



**PIGEON RIVER COUNTRY MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 20 ENTRY YEAR: 2010**

**Compartment Acreage: 1859      County: Cheboygan**

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**Revision Date:**

August 20, 2008

**Stand Examiner:**

Rick McDonald

**Legal Description:**

T34N R01E Sec. 21, 28, 31, 32, 33

**RMU (if applicable):**

Not Applicable

**Management Goals:**

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

**Soil and Topography:**

Terrain is flat to gently rolling with uplands primarily well-drained Rubicon sand, while the lowlands are dominated by poorly-drained Tawas peat.

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

West part of compartment is solid state ownership, but borders more private land to the east. Area gets significant local recreational use.

**Unique, Natural Features (include only non-site specific and non-sensitive information):**

None identified.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):**

None identified.

**Special Management Designations or Considerations:**

The Pigeon River is designated as a Natural River.

**Watershed and Fisheries Considerations:**

McClavey Lake does not offer very good fishing opportunities. The Milligan Creek headwaters start in this compartment and little bit south and is part of the Black River watershed. Efforts are underway in the lower reaches of the Milligan to restore trout habitat and control the beaver population to improve the fishery in this stream.

**Wildlife Habitat Considerations:**

Please refer to Wildlife Biologist's comments.

**Mineral Resource and Development Concerns and/or Restrictions:**

Sections 21, 28 & 31 - 33, T34N-R1E, Cheboygan County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured till. The glacial drift thickness varies between 10 and 200 feet. Beneath the glacial drift is the Devonian Traverse Group that is quarried for limestone and cement products elsewhere in the State. A gravel pit is located to the north and potential is good on the uplands. This area was previously leased for oil and gas development in the Niagaran reef trend. The Antrim Shale is gone in this area and has no potential. The Niagaran reef trend is located eight miles to the southeast. There is limited oil and gas potential for known producing formations in this compartment.

**Vehicle Access:**

There is good access to most, if not all, of the compartment. Most of the roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

**Survey Needs:**

None required.

**Recreational Facilities and Opportunities:**

No maintained recreational facilities exist within this compartment.

**Fire Protection:**

Access is poor in case of any fire suppression efforts, though the area is generally at low risk to any wildfire potential. Most road systems are closed with berms.

**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

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 20

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		53	175	186		196	79	21		7									717
Black Spruce									11	1									12
Cedar									31		362	38							431
Grass	19																		19
Jack Pine			15			3	9	6											33
LowInd Brush	11																		11
LowInd Poplr									22										22
Marsh	18																		18
Mx Swmp Cnfr			33	79					28			36		81					257
Oak										15	8								23
Paper Birch						5			2										7
Red Pine						25	29		5		21	4							84
Spruce Fir					25	4													29
Upland Hdwds							39		14	3								49	105
Water	34																		34
White Pine							3		17		5			32					57
<b>Total</b>	<b>82</b>	<b>53</b>	<b>223</b>	<b>265</b>	<b>25</b>	<b>233</b>	<b>159</b>	<b>27</b>	<b>130</b>	<b>26</b>	<b>396</b>	<b>78</b>		<b>113</b>				<b>49</b>	<b>1859</b>

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 20

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	717																										717	
S Black Spruce		12																										12
C Cedar				431																								431
G Grass					19																							19
J Jack Pine							33																					33
L LowInd Brush									11																			11
P LowInd Poplr										22																		22
N Marsh											18																	18
Q Mx Swmp Cnfr												257																257
O Oak														23														23
B Paper Birch															7													7
R Red Pine																84												84
F Spruce Fir																			29									29
M Upland Hdwds																								105				105
Z Water																									34			34
W White Pine																										57		57
<b>Total</b>	717	12		431	19		33		11	22	18	257		23	7	84			29					105	34	57	1859	

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **20**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7377 Cds	Hardwood	2115 Cds
Hardwood	666 Mbf	Hardwood	322 Mbf
Softwood	11781 Cds	Softwood	132 Cds
Softwood	585 Mbf	Softwood	60 Mbf
Sum TotVol	21660 Cds	Sum CutVol	3011 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	153
1859			

