



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

COMPARTMENT 6 ENTRY YEAR: 2010

Compartment Acreage: 1824 County: Cheboygan

Revision Date:

August 20, 2008

Stand Examiner:

Rick McDonald

Legal Description:

T34N - R01W sections 24, 25, 36

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 the uplands comprised of primarily well-drained Rubicon sand and the lowlands being poorly drained Tawas.

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

Entirely state-owned lands that border private to the north.

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:

None identified.

Watershed and Fisheries Considerations:

Lewis/Adair Creek flows into Milligan Creek in the very northeast of section 24. Efforts are underway to restore the Brook Trout population that was once abundant in Milligan Creek. Osmun Lake is under consideration for special fishing regulations.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 24, 25 and 36, T34N-R1W, Cheboygan County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and minor coarse-textured glacial till. The glacial drift thickness varies between 50 and 200 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group that are quarried for cement products and limestone elsewhere in the State. Afton quarry is located seven miles to the northwest. A gravel pit is located to the north and there is potential. This area was previously leased for oil and gas development. The Antrim Shale subcrops in this area and appears to be too thin for production. 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: 6

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			77	21	190	213		15											516
Black Spruce									12										12
Bog or Marsh	16																		16
Cedar	10										18								28
Grass	31																		31
Jack Pine		20		205	4	2		11		15								7	264
Lowlnd Brush	127			2															129
Lowlnd Poplr								41											41
Mx Swmp Cnfr	16			11				16	82	20	6				161				312
Oak									66										66
Red Pine					66	18	2	8	57	11	18		3					157	340
Spruce Fir								11											11
Tamarack									1										1
Upland Brush	7				3														10
Water	45																		45
White Pine															2				2
Total	252	20	77	239	263	233	2	102	218	46	42		3		163			164	1824

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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: 6

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	516																										516
S Black Spruce		12																									12
V Bog or Marsh			16																								16
C Cedar				28																							28
G Grass					31																						31
J Jack Pine							264																				264
L LowInd Brush									129																		129
P LowInd Poplr										41																	41
Q Mx Swmp Cnfr												312															312
O Oak														66													66
R Red Pine															340												340
F Spruce Fir																			11								11
T Tamarack																					1						1
U Upland Brush																							10				10
Z Water																									45		45
W White Pine																										2	2
Total	516	12	16	28	31		264		129	41		312		66	340				11		1		10		45	2	1824

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 6

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5374 Cds	Hardwood	709 Cds
Hardwood	124 Mbf	Softwood	989 Cds
Softwood	7806 Cds	Softwood	331 Mbf
Softwood	1351 Mbf	Sum CutVol	2360 Cds
Sum TotVol	16130 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1824		172	

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 6

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
9	U0	3	30	65	upland brush	nonstocked		0	pruning	
comnts Fmd : EXISTING APPLE ORCHARD THAT NEEDS ATTENTION - SUMAC & BLACKBERRY										
22	A3	16	17	60	aspen (upland)	immature		0	other - specify in remarks	
comnts Fmd : Proposal by Wildlife Biologist to rejuvenate spotty regeneration by non-commercially cutting the present regeneration.										
23	R9	5	90	63	red pine	mature	seed tree	1		
comnts Fmd : Use seed trees for retention purposes.										
28	R9	6	72	60	red pine	immature	shelterwood-seed	1		
comnts Fmd : Use seed trees for retention purposes. The ground just north of this stand in stand 30 is lower with some sizeable Red Pine that can be left as retention also.										
29	R9	34		63	red pine	unevenaged	shelterwood-seed	6		
comnts Fmd : This stand was marked and under contract before retention guidelines came into being, so no retention was applied. However, there will be approx. 40 sq. ft. residual left in this stand.										
33	S6	12	76	46	black spruce-swamp	immature	final harvest	2		
comnts Fmd : Clearcut with reserves. Mark a few individual trees to leave, as well as, a couple small uncut islands.										
34	J5	15	81	60	jack pine	immature	seed tree	1		
46	R6	30	71	62	red pine	mature	shelterwood-seed	1		
comnts Fmd : Mark some individual representative species throughout the sale and also leave 3 - 5 small uncut island for retention.										
60	R9	3	112	48	red pine	mature	seed tree	1		
comnts Fmd : Seed trees will be left for retention purposes.										
61	J6	11	61	45	jack pine	immature	final harvest	1		
comnts Fmd : Mark a few individual Jack Pine for retention, as well as, two small uncut islands.										
62	A6	15	61	50	aspen (upland)	mature	final harvest	1		
comnts Fmd : Mark a few individual representative species, as well as, 2 - 3 uncut islands for retention.										
400	G0	1			grass	nonstocked		0	opening maintenance	
403	G0	1			grass	nonstocked		0	opening maintenance	
410	G0	2			grass	nonstocked		0	opening maintenance	
411	G0	8			grass	nonstocked		0	opening maintenance	
comnts Fmd : PART OF THIS STAND HAS SIBERIAN CRAB AND Highbush CRANBERRY PLANTED IN IT										
412	G0	5			grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE PLANTED Highbush CRANBERRY AND SIBERIAN CRAB										
413	G0	6			grass	nonstocked		0	opening maintenance	
comnts Fmd : Edges of opening filling with Red Pine.										
Total Acres.....		173								

