



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 087 ENTRY YEAR: 2007

Compartment Acreage: 2,067 County: Alpena

Revision Date: October 19, 2005

Stand Examiner: Cody Stevens

Legal Description: T30N-R07E Sections 1, 12, 13 & 24
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 compartment is predominately located on poorly drained sands and organic soils. The compartments topography is mainly low ground with some high ground with red pine.

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

The compartment is surrounded predominately by state land. There are private parcels adjacent to the state on all sides. Land use in the area comes from the recreational users, adjacent landowners.

Unique, Natural Features:

Some species present in area.

Archeological, Historical, and Cultural Features. None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: Fisheries Concerns is General:

Wildlife Habitat Considerations and Objectives:

This compartment is located approximately four miles southwest of the City of Alpena, Alpena County. It is part of a 13 sq mi landscape, north of Werth Road dominated by State Forest Lands. The topography is mostly flat lowland.

The compartment is located in Ecoregion VII.6.3, transverse dunes with very poorly drained sandy soil in the center of the compartment, flat lake plain with excessively drained sands along the west edge and

flat lake plain with very poorly drained muck/peat soils on the east edge. Kotar data classifies this landscape as a wetland management unit with PArVCo along the west edge of the compartment and the remaining as unclassified wetlands. Fire history is one of infrequent large fires except for the area along the west edge. GLO data suggest this landscape was a mixture of lowland conifer and cedar over most of the compartment except for some red and white pine along the west edge. Today swamp hardwoods (25%), aspen (18%), cedar (18%), red pine (14%) balsam poplar (7%) and white pine (6%) make up nearly 90% of the habitats found in this compartment.

The cover types found in this compartment today are providing a high (1,500+ acres) habitat potential for American toad, black-capped chickadee, bear, red fox, brown snake, coyote, masked shrew and long-tailed weasel. The planned treatments over the next ten years will have little to no negative impacts on the above-mentioned species. The treatments will enhance habitat for fox, bear and coyotes and will have negative impacts on cardinals, eastern phoebe and Nashville warblers.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of Lacustrine (lake) sand and gravel and minor coarse-textured glacial till. The glacial drift thickness varies between 0 and 50 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group. The Traverse is quarried for stone and both are quarried for cement products. Gravel pits are located in Sections 23 and 24 and potential is considered good in the south. This area has not had development for the Antrim Shale because the Antrim subcrops in this area and production is limited. A well is located in Section 25. There are no State oil and gas leases in the Compartment.

Vehicle Access:

The compartment is bordered by Werth and Spruce roads to the east and Berlinski road borders the south west edge. The area has two tracks that provide access to the high ground areas.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

There are many opportunities for hunting, wildlife viewing and mushrooming in the area. The snowmobile trail runs through the compartment.

Fire Protection: This compartment is located in the protection area of the Alpena DNR and the Wilson Township Fire Department. Wilson Township Fire department would most likely arrive on scene approximately the same time the Alpena DNR would. The Alpena DNR has mutual aid agreements with Wilson Township Fire Department. Fires in this area have not been large in the past due to the timber type. Historically the fires in this hardwood area have been from debris burning 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**

09/02/2005 11:22:25 AM

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: 87

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			32	214	63	26		25	9										369
Cedar											295		80						375
Grass	8																		8
Jack Pine					5				8										13
LowInd Brush	95																		95
LowInd Poplr			144																144
Marsh	5																		5
Mx Swmp Cnfr							32			26									58
Non Stocked	20																		20
Oak										34									34
Red Pine			3						165	117	9								294
Swamp Hrdwds						102		49	181	184									516
Upland Brush	4																		4
White Pine								4	28	100									132
Total	132		179	214	68	128	32	78	391	461	304		80						2067