**PIGEON RIVER COUNTRY MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 20**

**Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	O6	8	91	55	oak	mature	seed tree	1		
comnts Fmd : Leave about 30 sq. ft. of Oak for retention.										
2	A5	21	61	50	aspen (upland)	mature	final harvest	1		
comnts Fmd : Leaving Oak, Pine and a few Aspen for retention. Also, 2-3 uncut islands will be left.										
4	A6	12	48	65	aspen (upland)	immature	final harvest	1		
comnts Fmd : Mark a few representative species for retention purposes.										
7	A6	23	48	65	aspen (upland)	immature	final harvest	1		
comnts Fmd : Mark a few representative species and 2 uncut islands for retention.										
9	A6	45	42	55	aspen (upland)	immature	final harvest	1		
comnts Fmd : Stand was added after discussion at pre-review.										
41	A6	44	52	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : Clearcut with reserves. Leave Oak and some Pine and also 3 - 5 uncut islands of Aspen for retention.										

**Total Acres..... 153**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 20**

**Entry Year: 2010**

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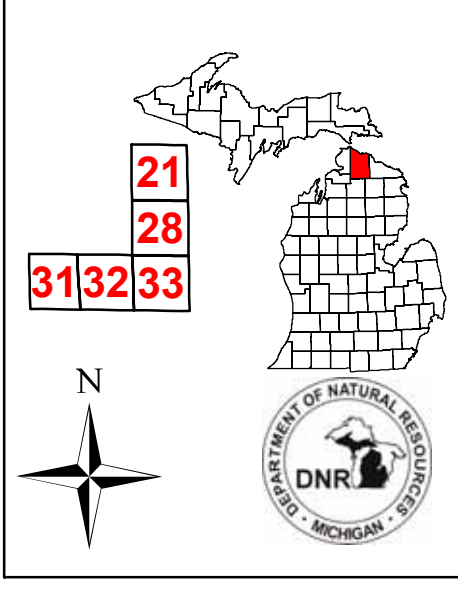
TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

