



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

**COMPARTMENT # 42 ENTRY YEAR: 2007**

**Compartment Acreage: 1755      County: Otsego**

---

**Revision Date: 8/11/2005**

**Stand Examiner:** Don Mittlestat

**Legal Description:** T32N R1W Sections 31, 32 and 33

**RMU (if applicable):**

**Management Goals:** Maintain the current species mix and apply appropriate management techniques to stands of timber in need of treatment.

**Soil and Topography:**

Soils in the Black River Swamp are generally organic types. The soils in the rest of the compartment are Rubion and Roselawn sands. The topography is flat to gently rolling.

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

This compartment is mostly in state ownership with private property in sections 32 and 33 along the Black river. There are also some private property bordering the south edge of section 33 and the west and northwest part of section 31. There are two producing oil wells in this compartment and gas and oil development south of the compartment.

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

The Black River swamp is large unbroken area.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):**

None identified.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

An access site to the Black river exists at McKinnon's bend.  
The Black river is designated as a natural river.

**Wildlife Habitat Considerations:**

A Wildlife representative will be available at the open house and compartment review.

**Mineral Resource and Development Concerns and/ or Restrictions: Compartment 42 Sections 31 - 33, T32N-R1W, Otsego County**

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and minor coarse-textured glacial till. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. An inactive gravel pit is located in Section 30 and potential is considered good on the upland areas. This area was previously leased for Niagaran oil and gas development and production was found in Section 31. Additional Niagaran reefs may be located in the Compartment. The Antrim Shale is present and has potential. The closest Antrim production is adjacent to the southwest.

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:**

The vehicle access plan needs to be updated. There is an open road without a number.

**Survey Needs:**

None needed.

**Recreational Facilities and Opportunities:**

McKinnon's Bend fishing access is on the Black river.

**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**

06/13/2005 8:24:49 AM

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 42

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS													All Aged	Total			
	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
Aspen		71	3	44	121			3	37	2									281
Bog or Marsh	3																		3
Grass	12																		12
Jack Pine		89	12	4	176			38	27	10									356
Lowlnd Brush	82																		82
Mx Swmp Cnfr										22		455							477
Oak						5				19									24
Red Pine									256	173									429
Swamp Hrdwds								19											19
Upland Brush	7																		7
Upland Hdwds				6		16			14	10								7	53
White Pine				4						8									12
<b>Total</b>	<b>104</b>	<b>160</b>	<b>15</b>	<b>58</b>	<b>297</b>	<b>21</b>		<b>60</b>	<b>334</b>	<b>244</b>		<b>455</b>						<b>7</b>	<b>1755</b>

06/13/2005 8:24:55 AM

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 42

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	279																									2	281	
V Bog or Marsh			3																								3	
G Grass					8		4																				12	
J Jack Pine							352																			4	356	
L Lowlnd Brush									82																		82	
Q Mx Swmp Cnfr												477															477	
O Oak														24													24	
R Red Pine																386										43	429	
E Swamp Hrdwds																				19							19	
U Upland Brush																								7		7		
M Upland Hdwds	3																								21	29	53	
W White Pine																										12	12	
<b>Total</b>	<b>282</b>		<b>3</b>		<b>8</b>		<b>356</b>		<b>82</b>			<b>477</b>		<b>24</b>		<b>386</b>				<b>19</b>				<b>7</b>	<b>21</b>		<b>90</b>	<b>1755</b>

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 42

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3480 Cds	Hardwood	1590 Cds
Hardwood	102 Mbf	Hardwood	3 Mbf
Softwood	9674 Cds	Softwood	1459 Cds
Softwood	3887 Mbf	Softwood	1040 Mbf
Sum TotVol	21132 Cds	Sum CutVol	5135 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	317
1755			

