



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 103 ENTRY YEAR: 2010

Compartment Acreage: 576 County: Alpena

Revision Date: October 16, 2008

Stand Examiner: Barber

Legal Description: T31N, R07E, Sec. 20, 21, 28, & 29.

RMU (if applicable):

Management Goals: Wetlands protection.

Soil and Topography: Primarily poorly drained organic soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Low ground is other state land. High ground (southwest) is farmland. Alpena County Regional Airport is just across the river, to the east.

Unique, Natural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: A wet compartment.

Watershed and Fisheries Considerations: The South Branch of the Thunder Bay River forms the east boundary of this compartment.

Wildlife Habitat Considerations:

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 0 and 10 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for clay/shale and limestone/cement products just to the west. Gravel pits are located in Section 21, but potential appears to be limited. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area and production is unlikely. There are many new State oil and gas leases in the general area.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: None.

Recreational Facilities and Opportunities: Hunting, canoeing.

Fire Protection: Alpena FO and local VFD's

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

ALPENA COUNTY

COMPARTMENT: 103

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
C Cedar				79																							79
L LowInd Brush									127																		127
P LowInd Poplr										31																	31
N Marsh											20																20
X Non Stocked													4														4
K Rock																25											25
E Swamp Hrdwds																			186								186
Z Water																									104		104
Total				79					127	31	20		4			25			186						104		576

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **103**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	718 Cds	Hardwood	64 Cds
Hardwood	202 Mbf	Sum CutVol	64 Cds
Softwood	763 Cds		
Sum TotVol	1885 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	4
	576		

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 103 **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
3	E6	4	93	58	swamp hardwoods	mature	final harvest	1	natural regeneration	

comnts Fmd : MANAGE WITH STD 2 COMP 101 TO NORTH. FIR BLEW OVER. Part of this can be harvested, but actual acreage may be somewhat less than 75% of OIPC acreage.

Total Acres..... 4

**Proposed Treatments
With Limiting Factors**

Compartment: 103

Entry Year: 2010

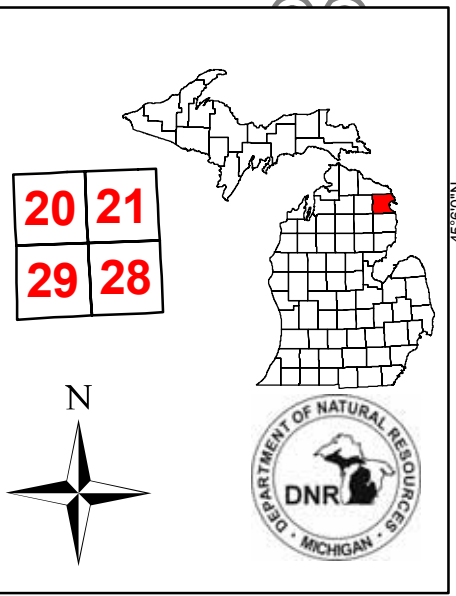
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

