



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT # 55 ENTRY YEAR: 2008

Compartment Acreage: 1170 County: Montmorency

Revision Date: December 19, 2006

Stand Examiner: Barber

Legal Description: T31N, R04E, Sec. 3-8

RMU (if applicable):

Management Goals: Mostly pine and oak management plus recreation and ORV control.

Soil and Topography: soils are generally sandy, except in the northeast and north central areas, which can contain a fair amount of clay. The north part of the compartment is hilly in places, others gently rolling to flat.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Subdivisions at Lake Avalon, Ess Lake, and Long Lake abut the compartment. Remaining lands are a mix of other state and hunting properties.

Unique, Natural Features (include only non-site specific and non-sensitive information): Reported near the compartment by MNFI.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: Adjacent urban development places heavy impacts on this parcel, especially from illegal ORV use.

Watershed and Fisheries Considerations: The lakes in and near this compartment are used heavy for fishing and other recreation. Brush Creek also passes through the compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of medium-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products elsewhere in the State. A gravel pit is located in Section 3 and potential appears to be good. Most of this Compartment is not leased or drilled for the Antrim Shale. Antrim development is possible, but this area is close to where the Antrim Shale disappears.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: Surveying will be required to prove trespass and also for timber sale preparation.

Recreational Facilities and Opportunities: Ess Lake Campground is popular with both visitors and local residents. Formal access sites are maintained at Ess, Avalon, and Long Lakes. It is also possible the access Beaver Lake.

Fire Protection: MDNR and Hillman VFD.

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: 55

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																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		All Aged
Aspen		17	102		41	8				22									190
Black Spruce										22									22
Bog or Marsh	10																		10
Cedar										26	13			24					63
Jack Pine		43	9																52
LowInd Brush	4																		4
LowInd Poplr					19														19
Non Stocked	13																		13
Oak									84	352	55								491
Red Pine								69	151										220
Spruce Fir			19																19
Swamp Hrdwds								14		6									20
Water	28																		28
White Pine										3								16	19
Total	55	60	130		60	8		83	235	431	68			24				16	1170

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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: 55

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	190																										190
S Black Spruce		22																									22
V Bog or Marsh			10																								10
C Cedar				63																							63
J Jack Pine							52																				52
L LowInd Brush									4																		4
P LowInd Poplr										19																	19
X Non Stocked													13														13
O Oak														491													491
R Red Pine																220											220
F Spruce Fir																			19								19
E Swamp Hrdwds																				20							20
Z Water																									28		28
W White Pine																										19	19
Total	190	22	10	63			52		4	19			13	491		220			19	20					28	19	1170

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: **55**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5853 Cds	Hardwood	2494 Cds
Hardwood	1720 Mbf	Hardwood	491 Mbf
Softwood	3103 Cds	Softwood	160 Cds
Softwood	1307 Mbf	Softwood	38 Mbf
Sum TotVol	15010 Cds	Sum CutVol	3712 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	360
1170			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 55

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	O9	58	69	61	oak	immature	thinning	1		
comnts Fmd : Remove maple and aspen. PArVVb. Avoid steep slope in north.										
12	A9	5	81	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : M2W1. Over mature in places. Leave oak, red pine, and white pine.										
13	O9	4	69	61	oak	immature	thinning	1		
comnts Fmd : Remove maple and aspen. PArVVb.										
14	A9	12	81	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : M2W1. Over mature in places. Leave oak, red pine, and white pine.										
23	O9	38	85	59	oak	immature	thinning	1		
comnts Fmd : Shortwood to protect residual and w2 understory.										
35	O9	21	85	59	oak	immature	thinning	1		
comnts Fmd : Shortwood to protect residual and w3 understory. Remove aspen and red maple. Becomes PArVHa near North Shore Drive.										
44	O6	87	82	59	oak	mature	final harvest	1		
comnts Fmd : W2O1. PArVHa. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present.										
72	O9	23	88	50	oak	mature	final harvest	1		
comnts Fmd : PVCd to PArVHa. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present.										
73	O9	18	88	50	oak	mature	final harvest	1		
comnts Fmd : PVCd to PArVHa. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present.										
81	O5	44	81	55	oak	mature	final harvest	1		
comnts Fmd : PVCd to PArVHa. O1W1Mr1. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present.										
84	O5	36	81	55	oak	mature	final harvest	1		
comnts Fmd : PVCd to PArVHa. O1W1Mr1. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present.										
Total Acres.....		346								

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 55

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
33	O9	14	85	59	oak	immature	thinning	1		

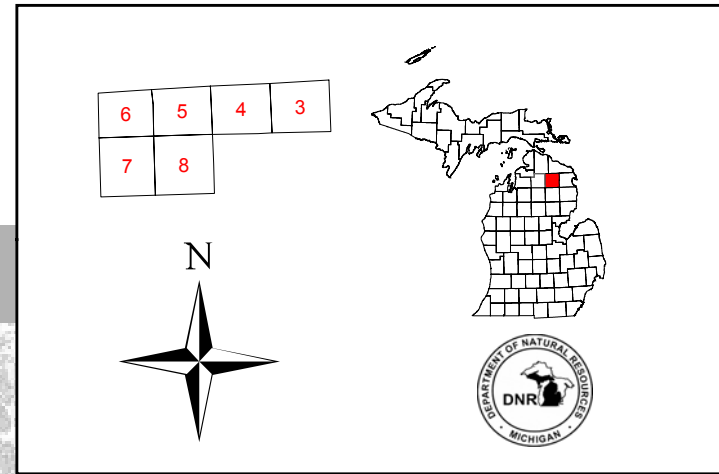
TREATMENT LIMITING FACTORS: Adjacent landowner denies access
Too wet

comnts Fmd : Shortwood to protect residual and w3 understory. Remove aspen and red maple. May not have good access to stand. Access through stand 16 likely to become a quad trail. Limiting factor of 2F refers to access across stand 16.

Total Acres..... 14

Field Map

Compartment 55
 T31N, R04E, Sec. 3-8
 County: Montmorency
 Unit: Atlanta
 YOE: 2008
 Acres: 1,170 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 9/21/2006
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - County Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Illegal ORV Trails
 - Closed Roads
 - Powerlines
 - Stand Boundary
 - 100 - Final Harvest
 - 400 - Thinning

