



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

**COMPARTMENT # 51 ENTRY YEAR: 2009**

**Compartment Acreage: 1249      County: Montmorency**

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**Revision Date: 8/23/2007**

**Stand Examiner: Don Mittlestat**

**Legal Description: T32N R1E Sections 5, 6, 7 and 8**

**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 Rubicon sands in the uplands. The lowlands are primarily organic peats.

Topography is generally flat to gently rolling uplands. The uplands are predominately oak and aspen which is not of very good quality. The lowlands are primarily swamp conifers.

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

This compartment is a solid block of state land, with exception of the 160 acre 4-40 Club. The Black River Ranch borders the compartment on the East side.

**Unique, Natural Features:**

None

**Archeological, Historical, and Cultural Features:**

None

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

Steward Creek flows through the southern portion of the compartment. Numerous tributaries to the Black River originate in the compartment.

**Wildlife Habitat Considerations:**

See wildlife comments.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 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 three miles to the west and potential is considered good on the uplands. A portion of this area is leased for oil and gas development in the Niagaran reef trend. No Niagaran reefs are located in the

Compartment, but additional reefs may be located here. The Antrim Shale appears to be present and locations are located on private lands.

The minerals are owned by a private individual at this time and they may be developed.

**Vehicle Access:**

There is good access to this compartment. A berm needs to be redone as vehicles are driving over or around it.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

There are not Recreational Facilities in this compartment.

**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

MONTMORENCY COUNTY

COMPARTMENT: 51

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		47		191	39	26				26									329
Black Spruce											7								7
Grass	8																		8
Jack Pine									8										8
Lowlnd Brush	10																		10
Marsh	38																		38
Mx Swmp Cnfr			32	20					51	101					4	148			356
Oak										98	65								163
Red Pine				52							3								55
Spruce Fir					20						5								25
Swamp Hrdwds									105						8				113
Upland Brush	8	5					8												21
Upland Hdwds			9	9			6		61	5									90
White Pine					1					25									26
<b>Total</b>	<b>64</b>	<b>52</b>	<b>41</b>	<b>272</b>	<b>60</b>	<b>26</b>	<b>14</b>		<b>225</b>	<b>255</b>	<b>80</b>				<b>12</b>	<b>148</b>			<b>1249</b>

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 51

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	329																										329	
S Black Spruce		7																									7	
G Grass					8																						8	
J Jack Pine							8																				8	
L Lowlnd Brush									10																		10	
N Marsh											38																38	
Q Mx Swmp Cnfr												356															356	
O Oak														163													163	
R Red Pine																55											55	
F Spruce Fir																			25								25	
E Swamp Hrdwds																			113								113	
U Upland Brush					1																			20			21	
M Upland Hdwds																								90			90	
W White Pine																										26	26	
<b>Total</b>	329	7			9		8		10		38	356		163		55			25	113				20	90		26	1249

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: **51**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5182 Cds	Hardwood	678 Cds
Hardwood	417 Mbf	Hardwood	112 Mbf
Softwood	4626 Cds	Softwood	87 Cds
Softwood	406 Mbf	Softwood	17 Mbf
Sum TotVol	11454 Cds	Sum CutVol	1023 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1249		161	

