



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

COMPARTMENT 24 ENTRY YEAR: 2011

Compartment Acreage: 1638 County: Cheboygan

Review Date:

August 25, 2009

Stand Examiner:

Rick McDonald

Legal Description:

T33N - R01E sections 10, 11 and 12

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 Cheboygan – Blue Lakes associations dominated by Cheboygan and Rubicon sands.

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

Mostly state-owned with some private along the Black River.

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:

The Black River flows through the compartment and is a good trout fishery.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 10 - 12, T33N-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. Gravel pits are not located in this area, but there is potential. This area was previously leased for oil and gas development in the Guelph (Niagaran) reef trend. The Antrim Shale is gone in this area and has no potential. The Guelph (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:

Access is adequate for current recreational needs and all prescribed work can be done with present system.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

The High Country Pathway runs through the middle of the compartment. Also, a portion of the MCCC trail passes through the compartment.

Fire Protection:

Access is generally good 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**

7/20/2009 8:49:19 AM

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 24

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		61	10	286	37	262	47	51	29									9	792
Cedar									10	17									27
Grass	45																		45
Jack Pine							4												4
Lowlnd Brush	52																		52
Lowlnd Poplr							1	47	35										83
Mx Swmp Cnfr										115									115
Red Pine						3			5		2							12	22
Spruce Fir							27												27
Swamp Hrdwds											20							18	38
Upland Brush	3																		3
Upland Hdwds							14			90								326	430
Total	100	61	10	286	37	265	93	98	79	222	22							365	1638

7/20/2009 8:49:28 AM

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 24

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	792																										792
C Cedar				27																							27
G Grass					45																						45
J Jack Pine							4																				4
L Lowlnd Brush									52																		52
P Lowlnd Poplr										83																	83
Q Mx Swmp Cnfr												115															115
R Red Pine																22											22
F Spruce Fir																				27							27
E Swamp Hrdwds																					38						38
U Upland Brush																								3			3
M Upland Hdwds																								430			430
Total	792			27	45		4		52	83		115				22				27	38			3	430		1638

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **24**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	15002 Cds	Hardwood	1697 Cds
Hardwood	1011 Mbf	Hardwood	103 Mbf
Softwood	4122 Cds	Softwood	221 Cds
Softwood	455 Mbf	Softwood	16 Mbf
Sum TotVol	22056 Cds	Sum CutVol	2156 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	108
1638			

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 24

Entry Year: 2011

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	R6	12		55	red pine	unevenaged	selection	1		
8	J6	4	52	55	jack pine	mature	seed tree	1		
comnts Fmd : Mark Red Pine seed trees										
12	A6	8	64	60	aspen (upland)	mature	final harvest	1		
36	M6	22		60	northern hardwood	unevenaged	selection	6		
comnts Fmd : Presently under contract as part of the Crockett Rapids Hardwood sale with adjacent stand to the north										
58	A6	18	60	65	aspen (upland)	mature	final harvest	1		
67	A6	44	45	65	aspen (upland)	mature	final harvest	1		
401	G0	2		50	grass	nonstocked		0	opening maintenance	
402	G0	4		50	grass	nonstocked		0	opening maintenance	
403	G0	2		50	grass	nonstocked		0	opening maintenance	
404	G0	5		50	grass	nonstocked		0	opening maintenance	
405	G0	3		50	grass	nonstocked		0	planting	
comnts Fmd : Tree planting to restore site to a forested state.										
410	G0	2		50	grass	nonstocked		0	opening maintenance	
415	G0	8			grass	nonstocked		0	opening maintenance	
Total Acres.....		134								

**Proposed Treatments
With Limiting Factors**

Compartment: 24

Entry Year: 2011

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

TREATMENT LIMITING FACTORS:

Total Acres.....

