



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

COMPARTMENT 1 ENTRY YEAR: 2009

Compartment Acreage: 1424 County: Cheboygan

Revision Date:

August 23, 2007

Stand Examiner:

Rick McDonald

Legal Description:

T34N - 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:

North half of compartment is Cheboygan-Blue Lake Association; south half of compartment is Detour-Brevort Association.

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

Mostly all state ownership, except for some private ownership on the north end.

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

The Pigeon River has been classified as a Natural River.

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 Little Pigeon River flows into the mainstream of the Pigeon River in the south end of the compartment.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 19, 30 and 31, T34N-R1W, Cheboygan County

Surface sediments consist of 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 three miles to the north. A gravel pit is located to the north and there is good 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 eleven 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.

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: 1

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			76	17	563	67			29										752
Black Spruce			1																1
Cedar						29			13			63	4						109
Grass	88																		88
Lowlnd Brush	161																		161
Marsh	24																		24
Mx Swmp Cnfr					10				153			29		14					206
Paper Birch						3													3
Red Pine					4														4
Spruce Fir					4				34										38
Swamp Hrdwds								12	4	6									22
Tamarack														8					8
Upland Hdwds										8									8
Total	273		77	17	581	99		12	233	14		92	4	22					1424

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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: 1

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	752																										752
S Black Spruce		1																									1
C Cedar				109																							109
G Grass					88																						88
L Lowlnd Brush									161																		161
N Marsh											24																24
Q Mx Swmp Cnfr												206															206
B Paper Birch															3												3
R Red Pine																4											4
F Spruce Fir																			38								38
E Swamp Hrdwds																				22							22
T Tamarack																					8						8
M Upland Hdwds																								8			8
Total	752	1		109	88				161		24	206			3	4			38	22	8			8			1424

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 1

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7399 Cds	Hardwood	744 Cds
Hardwood	272 Mbf	Hardwood	25 Mbf
Softwood	4099 Cds	Softwood	426 Cds
Softwood	162 Mbf	Sum CutVol	1220 Cds
Sum TotVol	12366 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	72
1424			

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 1

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
1	A6	12	45	60	aspen (upland)	immature	final harvest	1		
comnts Fmd : Clearcut with reserves.										
48	Q6	30	72	45	mixed swamp conifer	immature	final harvest	1		
comnts Fmd : Leave clumps of conifer to be felled later and some individuals.										
49	A5	30	35	65	aspen (upland)	immature	final harvest	1		
comnts Fmd : Clearcut with reserves.										
402	G0	1			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
403	G0	1			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
404	G0	2			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
405	G0	1			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
406	G0	3			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
407	G0	2			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
408	G0	2			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
409	G0	1			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
410	G0	2			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
411	G0	1			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
412	G0	2			grass	nonstocked		0	planting	
comnts Fmd : mowing and/or planting										
414	G0	50			grass	nonstocked		0	opening maintenance	
comnts Fmd : "Canthook Landing" opening to managed with prescribed fire to control encroaching cherry and other trees.										
Total Acres.....		140								

**Proposed Treatments
With Limiting Factors**

Compartment: 1

Entry Year: 2009

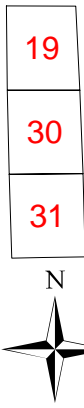
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:0

Total Acres..... 0

Field Map

Compartment 1
 T34N, R01W, Sec. 19, 30, 31
 County: Cheboygan
 Unit: Pigeon River
 YOE: 2009
 Acres: 1,424 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/21/2007
 Map Phase: Pre-review



Legend

- Miris Corners
- Gravel
- Open Roads
- Closed
- Water Features
- Stand Boundary
- 016 - Planting
- 027 - Opening Maintenance/Prescribed Burning
- 100 - Final Harvest

