



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 090 ENTRY YEAR: 2008

Compartment Acreage: 1424 County: Alpena

Revision Date: March 8, 2006

Stand Examiner: Robert Theiner

Legal Description: T-30-N, R-08-E, Sections 6, 7 and 18.

Management Goals: The area is comprised of old beach ridges with old growth pine on the ridges. Portions of the compartment are proposed Biodiversity Stewardship. A good portion of the compartment is within the Devil's Lake Block Plan, 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 surrounds the compartment with private land holdings to the east and west.

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:

Mineral Resource and Development Concerns and/or Restrictions:

Sections 6, 7 & 18, T30N-R8E, Alpena County 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 are the Devonian Antrim Shale and Traverse Group. The Traverse is quarried for stone and both are quarried for cement products. A gravel pit is located in Sections 7 and potential is considered good in upland areas. This area has not had development for the Antrim Shale because the Antrim subcrops in this area and production is unlikely. There are no State oil and gas leases in the Compartment.

Vehicle Access: Vehicle access north of Werth Rd. is restricted, due to the Norway Ridge Pathway. The Alpena snowmobile trail is the main access into the compartment but traffic is limited to snowmobiles in the winter. See road closure map.

Survey Needs: Property line work is needed along the west edge of section 18.

Recreational Facilities and Opportunities: Norway Ridge Pathway in section 31, Alpena snowmobile trail runs from Werth Rd., south and to the east and west.

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: 90

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				105					3										108
Cedar										16	15	263	94				17		405
Grass	11																		11
LowInd Brush	172								8										180
LowInd Poplr				22		6			37	47									112
Marsh	58																		58
Mx Swmp Cnfr				36								7							43
Non Stocked	9																		9
Red Pine						3	2		31	15	30		54						135
Spruce Fir					63														63
Swamp Hrdwds				34	5				91	60	38								228
Upland Brush	19									4									23
Water	5																		5
White Pine				7	5			17	15										44
Total	274			204	73	9	2	17	185	142	83	270	148				17		1424

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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: 90

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	108																										108
C Cedar				405																							405
G Grass					11																						11
L LowInd Brush									180																		180
P LowInd Poplr										112																	112
N Marsh											58																58
Q Mx Swmp Cnfr												43															43
X Non Stocked													9														9
R Red Pine																135											135
F Spruce Fir																			63								63
E Swamp Hrdwds																			62	166							228
U Upland Brush																								23			23
Z Water																									5		5
W White Pine																										44	44
Total	108			405	11				180	112	58	43	9			135			125	166				23	5	44	1424

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **90**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5107 Cds	Hardwood	26 Cds
Hardwood	108 Mbf	Hardwood	2 Mbf
Softwood	9783 Cds	Softwood	38 Cds
Softwood	1974 Mbf	Sum CutVol	68 Cds
Sum TotVol	19054 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1424		6	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 90

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
42	E6	53	73	55	spruce-fir (uplands-including upland black spruce)	low quality		0	natural regeneration	
<p>comnts Fmd : Aspen is patchy, red maple is the species in abundance. Areas of white pine. Understory is mostly thick balsam fir. Old paint line still visable, sale not complete due to a lack of survey. Soils are mostly low and humucky, cutting this stand will result in a good crop of cattail or tag alder. Allow to convert to a mixed conifer stand, naturally.</p>										
141	E6	4	73	55	spruce-fir (uplands-including upland black spruce)	low quality		0	natural regeneration	
<p>comnts Fmd : Aspen is patchy, red maple is the species in abundance. Areas of white pine. Understory is mostly thick balsam fir. Old paint line still visable, sale not complete due to a lack of survey. Soils are mostly low and humucky, cutting this stand will result in a good crop of cattail. Allow to convert to a mixed conifer stand, naturally.</p>										
142	E6	3	73	55	spruce-fir (uplands-including upland black spruce)	low quality		0	natural regeneration	
<p>comnts Fmd : Aspen is patchy, red maple is the species in abundance. Areas of white pine. Understory is mostly thick balsam fir. Old paint line still visable, sale not complete due to a lack of survey. Soils are mostly low and humucky, cutting this stand will result in a good crop of cattail. Allow to convert to a mixed conifer stand, naturally. Trail rutted awet into and along south edge.</p>										
143	E6	2	73	55	spruce-fir (uplands-including upland black spruce)	low quality		0	natural regeneration	
<p>comnts Fmd : Aspen is patchy, red maple is the species in abundance. Areas of white pine. Understory is mostly thick balsam fir. Old paint line still visable, sale not complete due to a lack of survey. Soils are mostly low and humucky, cutting this stand will result in a good crop of cattail. Allow to convert to a mixed conifer stand, naturally. SCA, Devil's Lake Block Plan.</p>										
327	U4	3	80	56	upland brush	immature		0	other - specify in remarks	
<p>comnts Fmd : SMATTERING OF SCOTS, WHITE, RED AND JACK PINE. Scotch pine may have seeded in from private to the west. Some larger scotch pine in adjacent stand. Could try burning but equipment access is limited, due to terrain.</p>										
Total Acres.....		65								

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 90

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
39	R6	3	43	67	red pine	immature	thinning	3		

TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage

comnts Fmd : Difficult access. Natural Stand of Red Pine. Suggest harvesting with stand 37 in future.

40	A5	3	74	58	aspen (upland)	immature	final harvest	3		
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TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage

comnts Fmd : Some pine in Over Story. Difficult access. Suggest harvesting with stand 37, in future.

Total Acres..... 6

