



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

COMPARTMENT # 46 ENTRY YEAR: 2008

Compartment Acreage: 1752 County: Ostego

Revision Date: 8/10/2006

Stand Examiner: Don Mittlestat

Legal Description: T31N R1W Sections 4, 9, and 16

RMU (if applicable):

Management Goals:

Maintain the current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

The uplands in this compartment vary from Roselawn and Rubicon sands to Emmet loams. The lowlands are predominately rifled peats.

Terrain west of House's Lost Cabin Road is primarily coniferous swamp. The rest of this compartment is generally rolling uplands with pine and hardwood types.

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

This compartment is a solid block of state land except for a forty and an eighty block in section 4. This compartment has been developed by the oil and gas industry quite extensively

Unique, Natural Features:

A large portion of the black river swamp is in this compartment.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Green's Creek a tributary to Black River has it's headwaters in this compartment.

Wildlife Habitat Considerations:

About 2/3 of this compartment is the Black River swamp which is used as a winter deeryard in hard winters. The upland portions of this area are used by elk and the management prescriptions will maintain early sucessional habitat and oak.

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 600 and 800 feet. Beneath the glacial drift are the Devonian Berea Sandstone, Bedford and Antrim Shales. The Antrim is quarried for cement products elsewhere in the State. An inactive gravel pit is located three miles to the northwest and potential is good on the upland areas. This area is currently leased for Niagaran oil and gas development and several wells were drilled and are still producing oil and gas. Additional Niagaran reefs may be located in the Compartment and the Antrim Shale is present and also has potential. The closest Antrim production is just to the southeast.

Consistent with the objectives of the Concept of Management there are no plans to engage in mining activities (sand, gravel, stone, etc.) in this Compartment. Consistent with the "Final Drilling Plan" for Unit 1, no additional oil and gas development will occur, including in the Antrim Shale.

Vehicle Access:

There is good access to this compartment. Roads designated to be closed to wheeled motorized traffic are still closed

Survey Needs:

None

Recreational Facilities and Opportunities:

None

Fire Protection:

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

OTSEGO COUNTY

COMPARTMENT: 46

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		3	19	59	11				10	31									133
Black Spruce										10									10
Grass	46																		46
Jack Pine					5														5
Lowlnd Brush	32																		32
Mx Swmp Cnfr				2								1156							1158
Non Stocked	7																		7
Oak									65										65
Red Pine											5	45							50
Upland Hdws			4	7	19				32	28	13								103
White Pine			29						26	42		30	16						143
Total	85	3	52	68	35				133	111	18	1231	16						1752

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 46

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	133																										133
S Black Spruce		10																									10
G Grass					46																						46
J Jack Pine							5																				5
L Lowlnd Brush									32																		32
Q Mx Swmp Cnfr												1158															1158
X Non Stocked													7														7
O Oak														65													65
R Red Pine																36										14	50
M Upland Hdwds	4																							99		103	
W White Pine																										143	143
Total	137	10			46		5		32			1158	7	65		36								99		157	1752

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **46**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2826 Cds	Hardwood	501 Cds
Hardwood	348 Mbf	Hardwood	17 Mbf
Softwood	12793 Cds	Softwood	312 Cds
Softwood	1147 Mbf	Softwood	6 Mbf
Sum TotVol	18609 Cds	Sum CutVol	859 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1752		42	

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 46

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
22	R9	5	91	50	red pine	immature	thinning	3		
comnts Fmd : 1995 SELECTIVLY THIN VERY LIGHTLY. 2006 RED PINE STAND ON A HILL SIDE.										
24	A6	6	78	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : 2006 STAND REPRODUCTION COULD BE AFFECTED BY ELK BROWSING.										
32	A5	5	78	46	aspen (upland)	low quality	final harvest	1		
comnts Fmd : 2006 THERE IS HAWTHORN GROWING IN THIS STAND SOME IN NICE PATCHES. IF THIS STAND IS CUT PROTECT THE HAWTHORN .										
36	A6	7	78	65	aspen (upland)	mature	final harvest	3		
comnts Fmd : 2006 THIS STAND HAS SOME FAIRLY STEEP SLOPES. TO NOT CUT THE OAK. IF THIS STAND IS CUT THE ASPEN MAY HAVE TROUBLE REGENERATING DUE TO BROWSING.										
37	A5	3	78	46	aspen (upland)	low quality	final harvest	1		
42	A6	1	78	46	aspen (upland)	low quality	final harvest	1		
comnts Fmd : 2006 THIS IS A SMALL STAND BUT MIGHT BE ABLE TO EXPAND A LITTLE BY CUTTING SOME BLACK SPRUCE ALONG THE EDGES OF THE MAIN STAND.										
55	W6	5	98	50	white pine	mature	shelterwood-seed	1		
comnts Fmd : 2006 COULD HARVEST SOME OF WHITE PINE TOO. REMOVE JACK PINE AND ANY HARDWOODS AS WELL. HARVEST WITH STAND 59.										
59	S6	10	85	50	black spruce-swamp	immature	final harvest	1		
comnts Fmd : 2006 AFTER LAYING THIS STAND OUT FOR SALE ACREAGE MAY NOT BE WHAT IT IS ON STAND MAP. COULD PUSH THIS STAND INTO WEST SIDE OF ST. 58 A LITTLE. WOULD EXPECT SPRUCE, FIR , WHITE PINE, RED MAPLE AND OTHER SWAMP CONIFERS TO REGENERATE IN THIS STAND.										
Total Acres.....		42								

**Proposed Treatments
With Limiting Factors**

Compartment: 46

Entry Year: 2008

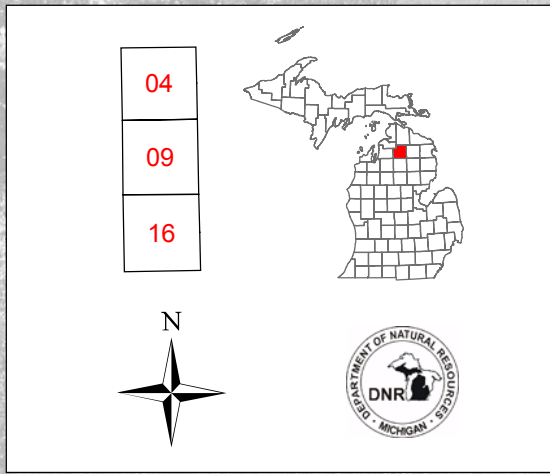
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 46
 T31N, R01W, Sec. 4, 9, 16
 County: Ostego
 Unit: Pigeon River
 YOE: 2008
 Acres: 1,752 GIS Calculated
 Stand Examiner: Don Mittlestat
 Map Revised: 6/15/2006
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - - - County Gravel Roads
 - Gravel Roads
 - - - Closed Roads
 - Pipelines
 - Water Features
 - Oil Wells
 - Stand Boundary
 - 100 - Final Harvest
 - 300 - Shelterwood-Seed
 - 400 - Thinning