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 6

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
44	P5	41	58	60	balsam poplar & swamp aspen and swamp white birch	immature	final harvest	2		

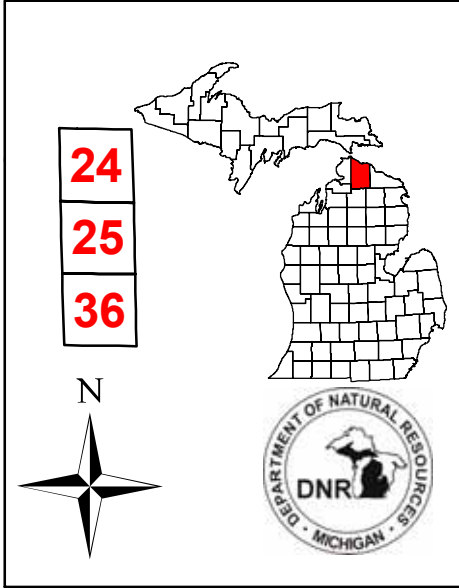
TREATMENT LIMITING FACTORS: Too wet

comnts Fmd : Wet stand with a bit of Spruce/Fir blowdown. Wildlife Biologist recommended this stand to be cut during pre-review.

Total Acres..... 41

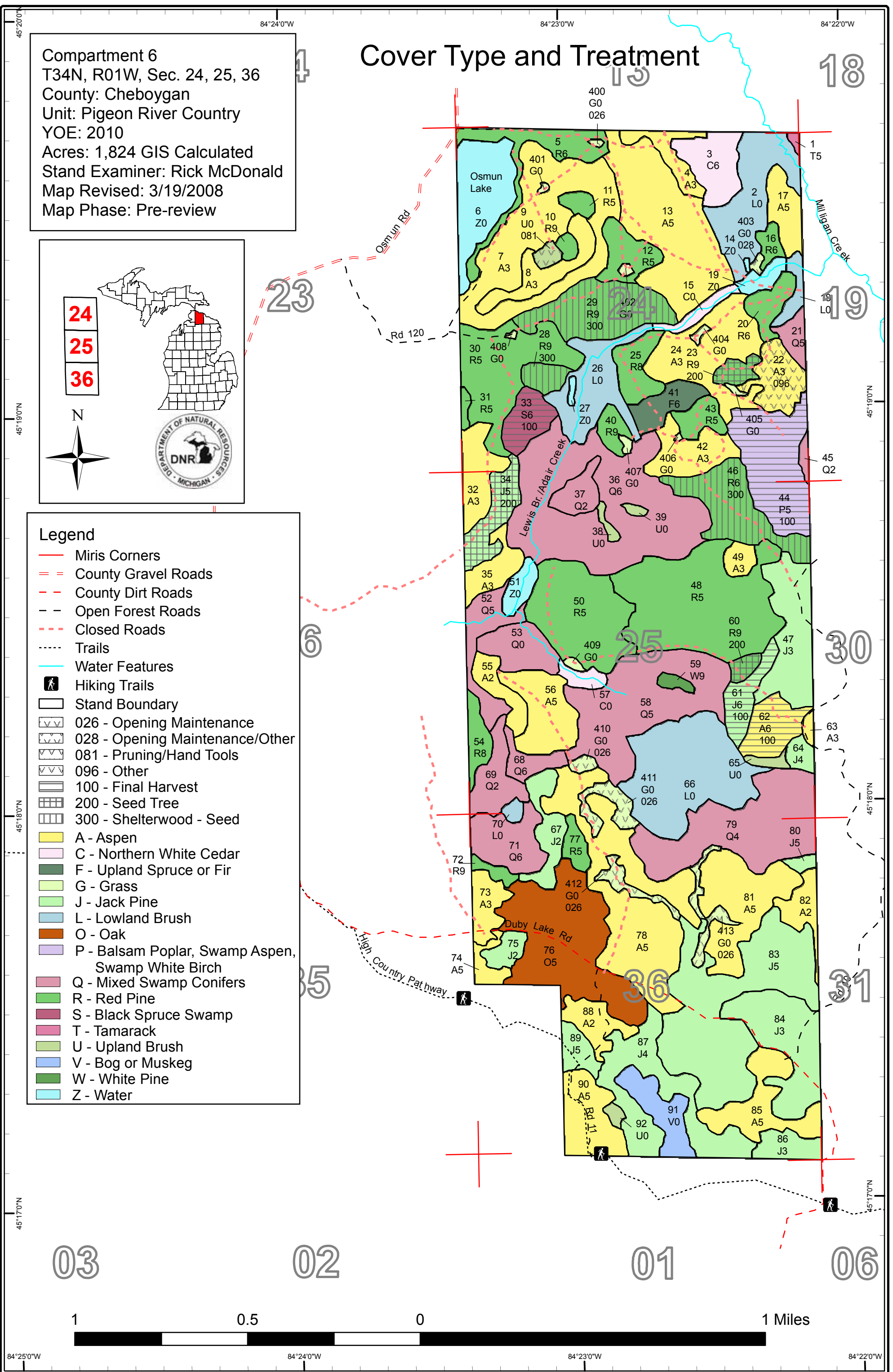
Cover Type and Treatment

Compartment 6
 T34N, R01W, Sec. 24, 25, 36
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2010
 Acres: 1,824 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 3/19/2008