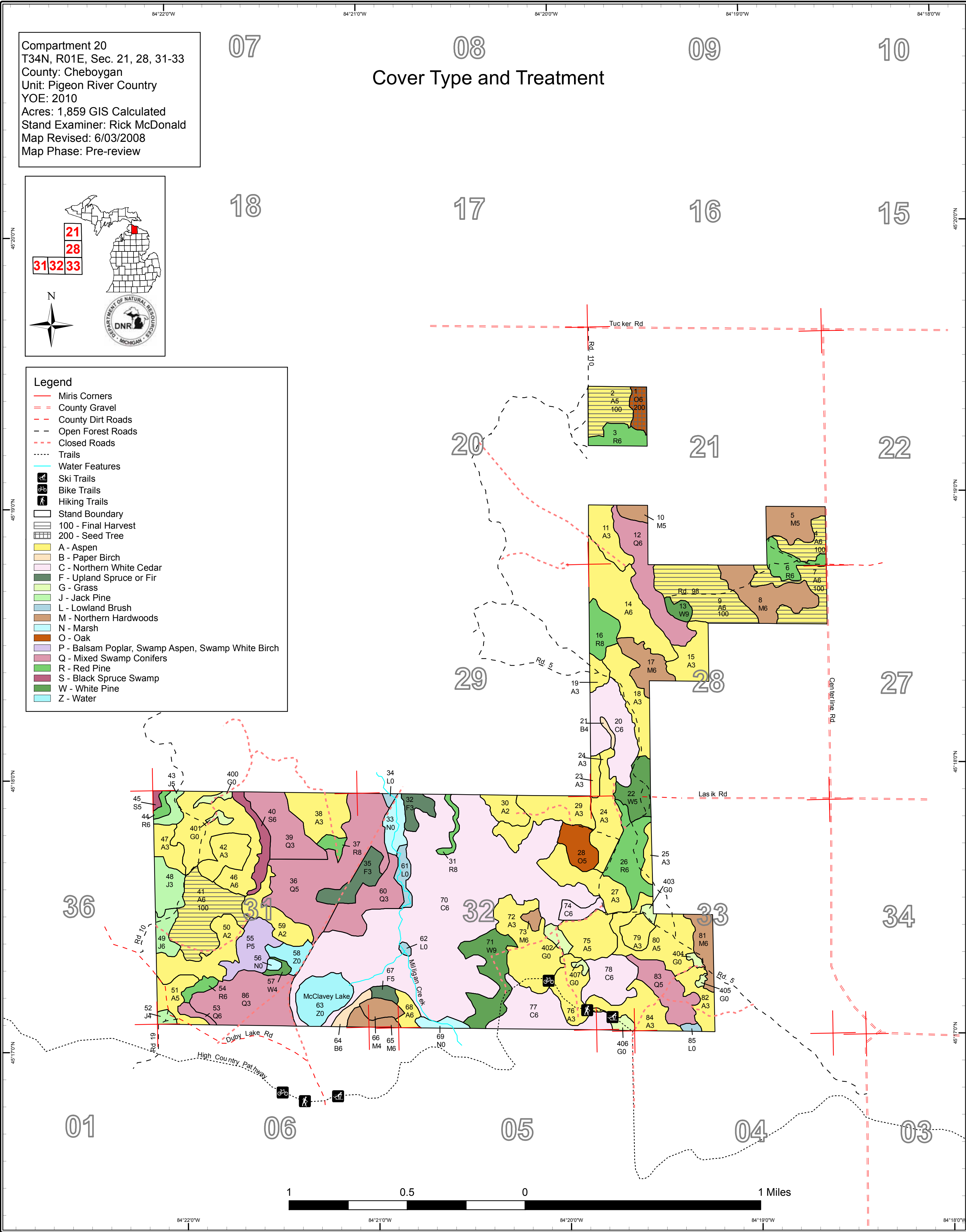
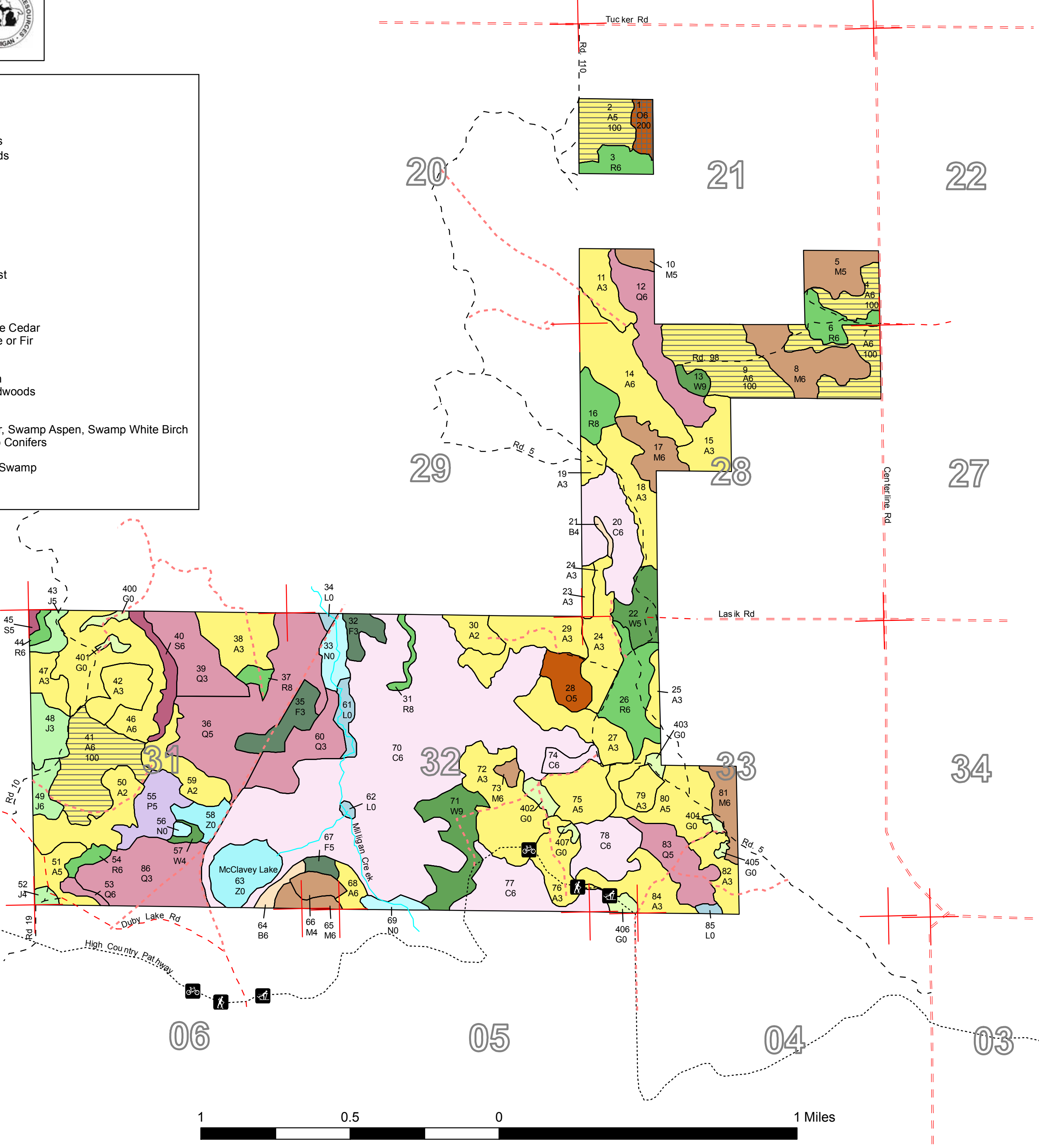
Compartment 20  
 T34N, R01E, Sec. 21, 28, 31-33  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOY: 2010  
 Acres: 1,859 GIS Calculated  
 Stand Examiner: Rick McDonald  
 Map Revised: 6/03/2008  
 Map Phase: Pre-review

