



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT # 071 ENTRY YEAR: 2007

Compartment Acreage: 1304 County: Montmorency

Revision Date: October 19, 2005

Stand Examiner: Barber

Legal Description: T32N, R3E, Sec. 19, 20 & 21

RMU (if applicable):

Management Goals: Continued management of aspen and swamp aspen types. Protection of travel corridors.

Soil and Topography: Topography is flat to mildly rolling. Upland soils are predominantly loamy sands, especially Millersburg. Lowlands are various mucks. The LTA map shows this as a drumlin field—½ upland, ½ wetland.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Adjacent land is mostly other state land . There are a few hunting properties. Jones subdivision sits in the middle of the compartment.

Unique, Natural Features (include only non-site specific and non-sensitive information): None reported.

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

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: Rush Lake and the North Branch of the Thunder Bay River are found in this compartment. Rush Lake currently has a healthy panfish, largemouth bass, and northern pike population.

Wildlife Habitat Considerations and Objectives:

This compartment is located approximately ten miles north of Atlanta and eight miles northwest of Hillman in Montmorency County. The compartment is part of a 130 sq mi landscape dominated by State Forest Lands.

The compartment is located in Ecoregion VII.6.1 drumlin field with well drained sandy soils in the center portion, wet drumlin field with very poorly drained muck/peat soils and upland drumlin field with excessively drained sand soil. Kotar's cover typing system lists the compartment as AFO-AFOCa to PARVVb and classifies it as a pine management unit. Fire history is one of infrequent large fires and GLO data suggest the area was forested with northern hardwoods in the central portion, red-jack pine mixed stands in the far northwest corner and tamarack-cedar in the eastern portion. A deer habitat model implies that this compartment would go from aspen/birch to northern hardwoods through natural succession. The compartment provides an excellent potential for spring and summer habitat in the western 2/3 and excellent thermal cover on the eastern portion. Today aspen (29%), balsam poplar (25%), upland hardwoods (21%) and cedar (10%) make up the majority of this compartment cover types.

This compartment has a high (1,000+ acres) habitat potential for cedar waxwing, tiger salamander, American toad, coyote, beaver, northern short-tailed shrew, masked shrew and long-tailed weasel. The planned treatments over the next ten years will have little to no impact on the above listed species.

Mineral Resource and Development Concerns and/or Restrictions: Most of Section 19 plus the south half of 20 are classified as development. Most of Section 21 and the balance of 19 and 20 are non-development. Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Formation. The Antrim is quarried for cement products and the Traverse for limestone. Gravel pits are not located in the area, but potential is good. The Compartment has an older Niagaran well drilled just to the north, a dry hole. This area has very limited potential for the Antrim Shale. There are no oil and gas leases in the Compartment.

Vehicle Access: Roads to be closed as shown on compartment map.

Survey Needs: Surveying will be required to prove trespass at Jones Subdivision.

Recreational Facilities and Opportunities: Good grouse hunting for those willing to walk more than 100 feet from their truck.

Fire Protection: This compartment is located in the protection area of the Atlanta DNR and the Hillman Fire Department. Hillman Fire department would most likely be last on scene of any fire in the area due to their distance from the area. The Atlanta DNR has mutual aid agreements with Hillman Fire Department and also supplies them with GSA 6x6 fire unit. Fires in this area have a low potential to becoming very large due to the lowland areas. There have not been the frequency of human caused fire here as near some other subdivisions.

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: 71

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		45	165	23	99	32	11												375
Cedar											49	69		10					128
Grass	16																		16
Lowlnd Brush	87																		87
Lowlnd Poplr		132		34		146												11	323
Marsh	12																		12
Mx Swmp Cnfr																		38	38
Non Stocked	13																		13
Paper Birch										6									6
Swamp Hrdwds				7							8								15
Upland Brush	16																		16
Upland Hdwds																		274	274
White Pine																		1	1
Total	144	177	165	64	99	178	11			6	57	69		10				324	1304

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

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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	375																										375
C Cedar				128																							128
G Grass					16																						16
L Lowlnd Brush									87																		87
P Lowlnd Poplr										323																	323
N Marsh											12																12
Q Mx Swmp Cnfr												38															38
X Non Stocked													13														13
B Paper Birch															6												6
E Swamp Hrdwds																				15							15
U Upland Brush																								16			16
M Upland Hdwds																								274			274
W White Pine																										1	1
Total	375			128	16				87	323	12	38	13		6					15				16	274	1	1304

MACKINAW STATE FOREST

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Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6782 Cds	Hardwood	575 Cds
Hardwood	655 Mbf	Hardwood	80 Mbf
Softwood	2357 Cds	Sum CutVol	735 Cds
Softwood	498 Mbf		
Sum TotVol	11445 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	136
1304			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 71

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
12	M9	54		74	northern hardwood	unevenaged	thinning	6		
comnts Fmd : CUT NO HEMLOCK. Under contract as 54-008-01-01 Vernal Ponds 72. Expires 09/30/2005.										
29	M6	58		59	northern hardwood	unevenaged	thinning	6		
comnts Fmd : Under contract waiting for berm closure. 54-004-01-01 Pop Central 72.										
38	M9	24		69	northern hardwood	unevenaged	thinning	6		
comnts Fmd : 54-003-01-01 3 Comp Pop.										
Total Acres.....		136								

**Proposed Treatments
With Limiting Factors**

Compartment: 71

Entry Year: 2007

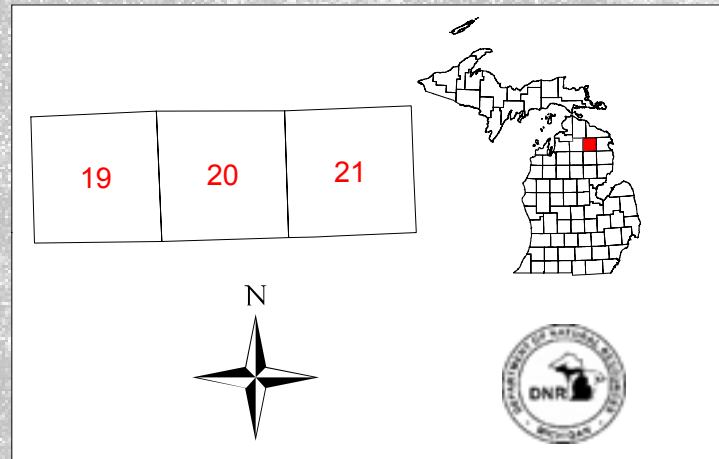
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 71
 T32N, R3E, Sec. 19-21
 County: Montmorency
 Unit: Atlanta
 YOE: 2007
 Acres: 1,304 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/30/2005
 Map Phase: Pre-review



Legend	
	Miris Corners
	Poor Dirt Roads
	Abandoned Railroad
	Stand Boundary
	Biodiversity Area
	400 - Thinning
Name	County Gravel Roads
Name	Gravel Roads
Name	Water Features