 Map Phase: Pre-review



Legend

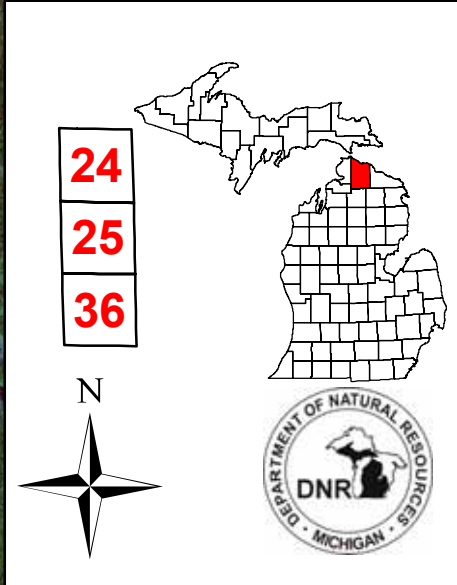
- Miris Corners
- - - County Gravel Roads
- - - County Dirt Roads
- - - Open Forest Roads
- - - Closed Roads
- - - Trails
- Water Features
- Hiking Trails
- Stand Boundary
- 026 - Opening Maintenance
- 028 - Opening Maintenance/Other
- 081 - Pruning/Hand Tools
- 096 - Other
- 100 - Final Harvest
- 200 - Seed Tree
- 300 - Shelterwood - Seed
- A - Aspen
- C - Northern White Cedar
- F - Upland Spruce or Fir
- 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
- S - Black Spruce Swamp
- T - Tamarack
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- Z - Water



