



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

COMPARTMENT # 30 ENTRY YEAR: 2009

Compartment Acreage: 1922 County: Otsego

Revision Date: 8/23/2007

Stand Examiner: Don Mittlestat

Legal Description: T32N R2W Sections 2, 11, and 14

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 soils in this compartment are predominately Roselawn and Rubicon sands.
Topography is dominated by rolling uplands with small wetland found within the water influence zones.

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

This compartment is a solid block of state land, bordered by private land to the north and south.

Unique, Natural Features:

A scenic overlook of the Sturgeon River Valley is located on Pickerel Lake Road.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

A scenic overlook of the Sturgeon River Valley is located on Pickerel Lake Road.

Watershed and Fisheries Considerations:

Pickerel Lake is a designated trout lake. The Little Pigeon River passes through the northeast corner of the compartment which is part of the natural river system of the Pigeon River. Pickerel Creek flows out of Pickerel Lake. An unnamed creek flows through the west part of Section 14.

Wildlife Habitat Considerations:

See wildlife comments.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. Gravel pits are located two miles to the north and potential is considered good. This area was previously leased for Niagaran oil and gas development but is four miles north of the Niagaran reef trend. The Antrim Shale is present and may have potential. The closest Antrim production is one mile to the west.

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. A couple of berms need to be redone as vehicles are driving over or around them.

Survey Needs:

None

Recreational Facilities and Opportunities:

Pickerel Lake State Forest Campground and an associated hiking trail are located on Pickerel Lake. A designated offsite horse camp #9 is also located in the compartment in stand 37.

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: 30

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		71	114	73	453	44			74		16								845
Grass	44																		44
Jack Pine				32	43	3		72	100	70									320
Lowlnd Brush	3																		3
Marsh	23																		23
Mx Swmp Cnfr											57								57
Oak					6					38	132								176
Red Pine					2				41	15	7								65
Upland Brush	22			3	20														45
Upland Hdwds			37	4					13	157									211
Water	48																		48
White Pine									25	10	41				9				85
Total	140	71	151	112	524	47		72	253	290	253				9				1922

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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: 30

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	845																										845	
G Grass					44																						44	
J Jack Pine							320																				320	
L Lowlnd Brush									3																		3	
N Marsh											23																23	
Q Mx Swmp Cnfr												57															57	
O Oak														176													176	
R Red Pine																65											65	
U Upland Brush																									45		45	
M Upland Hdwds																									211		211	
Z Water																									48		48	
W White Pine																										85	85	
Total	845				44		320		3		23	57		176		65								45	211	48	85	1922

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **30**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8766 Cds	Hardwood	1780 Cds
Hardwood	1396 Mbf	Hardwood	171 Mbf
Softwood	3294 Cds	Softwood	1531 Cds
Softwood	1268 Mbf	Softwood	385 Mbf
Sum TotVol	17388 Cds	Sum CutVol	4423 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	324
1922			

