



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

COMPARTMENT 13 ENTRY YEAR: 2008

Compartment Acreage: 1846 County: Cheboygan

Revision Date:

August 10, 2006

Stand Examiner:

Rick McDonald

Legal Description:

T33N - R01W sections 19, 30, 31

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:

Uplands are generally rolling to mostly level. Soils are predominantly sand of varying associations including, Rubicon, Au Gres, and Cheboygan sands.

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

Entirely state-owned throughout the compartment, however, Wildwood subdivision and other large tracts of privately owned land bounds it to the west.

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

A representative from Michigan's Natural Features Inventory will be on hand at the formal compartment review.

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

None identified.

Special Management Designations or Considerations:

Proposed Hardwood Natural Area (stand 2) in north end of compartment.

Watershed and Fisheries Considerations:

Both Bird Tally Creek and Grindstone Creek have their origins within this compartment. Both creeks flow into the Pigeon River, which is a Natural River.

Wildlife Habitat Considerations:

The majority of this compartment is upland with northern hardwoods, aspen and pine present. The northern hardwoods contain beech. There are also areas of managed and unmanaged grassy opening. The wetlands in this compartment are mostly conifer swamp and semi-open water wetlands resulting from beaver activity. Some of the aspen, 40 acres, is being cut early to increase age class diversity of aspen. Openings created by Wildlife division will be maintained as needed.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. A gravel pit is located to the west and there is good potential on the uplands. This area was previously leased for oil and gas development. The Antrim Shale is thinning and subcrops in this area and may be too thin for production. The Niagaran reef trend is located five miles to the southeast. There is limited oil and gas potential for known producing formations in this compartment.

Consistent with the objectives of the Concept of Management there are no plans to engage in mining activities (sand, gravel, stone, etc.) or oil and gas development in this Compartment. Nondevelopment (no surface infrastructure including pipelines, new roads, utility lines, well pads, etc.) oil and gas leasing may be considered.

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. Hunting, mushroom and berry picking are the main forms of recreation in this area.

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 or gates.

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: 13

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			99	78	31	250													458
Cedar										4		2	133						139
Grass	85																		85
Lowlnd Brush	4																		4
Marsh	55																		55
Mx Swmp Cnfr			23			5													28
Red Pine										238								24	262
Upland Brush	26																		26
Upland Hdwds				13		12			20	60								541	646
White Pine				7				124		12									143
Total	170		122	98	31	267		124	20	314		2	133					565	1846

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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: 13

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	458																										458
C Cedar				139																							139
G Grass					85																						85
L Lowlnd Brush									4																		4
N Marsh											55																55
Q Mx Swmp Cnfr												28															28
R Red Pine																262											262
U Upland Brush																								26			26
M Upland Hdwds																								646			646
W White Pine																										143	143
Total	458			139	85				4		55	28				262							26	646		143	1846

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 13

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13555 Cds	Hardwood	1131 Cds
Hardwood	2218 Mbf	Hardwood	35 Mbf
Softwood	6554 Cds	Softwood	92 Cds
Softwood	1816 Mbf	Sum CutVol	1293 Cds
Sum TotVol	28177 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	88
1846			

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 13

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
6	M6	28	82	60	northern hardwood	mature	selection	1		
comnts Fmd : Stand was thinned in 1993. Access thru Wildwood subdivision.										
7	M6	14	82	60	northern hardwood	mature	selection	1		
comnts Fmd : Stand was thinned in 1993. Access thry Wildwood subdivision.										
67	A6	46	38	65	aspen (upland)	immature	final harvest	1		
403	G0	6			grass	nonstocked		0	opening maintenance	
comnts Fmd : Wildlife managed opening.										
404	G0	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Wildlife managed opening.										
409	G0	17			grass	nonstocked		0	opening maintenance	
comnts Fmd : Opening created by Wildlife Div., but is filling in with Balm and Fir and pine. Needs maintenance										
411	G0	4			grass	nonstocked		0	opening maintenance	
comnts Fmd : Managed wildlife opening										
412	G0	5			grass	nonstocked		0	opening maintenance	
comnts Fmd : Managed wildlife opening										
413	G0	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Managed wildlife opening										
414	G0	6			grass	nonstocked		0	opening maintenance	
comnts Fmd : Managed wildlife opening										
417	G0	21			grass	nonstocked		0	opening maintenance	
comnts Fmd : Managed wildlife opening										
Total Acres.....		149								

**Proposed Treatments
With Limiting Factors**

Compartment: 13

Entry Year: 2008

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

Field Map

Compartment 13
 T33N, R01W, Sec. 19, 30, 31
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2008
 Acres: 1,846 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/14/2006
 Map Phase: Pre-review

19
 30
 31



Legend

- Miris Corners
- - - County Gravel Roads
- - - Poor Dirt Roads
- - - Closed Roads
- - - Trails
- Hiking Trails
- Stand Boundary
- 800 - Biodiversity/Old Growth Area
- 026 - Opening Maintenance
- 100 - Final Harvest
- 800 - Selection