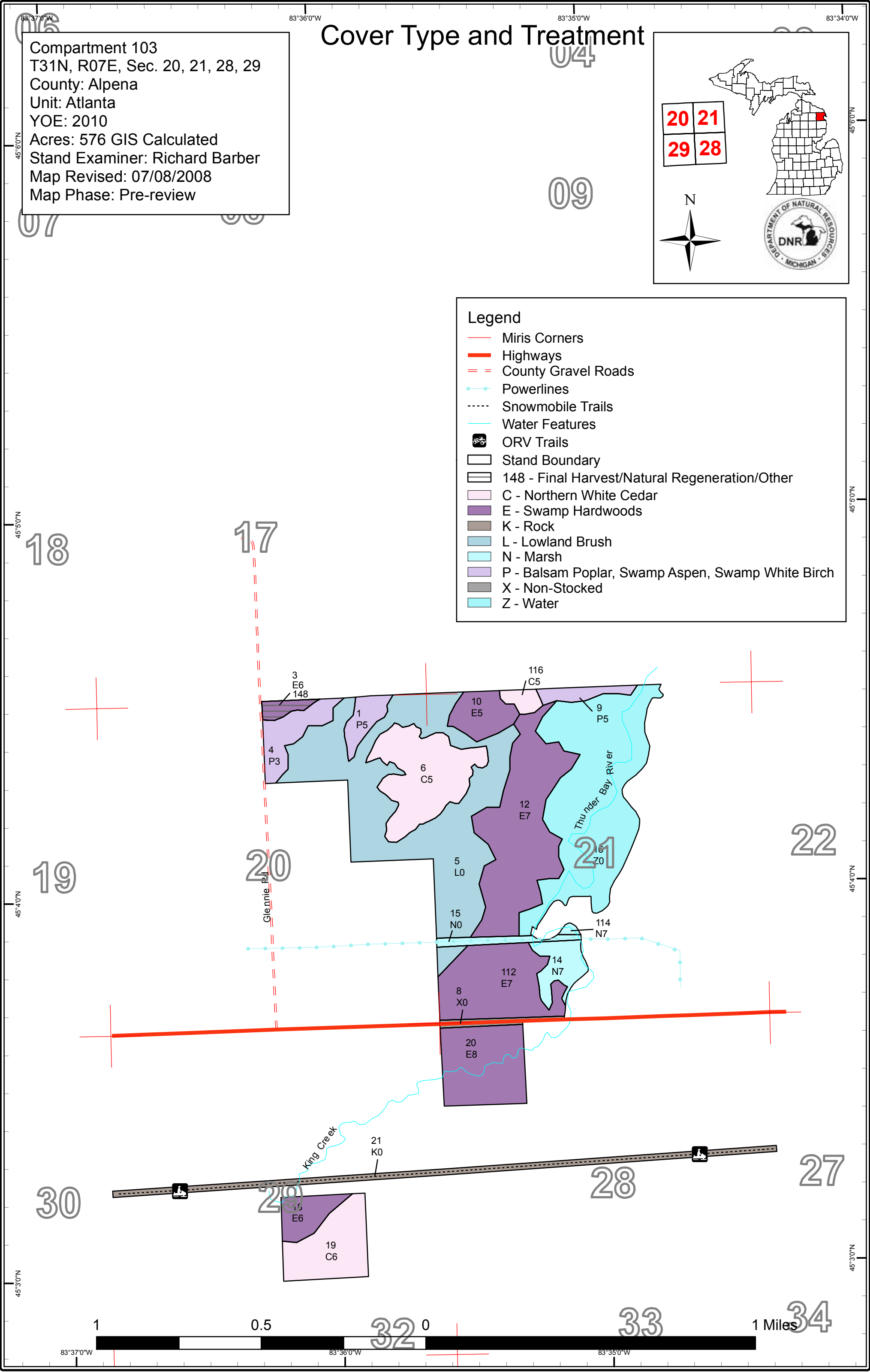
Cover Type and Treatment

Compartment 103
 T31N, R07E, Sec. 20, 21, 28, 29
 County: Alpena
 Unit: Atlanta
 YOE: 2010
 Acres: 576 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 07/08/2008
 Map Phase: Pre-review



Legend

- Miris Corners
- Highways
- - - County Gravel Roads
- Powerlines
- - - - - Snowmobile Trails
- Water Features
- ORV Trails
- Stand Boundary
- 148 - Final Harvest/Natural Regeneration/Other
- C - Northern White Cedar
- E - Swamp Hardwoods
- K - Rock
- L - Lowland Brush
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- X - Non-Stocked
- Z - Water