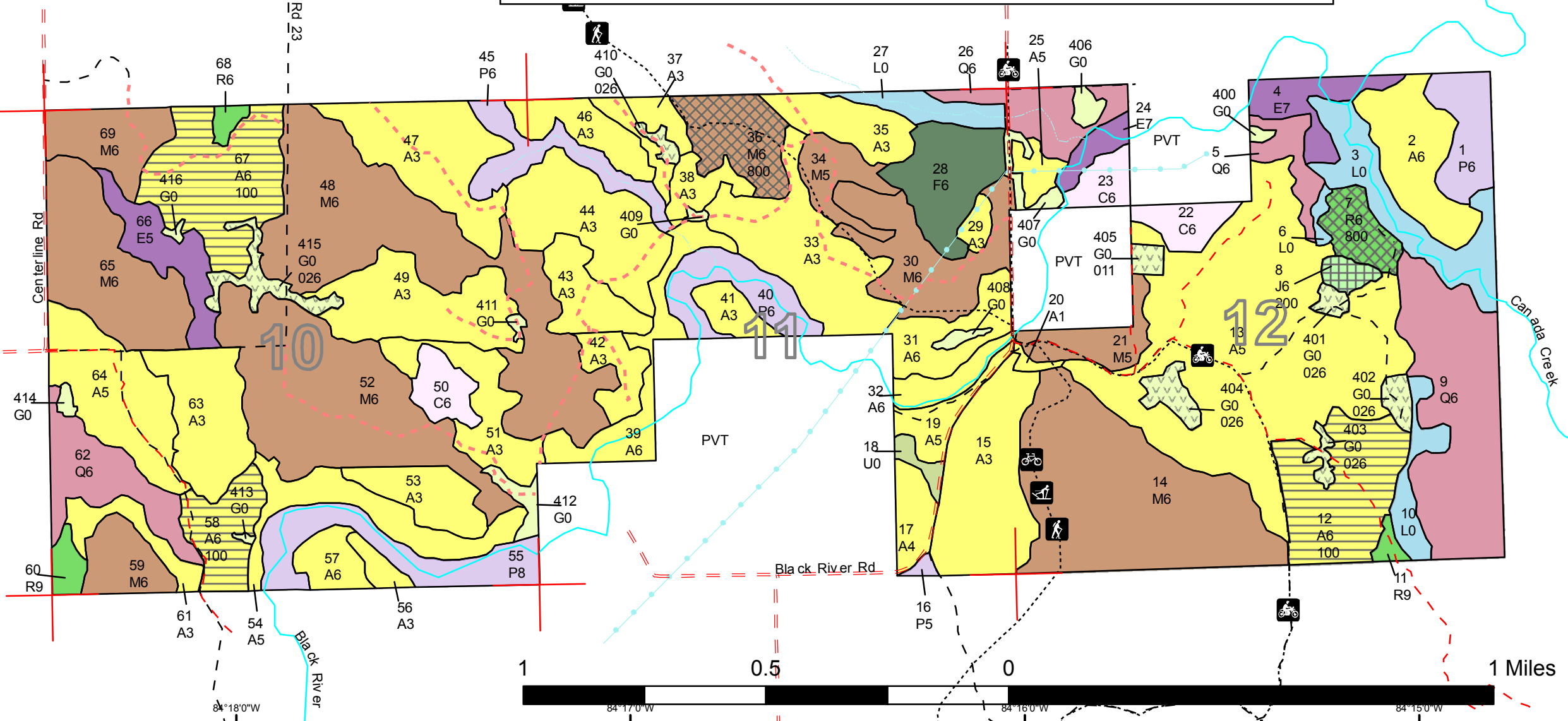
Coverture & Treatment Map

Compartment 24
 T33N, R01E, Sec. 10, 11, 12
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2011
 Acres: 1,638 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/30/2009
 Map Phase: Pre-review

Legend

	Miris Corners		Stand Boundary
	County Dirt Roads		011 - Planting/Hand Tools
	County Gravel Roads		026 - Opening Maintenance
	Poor Dirt Roads		100 - Final Harvest
	Open Forest Roads		200 - Seed Tree
	Closed Roads		800 - Selection
	High Country Pathway		A - Aspen
	Trails		C - Northern White Cedar
	Powerlines		E - Swamp Hardwoods
	Water Features		F - Upland Spruce or Fir
	Intermittent Streams		G - Grass
	MCCCT Trails		J - Jack Pine
	Ski Trails		L - Lowland Brush
	Bike Trails		M - Northern Hardwoods
	Hiking Trails		P - Balsam Poplar, Swamp Aspen, Swamp White Birch
			Q - Mixed Swamp Conifers
			R - Red Pine
			U - Upland Brush