# Cover Type and Treatment



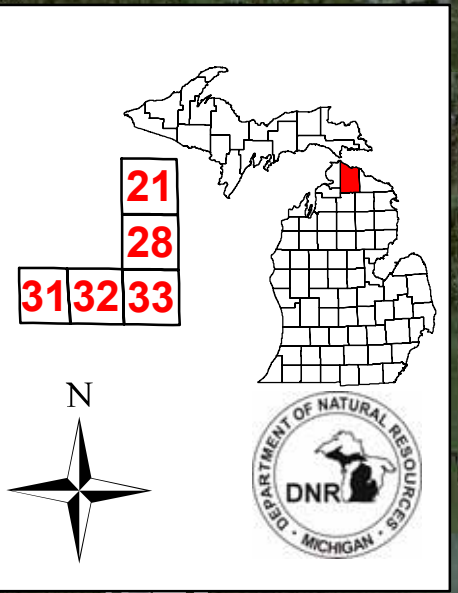
**Legend**

- Miris Corners
- - - County Gravel
- - - County Dirt Roads
- - - Open Forest Roads
- - - Closed Roads
- - - Trails
- Water Features
- Ski Trails
- Bike Trails
- Hiking Trails
- Stand Boundary
- 100 - Final Harvest
- 200 - Seed Tree
- A - Aspen
- B - Paper Birch
- C - Northern White Cedar
- F - Upland Spruce or Fir
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- W - White Pine
- Z - Water