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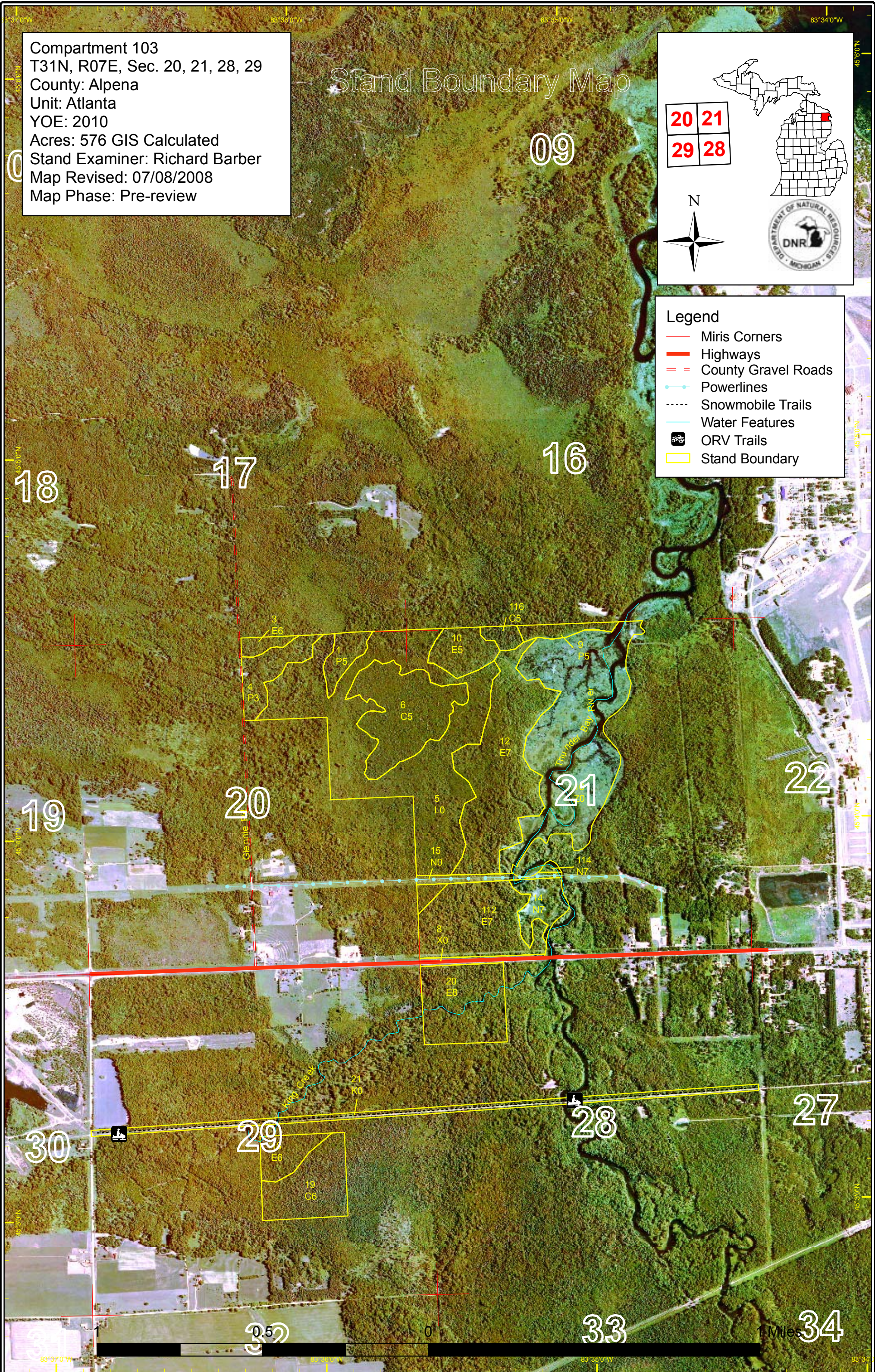
Stand Boundary Map

20	21
29	28

N

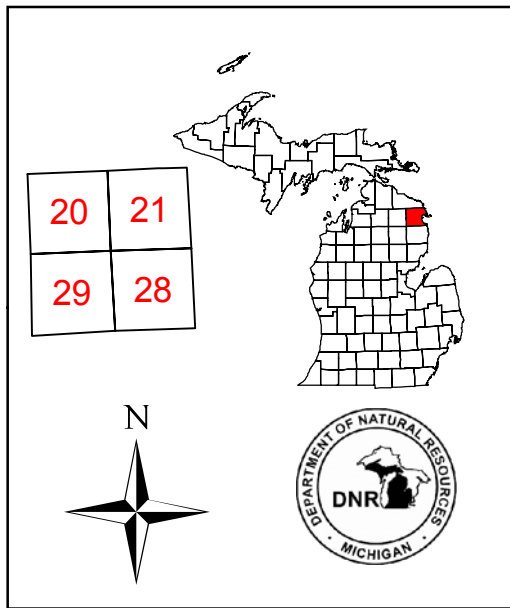
Legend

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- County Gravel Roads
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- Water Features
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- Stand Boundary