84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W

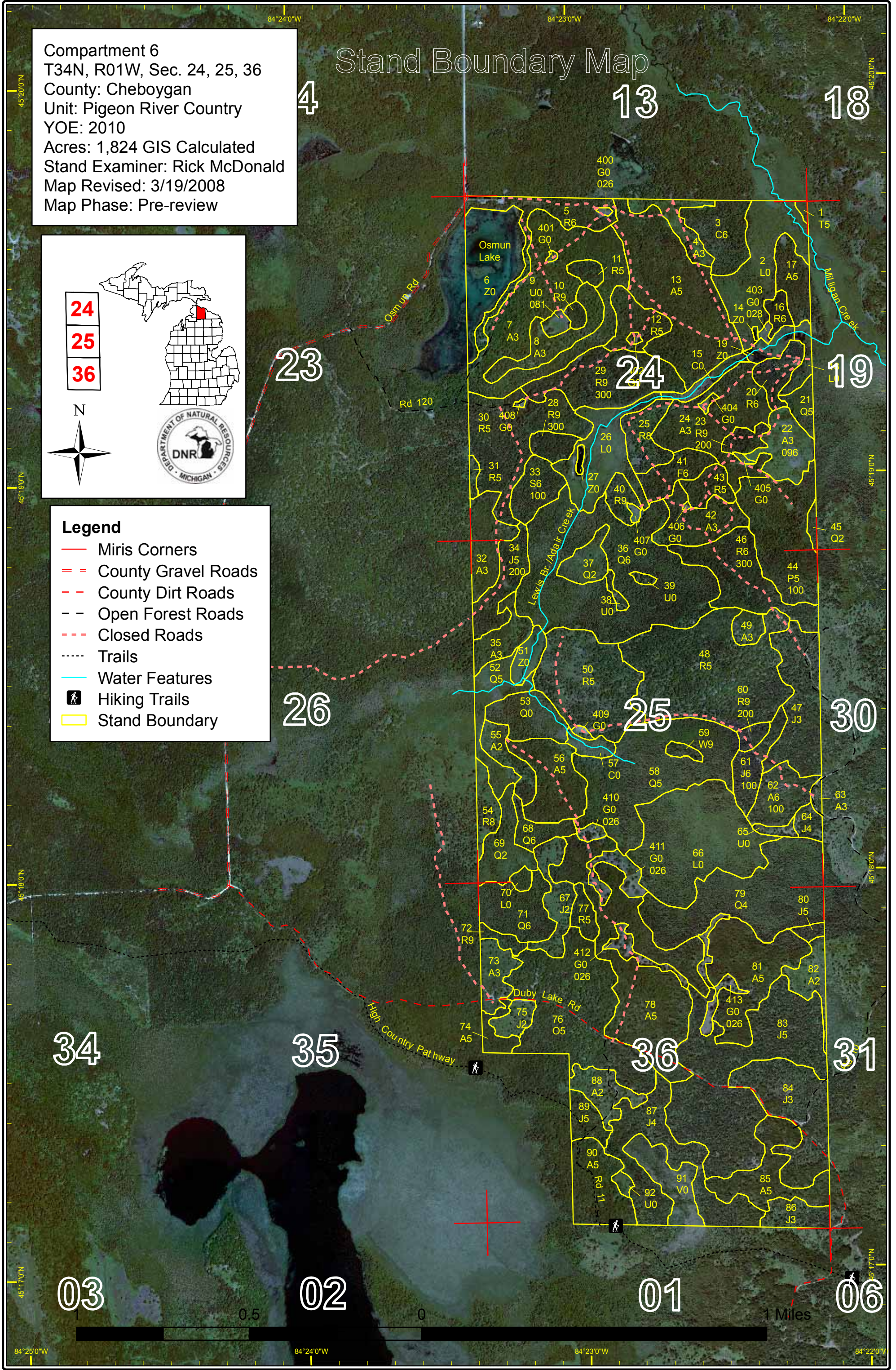
Stand Boundary Map

Compartment 6
 T34N, R01W, Sec. 24, 25, 36
 County: Cheboygan
 Unit: Pigeon River Country
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Legend

- Miris Corners
- = County Gravel Roads
- - County Dirt Roads
- - - Open Forest Roads
- - - - Closed Roads
- - - - - Trails
- Water Features
- Hiking Trails
- Stand Boundary