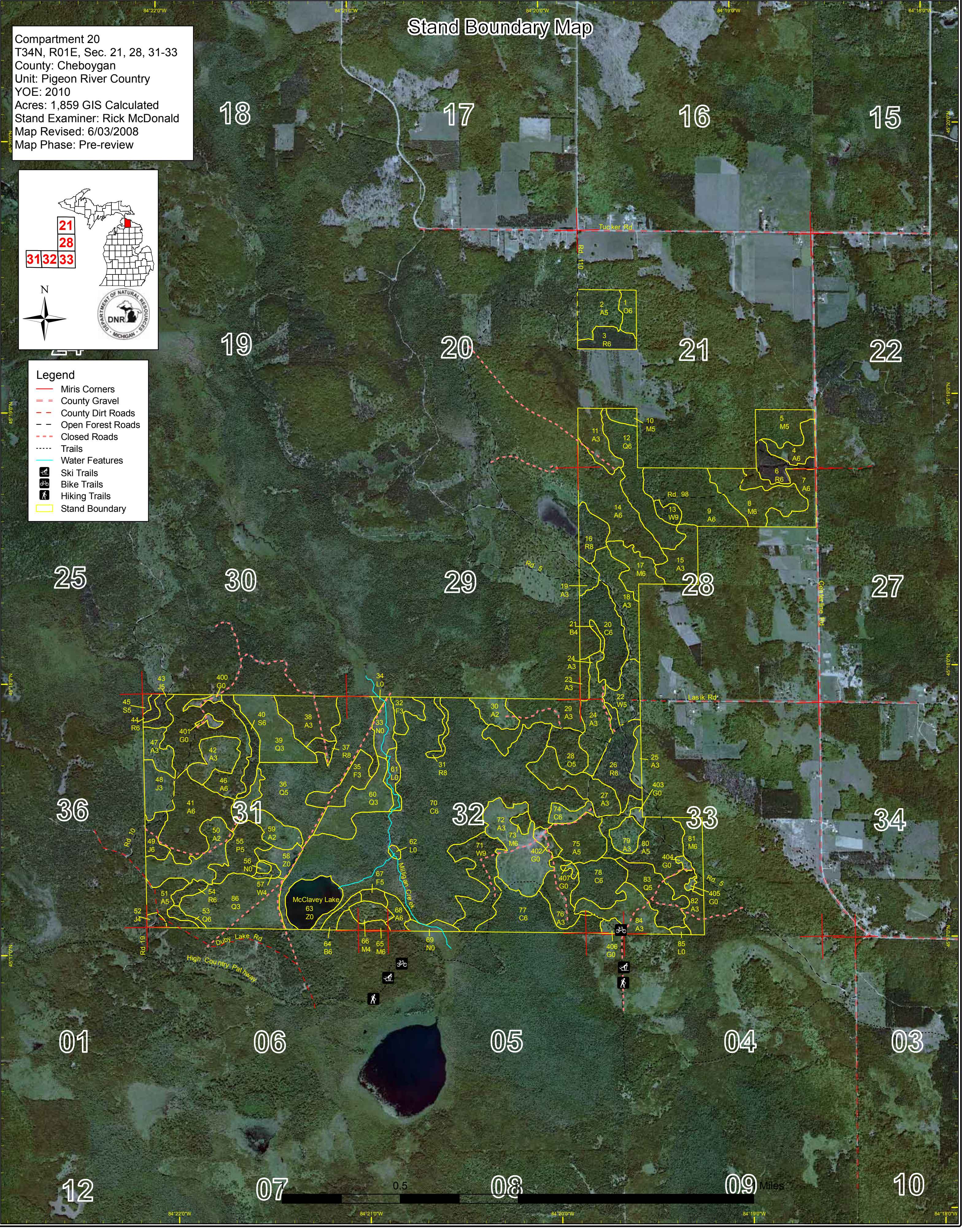


# Stand Boundary Map

Compartment 20  
 T34N, R01E, Sec. 21, 28, 31-33  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOY: 2010  
 Acres: 1,859 GIS Calculated  
 Stand Examiner: Rick McDonald  
 Map Revised: 6/03/2008  
 Map Phase: Pre-review

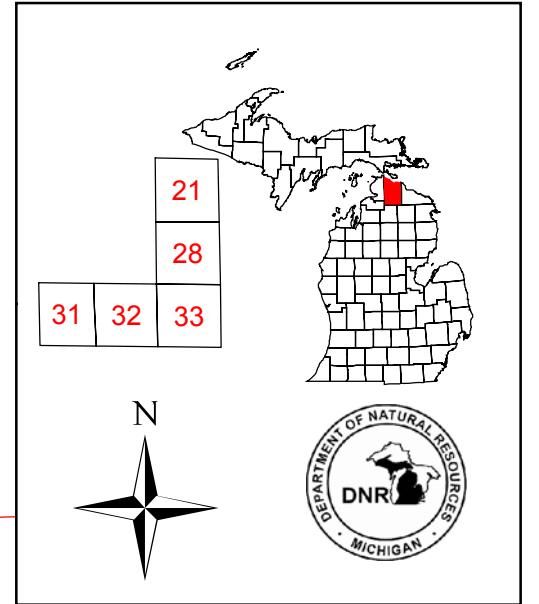


- Legend**
- Miris Corners
  - - - County Gravel
  - - - County Dirt Roads
  - - - Open Forest Roads
  - - - Closed Roads
  - - - Trails
  - Water Features
  - Ski Trails
  - Bike Trails
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  - Stand Boundary