09/02/2005 11:22:35 AM

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: 87

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	369																										369
C Cedar				375																							375
G Grass					8																						8
J Jack Pine							13																				13
L LowInd Brush									95																		95
P LowInd Poplr										144																	144
N Marsh											5																5
Q Mx Swmp Cnfr												58															58
X Non Stocked													20														20
O Oak														34													34
R Red Pine																294											294
E Swamp Hrdwds																				516							516
U Upland Brush																								4			4
W White Pine																										132	132
Total	369			375	8		13		95	144	5	58	20	34		294				516				4		132	2067

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **87**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7945 Cds	Hardwood	1350 Cds
Hardwood	55 Mbf	Softwood	471 Cds
Softwood	11120 Cds	Softwood	190 Mbf
Softwood	3117 Mbf	Sum CutVol	2201 Cds
Sum TotVol	25409 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	118
2067			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 87

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
31	E6	39	80	55	swamp hardwoods	mature	final harvest	2			
comnts Fmd : Winter cut only, leave all Red and White Pine, Cedar and Oak. Block road running through stand.											
37	A6	2	60	67	aspen (upland)	mature	final harvest	1			
39	J6	8	72	56	jack pine	mature	final harvest	1			
40	A6	5	60	67	aspen (upland)	mature	final harvest	1			
41	R9	10	74	62	red pine	mature	final harvest	1	planting		
comnts Fmd : may want to burn before replanting, leave scattered oak.											
62	A6	9	68	60	aspen (upland)	mature	final harvest	1			
comnts Fmd : Winter Cut only, due to poor access roads. Leave all Red/White Pine and Oak.											
71	A6	18	66	60	aspen (upland)	mature	final harvest	1			
comnts Fmd : Winter Cut only, due to poor access. Leave all red/white pine and oak. Make sure to get small area at NW corner. Also treat any pockets of Aspen in Stand 70. Close roads in area.											
Total Acres.....		91									

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 87

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
45	R9	27	80	68	red pine	mature	shelterwood-seed	1	natural regeneration	

TREATMENT LIMITING FACTORS: Retention of stand for regeneration purposes (ie. shelterwood)

comnts Fmd : Mature Pine stand, Reduce pine BA to 30-50. Burn after cutting to reduce competition from red maple. Check stand in 3 years if no natural pine regen burn again and plant red pine.

52	R9	27	85	65	red pine	mature		0	cleaning & weeding	
-----------	-----------	----	----	----	----------	--------	--	---	--------------------	--

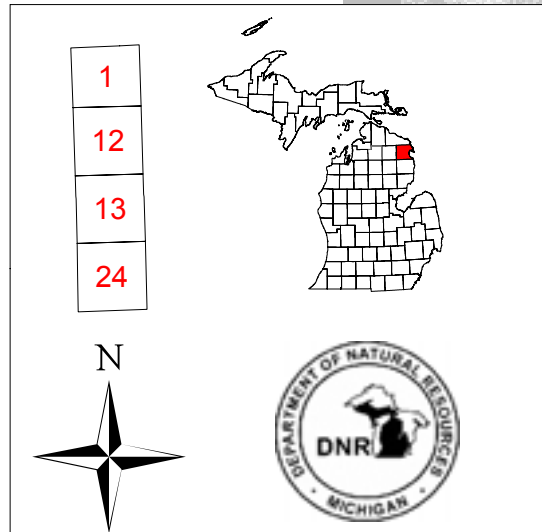
TREATMENT LIMITING FACTORS: Delayed to take advantage of exceptional site quality or growth

comnts Fmd : Burn to remove red maple understory. To prepare for shelterwood next entry.

Total Acres..... 54

Field Map

Compartment 87
 T30N, R7E, Sec. 1, 12, 13, 24
 County: Alpena
 Unit: Atlanta
 YOY: 2007
 Acres: 2,067 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 8/30/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- - - Trails
- ☼ Snowmobile Trails
- ▭ Stand Boundary
- ▨ 067 - Cleaning-weeding/Prescribed burning
- ▩ 100 - Final harvest
- ▧ 116 - Final harvest/Planting
- ▦ 347 - Shelterwood-seed/Natural regeneration/Prescribed burning

Name County Paved Roads
Name County Gravel Roads

