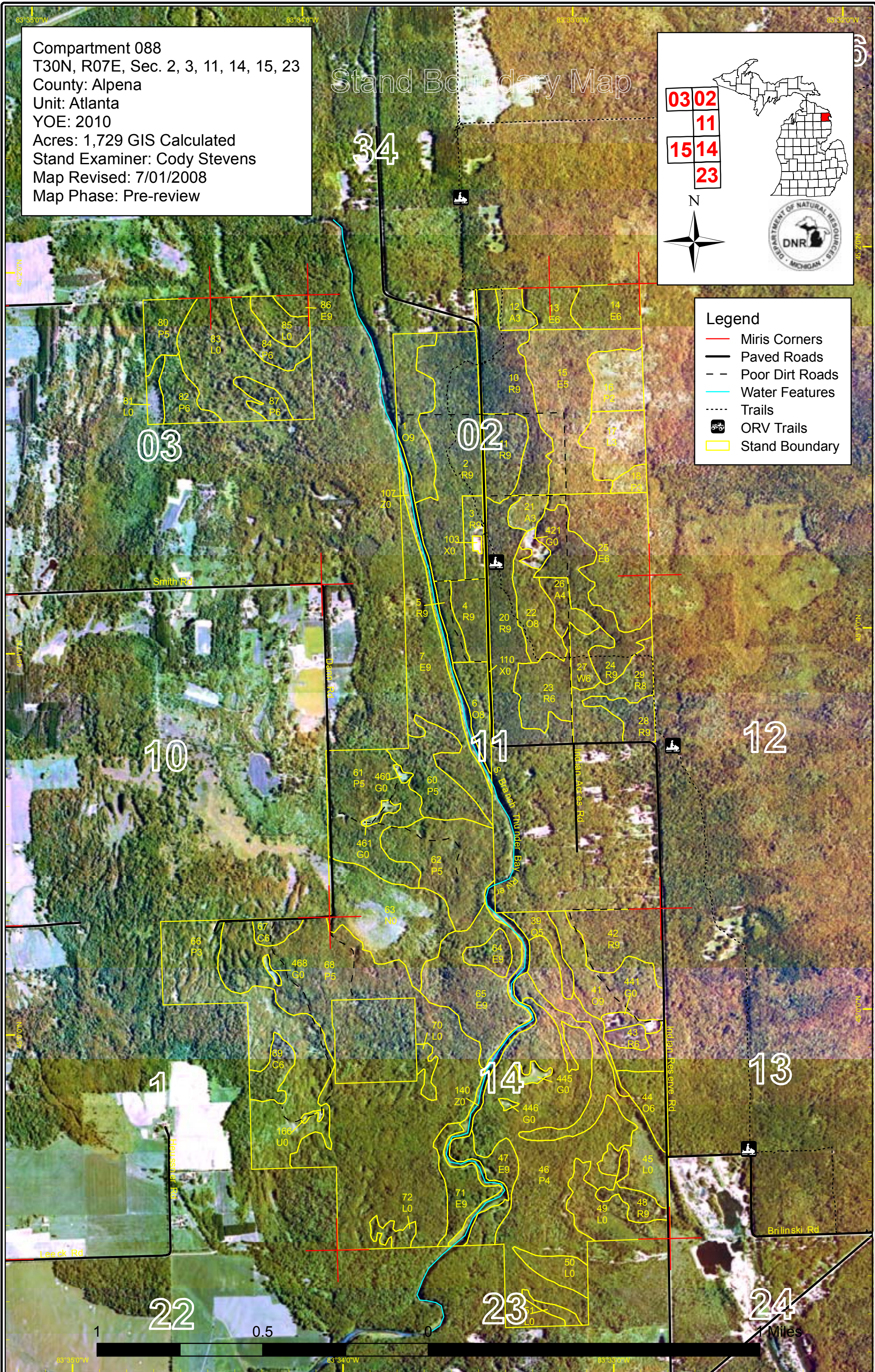
Stand Boundary Map

03 02
 11
 15 14
 23

N

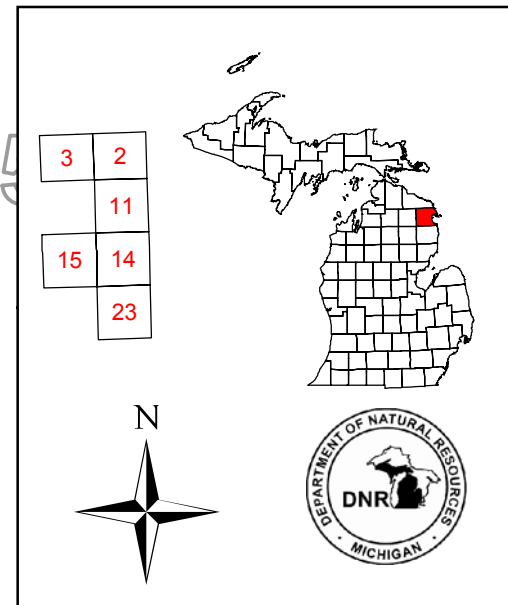
Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Water Features
- Trails
- ORV Trails
- Stand Boundary