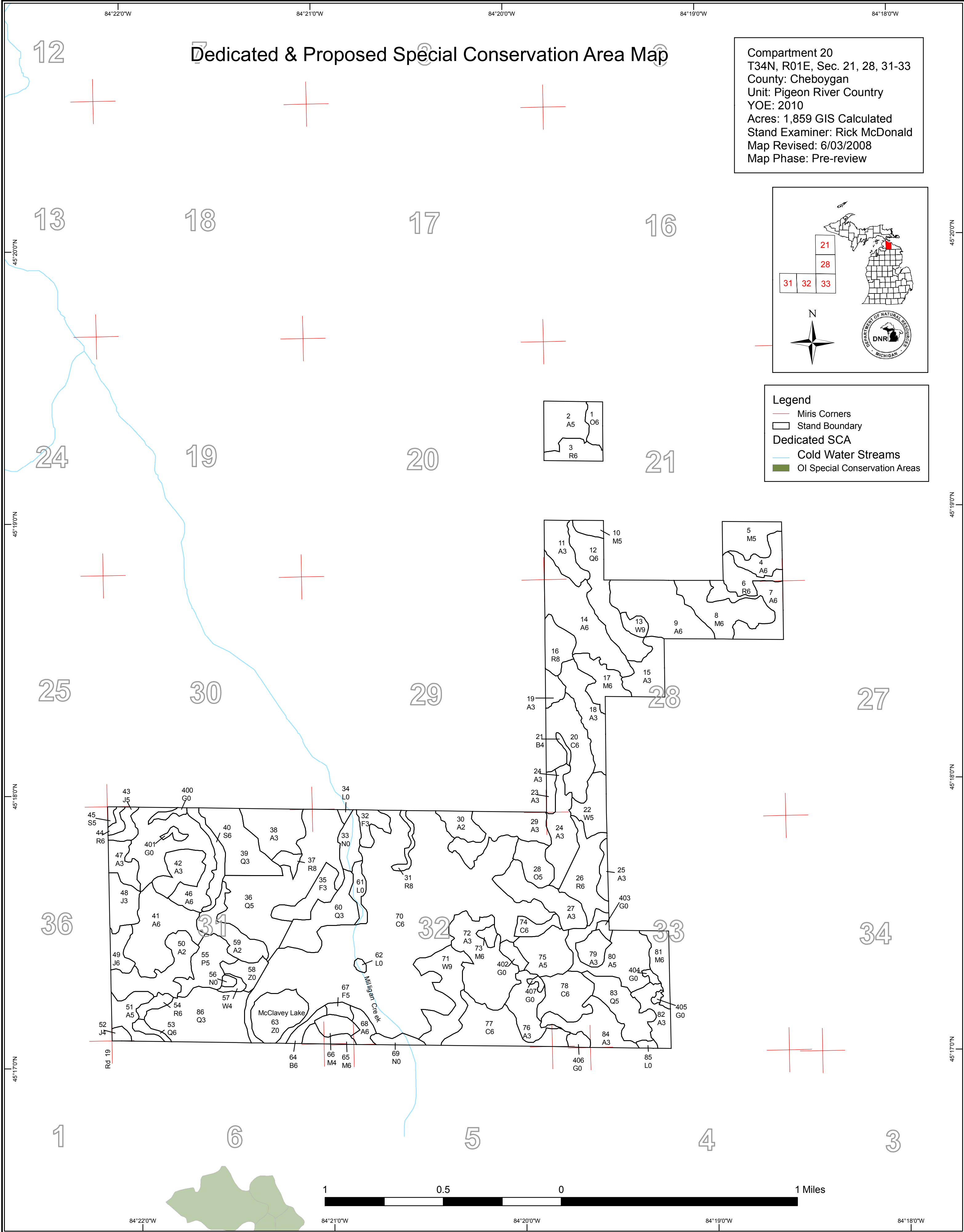


# Dedicated & Proposed Special Conservation Area Map

Compartment 20  
T34N, R01E, Sec. 21, 28, 31-33  
County: Cheboygan  
Unit: Pigeon River Country  
YOE: 2010  
Acres: 1,859 GIS Calculated  
Stand Examiner: Rick McDonald  
Map Revised: 6/03/2008  
Map Phase: Pre-review



- Legend**
- Miris Corners
  - Stand Boundary
  - Dedicated SCA
  - Cold Water Streams
  - OI Special Conservation Areas





**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	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.