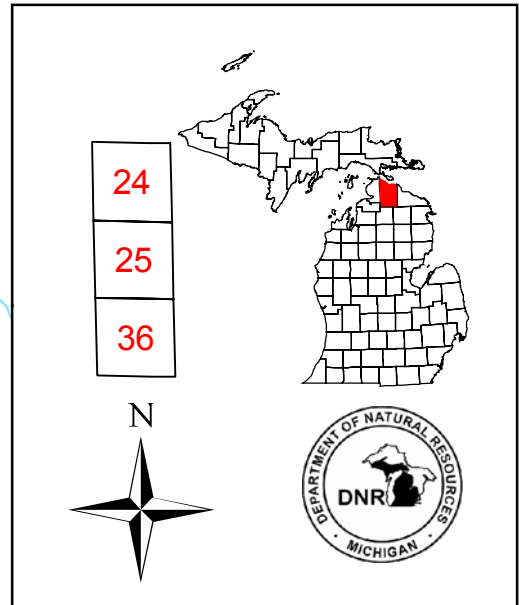
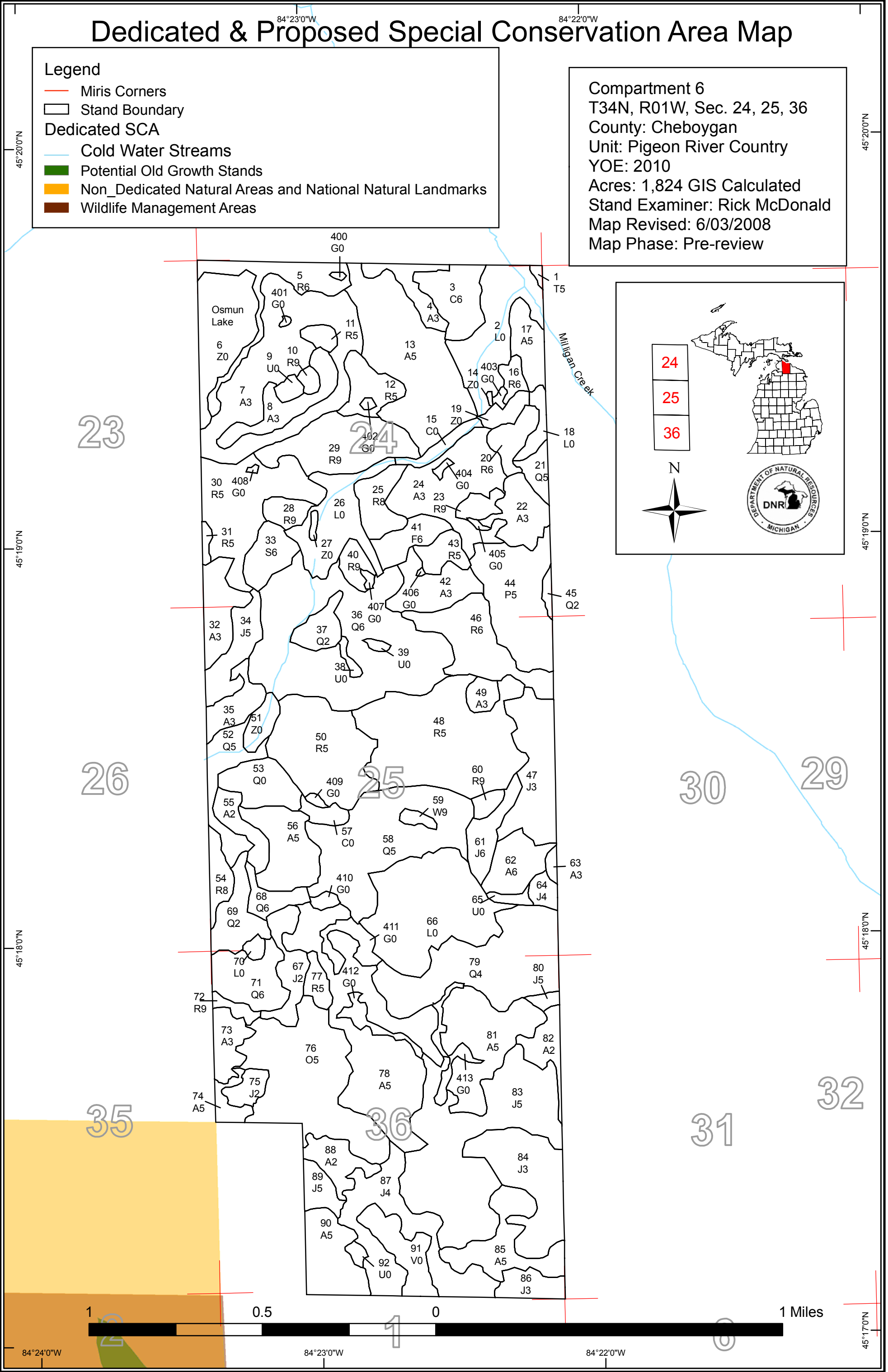


Dedicated & Proposed Special Conservation Area Map

Legend

- Miris Corners
- Stand Boundary
- Dedicated SCA**
- Cold Water Streams
- Potential Old Growth Stands
- Non_Dedicated Natural Areas and National Natural Landmarks
- Wildlife Management Areas

Compartment 6
 T34N, R01W, Sec. 24, 25, 36
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2010
 Acres: 1,824 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/03/2008
 Map Phase: Pre-review



23

24

25

26

30

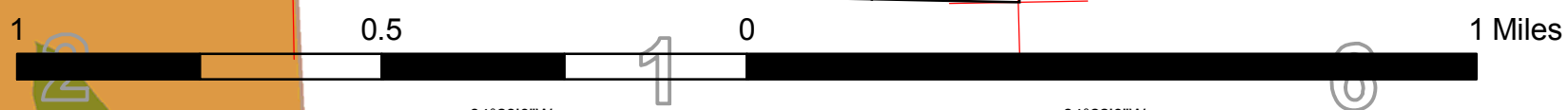
29

35

36

31

32



84°24'0"W 84°23'0"W 84°22'0"W 45°17'0"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	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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.