



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

COMPARTMENT 28 ENTRY YEAR: 2009

Compartment Acreage: 2069 County: Cheboygan

Revision Date:

August 23, 2007

Stand Examiner:

Rick McDonald

Legal Description:

T33N - R01E sections 22, 23, 24, 27

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:

Flat to gently rolling. Soils are mostly Rubicon and Cheboygan sands.

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

Almost entirely state owned, except for a couple small ownerships.

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:

None identified.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 22, 23 & 27 - 29, 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 100 and 200 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 two miles to the north and potential is considered good on the uplands. This area was previously leased for oil and gas development in the Niagaran reef trend. Niagaran reef production and the Antrim Shale are both in this Compartment and there is additional oil and gas potential. Part of the Compartment is currently leased.

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. Some of the roads, however, have been closed to wheeled motorized vehicles with berms or posts. Some closures are in need of repair.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

No maintained recreational facilities exist within this 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. Some road systems are closed with berms or posts.

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: 28

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	154	254	124	249	10	80										35	982
Black Spruce				9															9
Cedar								7	115	22	11								155
Grass	56																		56
Jack Pine						37	38				11							41	127
Marsh	5																		5
Mx Swmp Cnfr										30	12								42
Non Stocked	18																		18
Oak									216										216
Paper Birch			4					15	4										23
Red Pine			14			77			175	26	47			3				8	350
Upland Brush	36																		36
Upland Hdwds																		46	46
Water	4																		4
Total	119	76	172	263	124	363	48	102	510	78	81			3				130	2069

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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: 28

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	982																										982
S Black Spruce		9																									9
C Cedar				155																							155
G Grass					56																						56
J Jack Pine							127																				127
N Marsh											5																5
Q Mx Swmp Cnfr												42															42
X Non Stocked													18														18
O Oak														216													216
B Paper Birch															23												23
R Red Pine																350											350
U Upland Brush																							36				36
M Upland Hdwds																								46			46
Z Water																									4		4
Total	982	9		155	56		127				5	42	18	216	23	350							36	46	4		2069

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **28**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8997 Cds	Hardwood	3026 Cds
Hardwood	1463 Mbf	Hardwood	355 Mbf
Softwood	8808 Cds	Softwood	1249 Cds
Softwood	2578 Mbf	Softwood	941 Mbf
Sum TotVol	25887 Cds	Sum CutVol	6867 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	386
2069			

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 28

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
27	R9	46	89	55	red pine	mature	shelterwood-seed	1		
33	A6	6	65	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Leave only Oak.										
37	A6	15	65	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Clearcut with reserves. Leave Oak										
46	R6	8	46	50	red pine	immature	thinning	1		
47	R9	26	87	60	red pine	mature	shelterwood-seed	1		
50	A6	34	67	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Clearcut with reserves. Leave Oak and mark some Pine in the heavy pockets for visual consideration.										
51	R6	2	46	60	red pine	immature	thinning	1		
comnts Fmd : Third row thinning										
58	R6	60	46	50	red pine	immature	thinning	1		
64	M6	46		60	northern hardwood	unevenaged	selection	1		
65	A9	25	64	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Clearcut with reserves. Leave Oak and large Pine and some uncut islands for visual consideration.										
67	A6	28	47	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Clearcut with reserves										
72	A6	8	47	60	aspen (upland)	mature	final harvest	1		
85	R9	20	72	60	red pine	mature	shelterwood-seed	1		
86	A6	35		50	aspen (upland)	unevenaged	final harvest	1		
comnts Fmd : Leave 10 sq. ft. of pine retention.										
91	R9	27	70	55	red pine	mature	shelterwood-seed	1		
comnts Fmd : Hit upper arm harder to encourage mix stand. Take BA to 30 sq. Ft.										
400	G0	3			grass	nonstocked		0	planting	
comnts Fmd : Old oil well site. Restoration to reforested state.										
405	G0	2			grass	nonstocked		0	planting	
comnts Fmd : Old oil facility. Restoration to reforested state.										
406	G0	2			grass	nonstocked		0	planting	
comnts Fmd : Old oil well site. Restoration to reforested state.										

Total Acres..... 393

**Proposed Treatments
With Limiting Factors**

Compartment: 28

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:

Total Acres..... 0

Field Map

Compartment 28
 T33N, R01E, Sec. 22-24, 27
 County: Cheboygan
 Unit: Pigeon River
 YOE: 2009
 Acres: 2,069 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/11/2007
 Map Phase: Pre-review

22	23	24
27		

Legend

- Miris Corners
- County Gravel
- Closed
- Poor Dirt
- Powerlines
- Pipelines
- Trails
- Water Features
- MCCCT Trails
- Hiking Trails
- Stand Boundary
- 016 - Planting
- 100 - Final Harvest
- 300 - Shelterwood - seed
- 400 - Thinning
- 800 - Selection