10 11 12

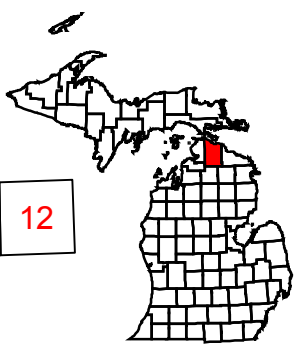


Dedicated & Proposed Special Conservation Area Map

Compartment 24
 T33N, R01E, Sec. 10, 11, 12
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2011
 Acres: 1,638 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 4/16/2009
 Map Phase: Pre-review

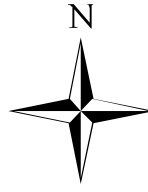

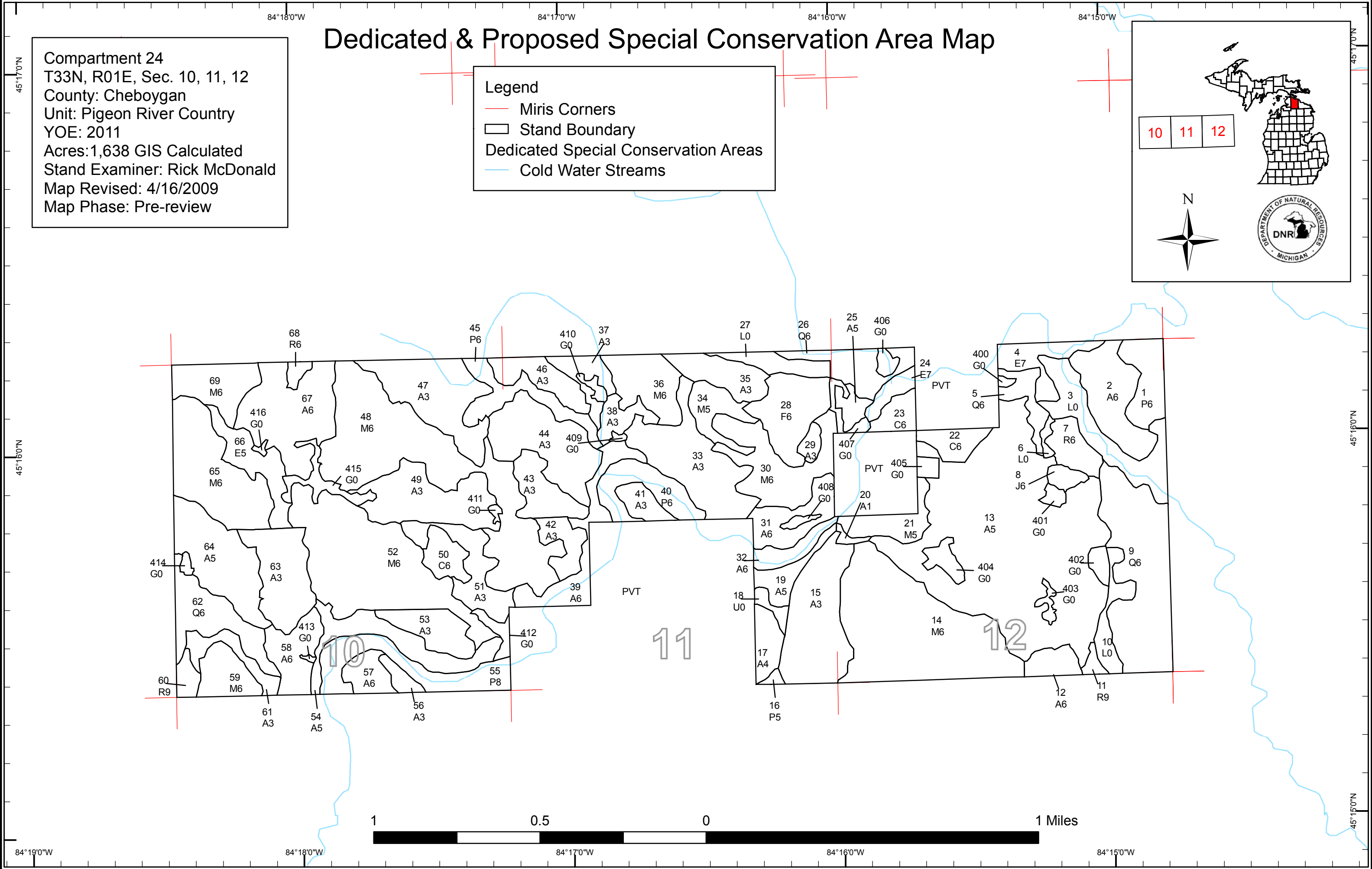
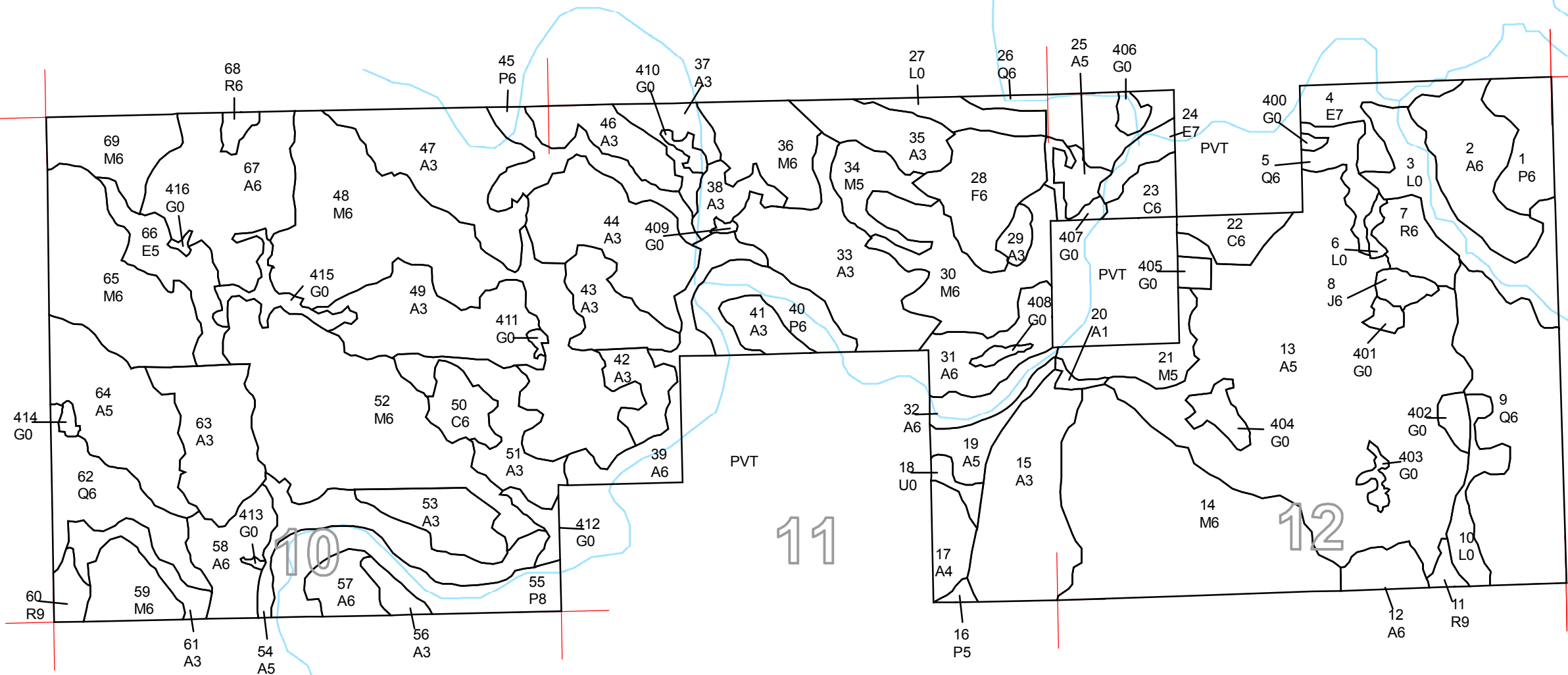
Legend

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



10
11
12

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.