**PIGEON RIVER COUNTRY MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 51**

**Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
34	O5	16	92	50	oak	immature	thinning	3			
comnts Fmd : 2007 WHITE PINE UNDERSTORY GETS VERY THICK AS YOU GO WEST IN THE STAND.											
46	O8	43	92	50	oak	immature	shelterwood-prep	1	planting		
comnts Fmd : 2007 LEAVE 30-40 BA. LEAVE ALL WHITE OAK AND OTHER SP. OF OAK AND ANY WHITE PINE. OPEN SOME SPOTS UP TO PLANT JACK PINE. TRENCH AND SEED/PLANT WITH WHITE PINE AND JACK PINE. SEED JACK PINE IN PATCHES IN OPEN AREAS.											
52	O5	34	81	50	oak	immature	selection	3			
comnts Fmd : 2007 THERE ARE SOME PATCHES OF WHITE PINE UNDERPLANTED IN THIS STAND ESP. TO THE SW. A GOOD PORTION OF THIS STAND IS ON A HILL SIDE. LEAVE 30-40 BA. LEAVE ALL WHITE OAK AND OTHER SP. OF OAK AND ANY WHITE PINE. OPEN SOME SPOTS UP TO PLANT JACK PINE. TRENCH AND SEED/PLANT WITH WHITE PINE AND JACK PINE. SEED JACK PINE IN PATCHES IN OPEN AREAS. TO NOT TRENCH AREAS ALREADY UNDERPLANTED											
56	O5	20	81	50	oak	immature	selection	3			
comnts Fmd : 2007 THERE IS SOME WHITE PINE IN THE UNDERSTORY WHICH LOOKS TO BE NATURAL. LEAVE 30-40 BA. LEAVE ALL WHITE OAK AND OTHER SP. OF OAK AND ANY WHITE PINE. OPEN SOME SPOTS UP TO PLANT JACK PINE. TRENCH AND SEED/PLANT WITH WHITE PINE AND JACK PINE. SEED JACK PINE IN PATCHES IN OPEN AREAS. DO NOT TRENCH AREAS ALREADY PLANTED.											
66	R9	3	88	70	red pine	immature	shelterwood-prep	3			
comnts Fmd : 2007 THIS STAND IS MUCH LARGER IN THE COMPARTMENT TO THE SOUTH C-59. TREAT WHEN THE STAND TO THE SOUTH IS TREATED.											
67	O6	6	91	50	oak	immature	shelterwood-prep	3			
comnts Fmd : 2007 TREAT THIS STAND WITH C-59 MOST OF THE STAND IS IN C-59.											
70	J5	8	72	50	jack pine	mature	final harvest	1			
comnts Fmd : 2007 RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK WOULD BE ACCEPTABLE SPECIES FOR REPRODUCTION.											
71	A5	15	80	50	aspen (upland)	mature	final harvest	1			
comnts Fmd : 2007 DO NOT CUT OAK. THIS STAND MAY OVERLAP INTO C-59 IF IT DOES HARVST THIS PART TOO. RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK WOULD BE ACCEPTABLE SPECIES FOR REPRODUCTION.											
73	M4	5	80	50	northern hardwood	sparse	final harvest	3			
comnts Fmd : 2007 Expand stand into stand 74, if possible. RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK AS WELL AS OTHER SPECIES WOULD BE ACCEPTABLE SPECIES FOR REPRODUCTION.											
76	A5	11	80	50	aspen (upland)	mature	final harvest	1			
comnts Fmd : 2007 DO NOT CUT OAK OR WHITE PINE. THERE IS QUITE A BIT OF JACK PINE ON THE NORTH EDGE OF THE STAND. RED, WHITE AND JACK PINE AS WELL AS ASPEN, RED MAPLE AND OAK WOULD BE ACCEPTABLE SPECIES FOR REPRODUCTION.											
400	G0	3			grass	nonstocked		0	opening maintenance		
401	G0	5			grass	nonstocked		0	opening maintenance		
comnts Fmd : 2007 CREATED WILDLIFE OPENING.											
<b>Total Acres.....</b>		<b>169</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 51**

**Entry Year: 2009**

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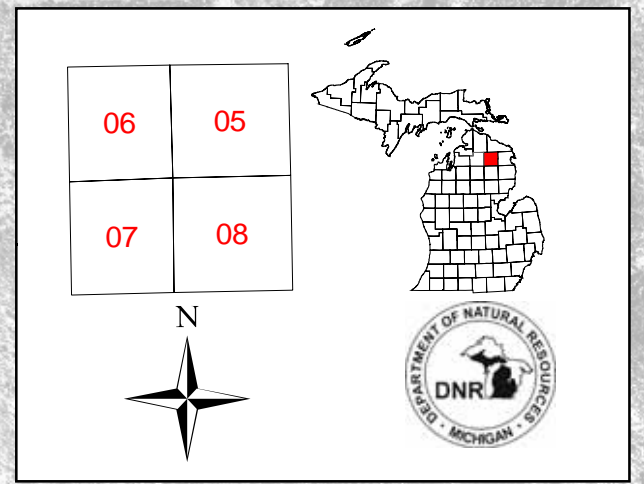
TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

# Field Map

Compartment 51  
 T32N, R01E, Sec. 5, 6, 7, 8  
 County: Montmorency  
 Unit: Pigeon River  
 YOE: 2009  
 Acres: 1,249 GIS Calculated  
 Stand Examiner: Don Mittlestat  
 Map Revised: 6/21/2007  
 Map Phase: Pre-review



## Legend

- Miris Corners
- - - Poor Dirt, County
- - - Closed,
- Water Features
- Stand Boundary
- 026 - Opening Maintenance
- 100 - Final Harvest
- 400 - Thinning
- 700 - Shelterwood - prep
- 711 - Shelterwood - prep/Planting/Hand Tools
- 800 - Selection