**PIGEON RIVER COUNTRY MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 42**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
13	J5	4	68	45	jack pine	mature	seed tree	3		
comnts Fmd : 2005 LEAVE SOME RED PINE FOR SEED SOURCE AND DIVERSITY.										
16	A6	3	65	57	aspen (upland)	mature	final harvest	1		
17	J6	16	65	60	jack pine	mature	seed tree	1		
comnts Fmd : 2005 MARK SOME RED PINE TO LEAVE FOR A SEED SOURCE.										
18	R6	2	73	57	red pine	immature	thinning	1		
24	J5	22	65	60	jack pine	mature	seed tree	3		
26	J6	6	80	60	jack pine	mature	seed tree	1		
comnts Fmd : 2005 MARK SOME RED AND WHITE PINE TO LEAVE FOR SEED.										
27	R9	13	84	55	red pine	mature	shelterwood-prep	1		
28	R8	22	84	55	white pine	mature	seed tree	1		
38	R9	5	85	57	red pine	mature	shelterwood-seed	1		
43	J5	7	75	60	jack pine	mature	seed tree	2		
comnts Fmd : 1995 LEAVE NICE LOOKING RED PINE AND JACK PINE SEED TREES. 2005 LEAVE THE RED PINE FOR A SEED SOURCE.										
46	R9	55	85	57	red pine	immature	shelterwood-seed	1		
comnts Fmd : 2005 DO NOT CUT THE OAK, AND LEAVE THE ASPEN FOR SNAGS.										
51	R6	7	75	60	white pine	mature	seed tree	3		
55	J6	7	68	54	jack pine	mature	final harvest	1		
comnts Fmd : 2005 LEAVE RED AND WHITE PINE FOR ADDITONAL SEED SOURCE.										
57	R9	13	84	53	white pine	immature	seed tree	3		
comnts Fmd : 2003 CHANGED ACREAGE WHILE UPDATING.										
60	J5	9	68	54	jack pine	mature	seed tree	1		
comnts Fmd : 2005 LEAVE RED AND WHITE PINE FOR ADDITONAL SEED SOURCE.										
68	A6	27	68	53	aspen (upland)	mature	seed tree	1		
comnts Fmd : 1995 WHEN SETTING UP THIS STAND, ALSO INCLUDE STAND #1 IN COMPARTMENT #45 ADJACENT TO THE SOUTH. THAT STAND WAS APPROVED FOR CUTTING BUT IT IS TOO SMALL TO DO BY ITSELF. 2005 DO NOT CUT OAK. MARK TREES TO LEAVE AND BE CUT AFTER THE TIMBER SALE. NNOTE THAT THE NOTE FROM 1995 TO CUT STAND 1 IN COMP. 45 HAS BEEN SET UP FOR SALE PREVIOUSLY.										
72	R9	27	73	57	red pine	immature	selection	3		
comnts Fmd : 2003 CHANGED ACREAGE WHILE UPDATING. 2005LEAVE SOME OF THE "OLD" RED PINE, ESP. THE FIRE SCARRED ONES. LEAVE SOME ASPEN FOR SNAGS. OPEN THE STAND UP FOR THE YOUNGER RED PINE IN THE STAND.										

