



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 45 ENTRY YEAR: 2008

Compartment Acreage: 1,772 County: Montmorency

Revision Date: December 19, 2006

Stand Examiner: Cody Stevens

Legal Description: T31N R02E Sec 15, 22-23, 26-27, 34-35

RMU (if applicable):

Management Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

Soil and Topography: The topography of the compartment is mainly level with the south end of the compartment being predominately swamp conifers while the northern portion of the compartment is a mixture of Oak, Aspen and Pine.

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

This compartment is surrounded by State land to the east and west. The northern edge is bordered by Elk Ridge Golf Course property. The compartment has some recreational use by ORV's and receives a large amount of use by Antrim Gas Companies.

Unique, Natural Features:

Some species are present in and around the compartment.

Archeological, Historical, and Cultural Features.

None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Fisheries Concerns is General:

Wildlife Habitat Considerations:

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 are the Devonian Berea Sandstone and Bedford and Antrim Shales. The Bedford and Antrim are quarried for cement products elsewhere in the State. A gravel pit is located in Section 23 and potential is good on the uplands. All of the Compartment is leased and most has been drilled and is producing gas from the Antrim Shale.

Vehicle Access:

This compartment is easily access from Highway M-33, and County Roads: DeCheau Lake Rd, Meaford Rd and Kellyville Rd. The northern portion of the compartment has several two tracks for traversing the area.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

There are many opportunities for hunting and wildlife viewing in the area. Areas along DeCheau Lake are used heavily for camping in the summer and State Parks Division maintains a boat launch on the lake.

Fire Protection:

Fire response to the compartment will be covered by the Atlanta DNR office as well as the Tri-Township Fire Department. Most of the compartment is easily accessible by County Roads and 2-track roads.

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

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 45

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			86		225	102	2	15											430
Cedar									143	59	40								242
Grass	115																		115
Jack Pine			6		39														45
Lowlnd Brush	58																		58
Lowlnd Poplr			13																13
Mx Swmp Cnfr									182	63	18	100							363
Non Stocked	22																		22
Red Pine								133	68										201
Spruce Fir					14														14
Tamarack										30									30
Treed Bog	16																		16
Upland Brush	18																		18
Upland Hdwds																		7	7
Water	99																		99
White Pine								32	48	19									99
Total	328		105		278	102	2	180	441	171	58	100						7	1772

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

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MONTMORENCY COUNTY

COMPARTMENT: 45

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	430																										430
C Cedar				242																							242
G Grass					115																						115
J Jack Pine							45																				45
L LowInd Brush									58																		58
P LowInd Poplr										13																	13
Q Mx Swmp Cnfr												363															363
X Non Stocked													22														22
R Red Pine																201											201
F Spruce Fir																			14								14
T Tamarack																					30						30
D Treed Bog																						16					16
U Upland Brush																								18			18
M Upland Hdwds																								7			7
Z Water																									99		99
W White Pine																										99	99
Total	430			242	115		45		58	13		363	22			201			14		30	16	18	7	99	99	1772

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: **45**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5644 Cds	Hardwood	1703 Cds
Hardwood	185 Mbf	Hardwood	85 Mbf
Softwood	11675 Cds	Softwood	556 Cds
Softwood	1402 Mbf	Softwood	92 Mbf
Sum TotVol	20493 Cds	Sum CutVol	2613 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1772		142	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 45

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
1	W6	48	77	48	white pine	mature	shelterwood-seed	2			
comnts Fmd : Follow BMP's along pond to west. Leave 50-70 BA of Residual. Shortwood to protect advanced white pine regen.											
20	A6	39	46	58	aspen (upland)	mature	final harvest	1			
comnts Fmd : Leave all Red and White Pine. Close 2-track going from 421 to 420. Some small dbh's mixed in. Scattered red maple and oak. Leave drumming logs.											
51	A6	9	64	56	aspen (upland)	mature	final harvest	1			
comnts Fmd : Leave all oak, red pine, white pine for visual. Protect white pine and oak regen.											
52	A6	6	64	56	aspen (upland)	mature	final harvest	1			
comnts Fmd : Leave all oak, red pine, white pine for visual. Protect white pine and oak regen.											
60	W9	19	86	51	white pine	mature	shelterwood-seed	2			
comnts Fmd : Cut all Red Maple, Aspen, Spruce and Jack Pine. Protect White Pine regen. Cut during winter to protect soils. North end of stand is Aspen/Jack Pine Mix.											
70	A6	1	46	54	aspen (upland)	immature	final harvest	1			
comnts Fmd : Stand includes small boat launch area maintained by State Parks. Stand is adjacent to DeCheau Lake and several PVT houses to the west. There is several areas where people camp throughout the summer. Scattered pine and hardwood. Leave all Red/White Pine for visual. Protect Boat Launch area.											
71	A6	4	46	54	aspen (upland)	immature	final harvest	1			
comnts Fmd : Stand includes small Day Use area maintained by State Parks. Scattered pine and hardwood. Leave all Red/White Pine for visual. Protect Day Use area. Try to include as much as possible to south and east for harvest.											
73	A6	16	46	54	aspen (upland)	immature	final harvest	1			
comnts Fmd : Scattered pine and hardwood. Leave all Red/White Pine for visual.											
Total Acres.....		142									

**Proposed Treatments
With Limiting Factors**

Compartment: 45

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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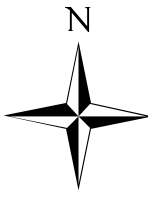

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 45
 T31N, R02E, Sec. 15, 22-23, 26-27, 34-35
 County: Montmorency
 Unit: Atlanta
 YOE: 2008
 Acres: 1,772 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 9/21/2006
 Map Phase: Pre-review

15	
22	23
27	26
34	35

Legend

- Miris Corners
- Highways
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Powerlines
- Berms
- Boat Launch Site
- State Highway
- ORV Trails
- Stand Boundary
- 100 - Final Harvest
- 300 - Shelterwood-seed

