



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 106 ENTRY YEAR: 2007

Compartment Acreage: 894 County: Alpena

Revision Date: October 19, 2005

Stand Examiner: Robert Theiner

Legal Description: T-31-N, R-08-E, Sections 30, 31 and 32.

Management Goals: The area is comprised of old beach ridges with old growth pine on the ridges. The entire compartment is proposed Biodiversity Stewardship. Recreation is the main management goal.

Soil and Topography: Proper-Deford-Rousseau Association, Topography is flat with old beach ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Property to the north and east varies from hunting, to industrial, to the south it is residential. State land borders the west edge. Encroachment has occurred along the south edge of section 31.

Unique, Natural Features: Species have been listed.

Archeological, Historical, and Cultural Features: Sites have been listed.

Special Management Designations or Considerations: Biodiversity Stewardship.

Watershed and Fisheries Considerations: Sunset (Mud) Lake along the east side of the compartment, fed by McLary Creek.

Wildlife Habitat Considerations and Objectives:

This compartment is located just 3 miles west of the City of Alpena, Alpena County. It is part of a 13 sq mi landscape dominated by State Forest lands north of Werth Road. The topography is mostly flat lowland.

The compartment is located in Ecoregion VII.6.3, transverse dunes with very poorly drained sandy soil over most of the unit and flat lake plain with very poorly drained muck/peat soils in the far southeast corner of the compartment. Kotar classifies this area as a wetland management unit with ribbons of PArVHa-PArVCo and unclassified wetlands through out the compartment. GLO data suggest this area was forested with hemlock-white pine mix with over most of the area and lowland conifers in the far southeast corner. Today, swamp hardwoods (35%), red pine (20%), cedar (18%) and lowland brush (11%) make up nearly 85% of the compartments habitat types.

Today's cover types provide a high (700+ acres) habitat potential for northern myotis, eastern newt, bear, red fox, ermine, coyote, long-tailed weasel and masked shrew to name a few species. There are no treatments planned over the next ten years so little change in habitat values is expected. Some habitat enhancement for hermit thrush, deer and mourning doves will take place as natural succession takes place in the upland conifers.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for clay/shale and limestone/cement products four miles to the northeast. A gravel pit is located in Section 30, but potential may be limited. This area has had no drilling for oil and gas. The Antrim Shale is not present in this area and production is unlikely. There are no State oil and gas leases in the area.

Vehicle Access: Vehicle access is restricted within the compartment, due to the Norway Ridge Pathway, only one trail accesses the compartment from the west off Norway Ridge Truck Trail.

Survey Needs: Property line work is needed along the south edge of section 31.

Recreational Facilities and Opportunities: Norway Ridge Pathway in section 31, Alpena Connector of the Hillman to Alpena snowmobile trail is along the old D&M railroad grade.

Fire Protection: Fire Protection: This compartment is located in the protection area of the Alpena DNR and Alpena Township Fire Department. The Alpena DNR has mutual aid agreements with Alpena Township Fire Department. Although access to any fire in this area is a little difficult, there have not been large fires in the past due to the timber type. Historically the fires in this pine area have been from debris burning and campfires.

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

ALPENA COUNTY

COMPARTMENT: 106

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										15									15
Black Spruce									2										2
Cedar												78	80						158
Jack Pine		5	5						9										19
LowInd Brush	99																		99
LowInd Poplr					26				13	5									44
Marsh	9																		9
Red Pine							15		23			141							179
Swamp Hrdwds			32						6	244		34							316
Tamarack									47										47
White Pine				6															6
Total	108	5	37	6	26		15		100	264		253	80						894

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: 106

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	15																										15
S Black Spruce		2																									2
C Cedar				158																							158
J Jack Pine							19																				19
L LowInd Brush									99																		99
P LowInd Poplr										44																	44
N Marsh											9																9
R Red Pine																179											179
E Swamp Hrdwds																				316							316
T Tamarack																						47					47
W White Pine																										6	6
Total	15	2		158			19		99	44	9					179				316	47					6	894

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **106**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

TOTAL VOLUME		CUT VOLUME	
Hardwood	5423 Cds		
Hardwood	169 Mbf		
Softwood	3824 Cds		
Softwood	2463 Mbf		
Sum TotVol	14511 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	0
894			

**Proposed Treatments
With NO Limiting Factors**

Compartment: 106

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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Total Acres..... 0

**Proposed Treatments
With Limiting Factors**

Compartment: 106 Entry Year: 2007

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

Total Acres..... 0

Field Map

Compartment 106
 T31N, R8E, Sec. 30-32
 County: Alpena
 Unit: Atlanta
 YOE: 2007
 Acres: 894 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 8/30/2005
 Map Phase: Pre-review

Legend

- Miris Corners
- Poor Dirt Roads
- Railroads
- Trail
- Abandoned Railroad
- Abandoned Trail
- Pipeline
- Gates
- Snowmobile Trails
- Hiking Trails
- Stand Boundary
- Biodiversity area

Name County Paved Roads
Name Poor Dirt Roads
Name Trails
Name Water Features