**PIGEON RIVER COUNTRY MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 42**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
<b>74</b>	<b>R6</b>	13	73	57	red pine	immature	shelterwood-prep	3			
comnts Fmd : 2005 LEAVE SOME ASPEN FOR SNAGS.											
<b>75</b>	<b>A6</b>	3	71	57	aspen (upland)	mature	final harvest	1			
comnts Fmd : 2005 DO NOT CUT WHITE PINE OR OAK. EXPAND THIS STAND PER WILDLIFE BIOLOGIST.											
<b>76</b>	<b>R6</b>	48	71	63	red pine	immature	shelterwood-prep	1			
comnts Fmd : 2005 DO NOT CUT ANY OAK OR WHITE PINE IN THIS STAND. THIS STAND EXTENDS INTO COMPARTMENT 45 . TREAT THE WHOLE STAND AT THIS TIME											
<b>77</b>	<b>M6</b>	3	68	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : 1995 AT THE REVIEW FOR COMPARTMENT #45 ADJACENT TO THE SOUTH, IT WAS DETERMINED TO CUT THIS STAND IN 2003 ALONG WITH STAND #9 IN COMPARTMENT #45. 2005 THIS STAND HAS BEEN SET UP FOR SALE WITH STANDS IN COMP 45 PER RREVIEW NOTES.											
<b>82</b>	<b>A5</b>	5	68	65	aspen (upland)	immature	final harvest	3			
<b>401</b>	<b>G0</b>	1			jack pine	nonstocked		0	planting		
comnts Fmd : 2005 ABANDONED WELL SITE, WITH SWEET FERN, ST. JOHNS WART AND SPOTTED KNAPWEED. THIS ABONDONED WELL SITE WILL BE REFORESTED WITH TREES FROM THE SURROUNDING AREA.											
<b>402</b>	<b>G0</b>	1			jack pine	nonstocked		0	planting		
comnts Fmd : 2005 ABANDONED WELL SITE, WITH SWEET FERN, ST. JOHNS WART AND SPOTTED KNAPWEED. THIS SITE WELL BE REFORESTED WITH TREES FROM THE SURROUNDING AREA.											
<b>403</b>	<b>G0</b>	2			jack pine	nonstocked		0	planting		
comnts Fmd : 2005 ABANDONED WELL SITE, WITH SWEET FERN, ST. JOHNS WART AND SPOTTED KNAPWEED. THIS SITE WILL BE REFORRESTED WITH TREES FROM THE SURROUNDING AREA.											
<b>406</b>	<b>G0</b>	1			grass	nonstocked		0	planting		
comnts Fmd : 2005 ABANDONED WELL SITE, WITH SWEET FERN, ST. JOHNS WART AND SPOTTED KNAPWEED											
<b>407</b>	<b>G0</b>	2			grass	nonstocked		0	planting		
comnts Fmd : 2005 ABANDONED WELL SITE, WITH SWEET FERN, ST. JOHNS WART AND SPOTTED KNAPWEED											
<b>Total Acres.....</b>		<b>324</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 42**

**Entry Year: 2007**

---

<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>
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

---

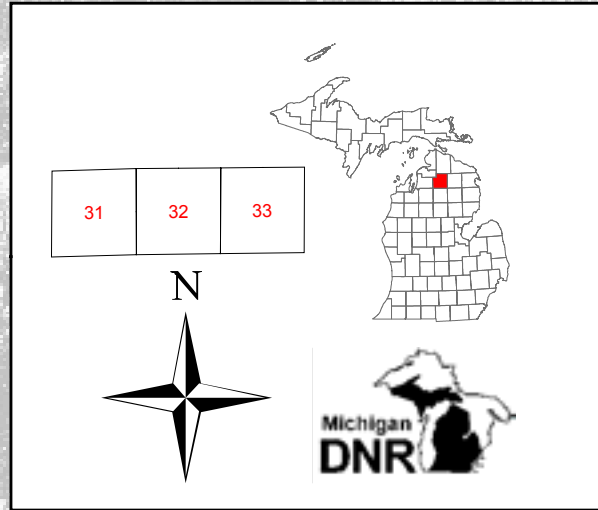
TREATMENT LIMITING FACTORS:

---

Total Acres..... 0

# Field Map

Compartment 42  
 T32N, R1W, Sec. 31-33  
 County: Otsego  
 Unit: Pigeon River Country  
 YOE: 2007  
 Acres: 1,755 GIS Calculated  
 Stand Examiner: Don Mittlestat  
 Map Revised: 6/09/2005  
 Map Phase: Pre-review



### Legend

RLS Corners	Stand Boundary
Miris Corners	011 - Planting/Hand tools
Closed Roads	016 - Planting
Trails	100 - Final harvest
Powerlines	200 - Seed tree
Pipelines	300 - Shelterwood-seed
Buried Cable	400 - Thinning
Fishing Access Site	700 - Shelterwood-prep
Oil Wells (Active)	800 - Selection

NamePublic Dirt  
 NameTrails  
 NameWater Features