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 30

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
7	J5	72	63	45	jack pine	sparse	final harvest	3		
comnts Fmd : 2007 THIS IS A VARIABLE STAND WITH A LOT OF POCKETS OF U. PROTECT HAWTHORN. LEAVE RED PINE AND ANY OAK FOR RETENTION. WOULD EXPECT JACK, RED, AND WHITE PINE AS WELL AS RED MAPLE, OAK AND ASPEN TO REGENERATE.										
18	J5	8	72	55	jack pine	mature	final harvest	3		
comnts Fmd : 2007 USED OLD DATA										
24	J4	11	72	55	jack pine	mature	final harvest	3		
comnts Fmd : 2007 SOME OAK LESS THAN 10 BA. STAND IS VARIABLE, POCKETS OF M1 AND J1. LEAVE OAK AND ANY RED OR WHITE PINE FOR RETENTION. JACK, RED AND WHITE PINE AS WELL AS RED MAPLE ASPEN AND OAK WILL BE ACCEPTABLE AS REPRODUCTION FOR THIS STAND.										
29	R8	4	72	60	red pine	mature	seed tree	3		
comnts Fmd : 2007 DO NOT CUT ANY OAK OR ASPEN IN THE STAND. RED, WHITE AND JACK PINE AS WELL AS ASPEN RED MAPLE AND OAK WOULD BE ACCEPTABLE FOR REPRODUCTION.										
43	O6	22	97	50	oak	mature	final harvest	3		
comnts Fmd : 2007. LEAVE ANY WHITE PINE SAWLOG TREES. A MIXTURE OF SPECIES WILL BE ACCEPTABLE FOR REPRODUCING THE STAND, SUCH AS OAK, RED MAPLE, ASPEN, AND RED WHITE AND JACK PINE. THIS WILL BE A CLEARCUT WITH RESERVES. CUT ABOUT HALF OF THE OAK IN THIS STAND.										
45	A5	16	97	50	aspen (upland)	mature	final harvest	3		
comnts Fmd : 2007 LEAVE RED PINE AND ABOUT 10 TO 15 BA OF OAK FOR RETENTION AND VISUAL										
49	J5	7	85	55	jack pine	low quality	final harvest	3		
comnts Fmd : 2007 It was agreed to at the Pre-review that there would be no retention or residual for this stand.										
56	O9	6	96	50	oak	low quality	selection	3		
comnts Fmd : 2007 THERE ARE SOME SPOTS WITH PRETTY GOOD OAK SAPS THAT MIGHT BE ABLE TO BE RELEASED BY THINNING. LEAVE THE ASPEN IN THE STAND FOR WILDLIFE. THE QUALILTY OF THE OAK IS NOT VERY GOOD.										
64	O6	12	96	50	oak	low quality	thinning	3		
66	J4	6	85	55	jack pine	mature	final harvest	3		
comnts Fmd : 2007 LEAVE ANY OAK OR WHITE PINE THAT MIGHT BE IN THE STAND.										
72	A6	14	73	60	aspen (upland)	mature	final harvest	2		
comnts Fmd : 2007 APPEARS TO BE SOME KIND OF DRAINAGE IN STAND BY PICKEREL LAKE Rd. This would be a good place for retention. ITDOESN'T APPEAR TO BE AT ALL WET. LEAVE OAK.										
78	A6	48	68	50	aspen (upland)	mature	final harvest	1		
comnts Fmd : 2007 LEAVE ISLANDS OF TREES OR GROUPS OF RED PINE AND OAK										
87	O5	13	96	50	oak	mature	shelterwood-seed	3		
comnts Fmd :										
89	U1	10	34	50	upland brush	sparse		0	opening maintenance	
comnts Fmd : 2007 THERE ARE PATCHES OF J3 TO J4 THRU OUT THE STAND. WILDLIFE WOULD LIKE TO INCLUDE THIS STAND WITH TIMBER SALE IF POSSIBLE TO GET TREES CUT OR HARVESTED IN THIS U TYPE.										
92	U1	4	34	50	upland brush	sparse		0	opening maintenance	
comnts Fmd : 2007 STAND HAS POCKETS OF J4, AND J1, AS WELL AS SOME CHERRY . WILDLIFE WOULD LIKE TO HAVE TREES CUTOR HARVESTEDIN THIS STAND AS PART OF A TIMBER SALE IF POSSIBLE.										
97	J5	26	72	50	jack pine	mature	final harvest	3		
comnts Fmd : 2007 RED, WHITE AND JACK PINE AS WELL AS RED MAPLE ASPEN AND OAK ARE ACCEPTABLE SPECIES TO REPRODUCE THE STAND.										

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 30

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
99	J6	42	72	50	jack pine	mature	final harvest	3		
comnts Fmd : 2007 MUCH OF THE JACK PINE HAS DIED AND FALLEN DOWN. LEAVE ISLANDS OF RED PINE, AND ANY OAK OR WHITE PINE THAT MIGHT BE THERE. RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK ARE ACCEPTABLE SPECIES TO REPRODUCE THE STAND. THIS HARVEST WILL BE A CLEARCUT WITH RESERVES. LEAVE A 30 TO 60 FOOT BUFFER WHERE NEEDED ALONG STAND 102.										
103	O9	17	78	55	oak	mature	shelterwood-prep	3		
comnts Fmd : 2007 MAKE THIS STAND 20 ACRES MORE OR LESS. RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK ARE ACCEPTABLE SPECIES TO REPRODUCE THE STAND.										
401	G0	4			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
402	G0	11			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
403	G0	3			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
404	G0	5			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
405	G0	2			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
406	G0	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
407	G0	2			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
408	G0	3			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
409	G0	3			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
410	G0	4			grass	nonstocked		0	opening maintenance	
comnts Fmd : MANAGED WILDLIFE OPENING.										
Total Acres.....		376								

**Proposed Treatments
With Limiting Factors**

Compartment: 30

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