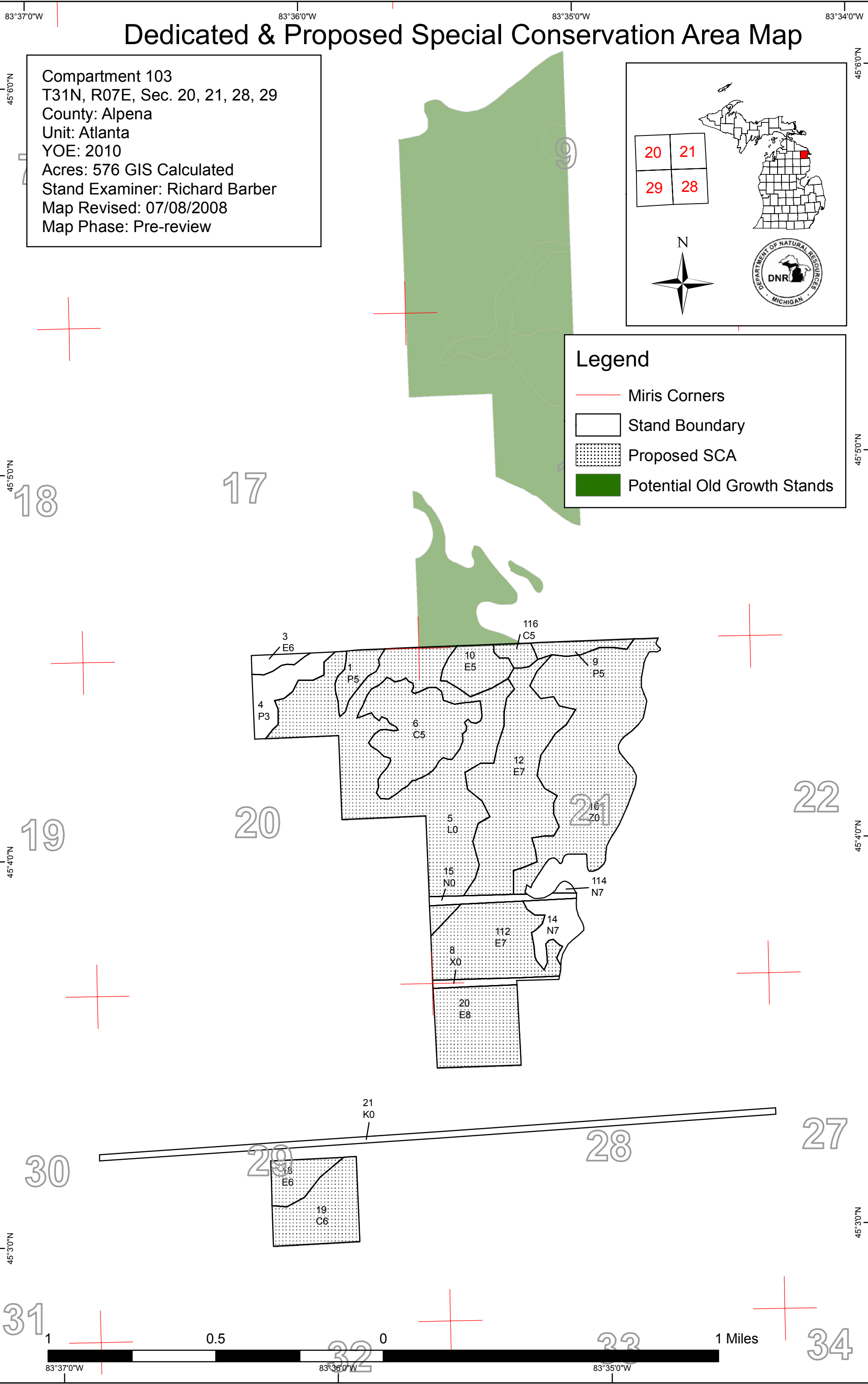
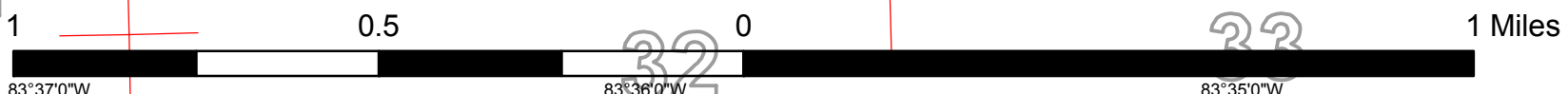
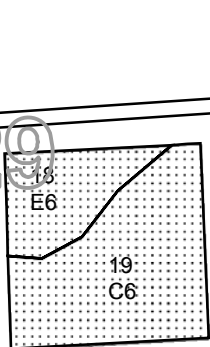
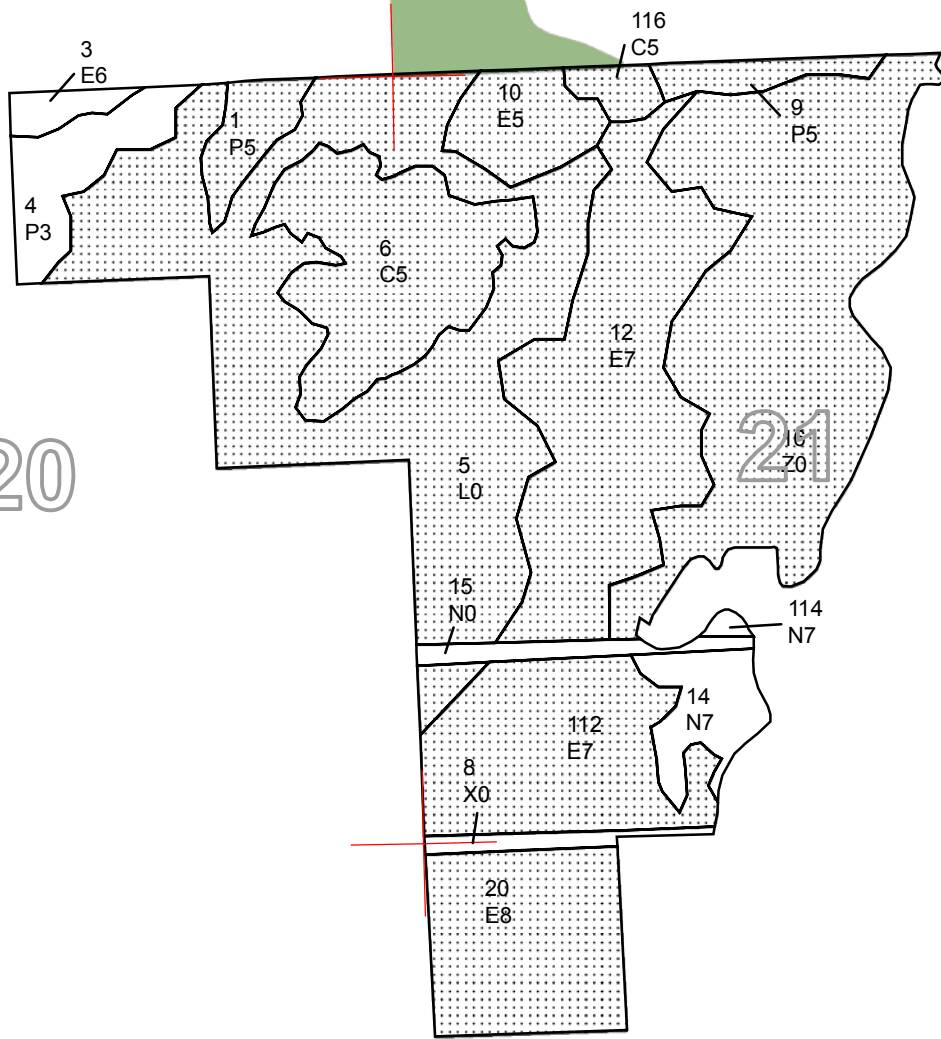
Dedicated & Proposed Special Conservation Area Map

Compartment 103
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Legend

-  Miris Corners
-  Stand Boundary
-  Proposed SCA
-  Potential Old Growth Stands





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	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.