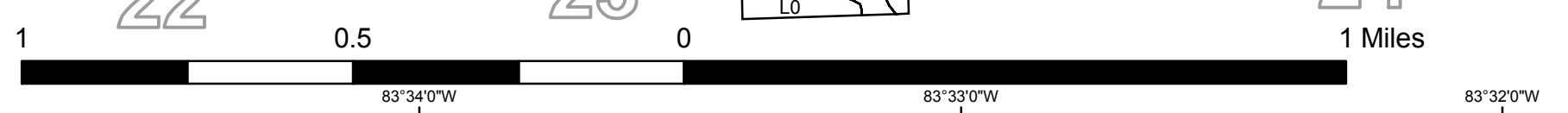
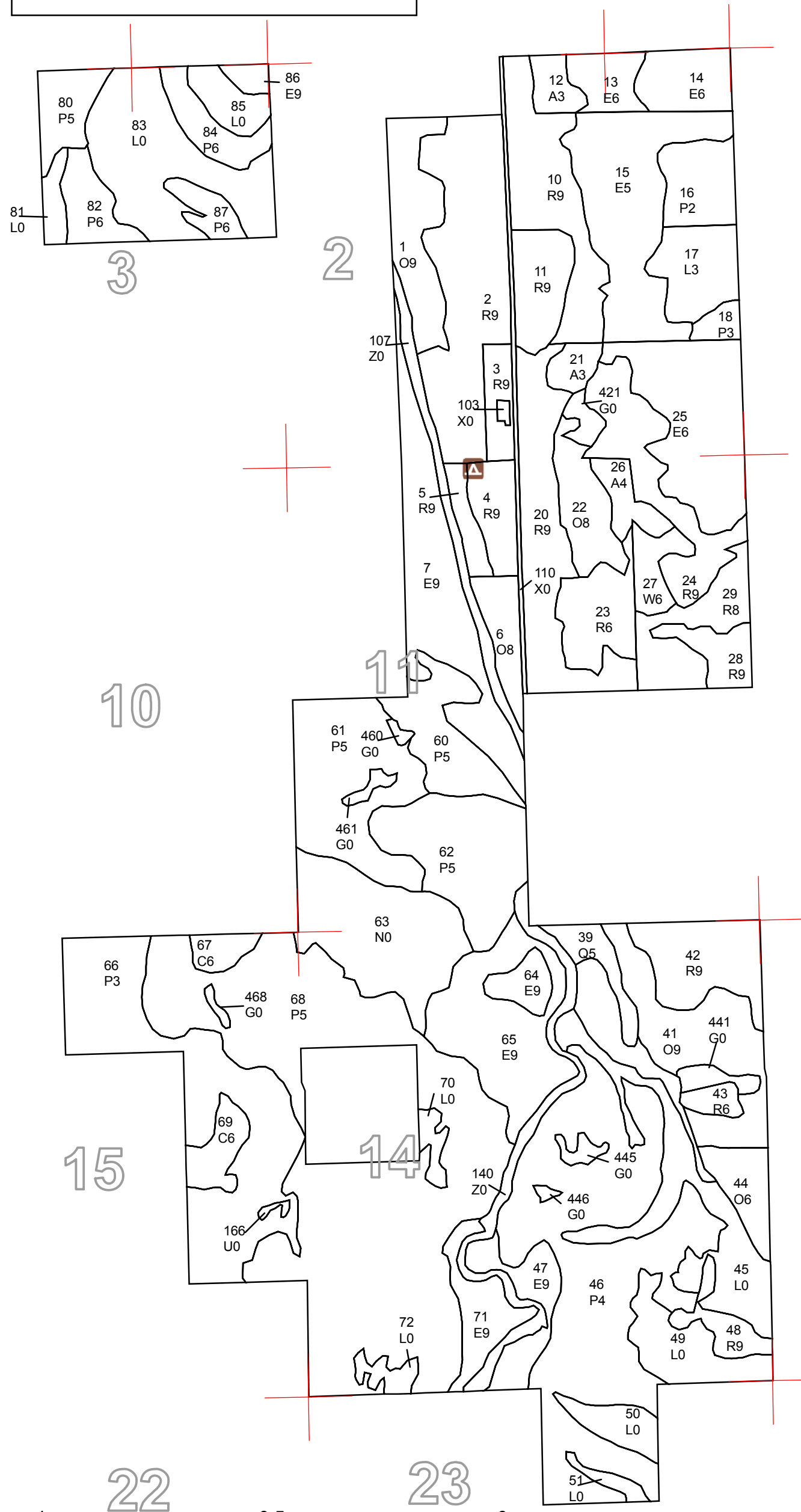
Dedicated & Proposed Special Conservation Area Map

Compartment 088
 T30N, R07E, Sec. 2, 3, 11, 14, 15, 23
 County: Alpena
 Unit: Atlanta
 YOE: 2010
 Acres: 1,729 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 7/01/2008
 Map Phase: Pre-review



Legend

- Miris Corners
- Stand Boundary
- Campgrounds





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	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy recreational use, including State Parks, State Forest campgrounds, motorized and non-motorized trails, trailheads, staging areas and public access sites.