



**ATLANTA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 137    ENTRY YEAR: 2007**

**Compartment Acreage: 2,031      County: Presque Isle**

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**Revision Date:** October 19, 2005

**Stand Examiner:** Cody Stevens

**Legal Description:** T34N – R4E, Sections 5-7 & 18.  
T35N – R4E, Sections 31 & 32

**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 sandy soils. The compartments topography is rolling hills and valleys, some steep slopes. .

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

The compartment is mainly surrounded by state land to the west and southeast. Land use in the area comes from recreational users.

**Unique, Natural Features:**

Some species present in Area.

**Archeological, Historical, and Cultural Features.**

See locked comments.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:** Stand 26 is scheduled for a final harvest along the Little Ocqueoc River (comments: buffer river). Fisheries Division asks for a riparian buffer of at least 100 feet (no cut or selective cut) along the river, and to not encourage beaver activity in this trout stream corridor. Much of this watershed has low gradient which is suitable to beaver activity and thus water warming. This river is a designated trout stream and susceptible to beaver activity.

**Wildlife Habitat Considerations and Objectives:**

This compartment is located approximately three miles northeast of Millersburg in the central portion of Presque Isle County. The compartment is part of an 18 sq mi landscape south of M-68 that dominated by

State Forest Lands. The landscape is one of soft rolling hills dominated by red and jack pine plantations and natural stands of oak and aspen.

The compartment is located in Ecoregion VII.6.1 on a broad flat outwash plain with excessively drained sandy soils. This area has a history of frequent stand replacing catastrophic fires. Kotar's cover typing system classifies this landscape as a pine management unit with PArVHa and PArVHa-PArVVb cover types over most of the compartment. GLO data suggest this compartment was mostly red/jack pine mix with jack pine stands in section 5 and east edges of sections 6 and 7. Today red pine (31%), aspen (22%), oak (20%) and jack pine (20%) dominate the habitat in this compartment.

Today's cover types are providing a high (1,500 acres) habitat value for coyote, red fox, bear, elk, brown snake, bobcat, redbelly snake, common garter snake, American toad and long-tailed weasel to name a few species. The planned forest treatments and opening enhancement activities will affect only a couple species mentioned above. Bobcats can expect a -16% in habitat change while similar positive changes are expected for bear, coyote, red fox and ruffed grouse. The negative impacts will only be temporary as natural regeneration progresses.

#### **Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 200 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for limestone and cement products in Section 18. Gravel pits are located in Section 18 and potential is good on the upland areas. This area is located along the north edge of the Niagaran reef trend and north of the Antrim Shale play. None of the State land is leased for oil and gas development and potential is limited.

#### **Vehicle Access:**

The compartment is accessed off of Sorgenfrei Hwy, Plains Hwy, Peltz Road and Walker Road and has many two tracks that provide access to the entire area.

#### **Survey Needs:**

There is a need for two corners in Section 32.

#### **Recreational Facilities and Opportunities:**

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

**Fire Protection:** This compartment is located in the protection area of the Onaway DNR and the Rogers City Fire Department located in Rogers City. The Rogers City Fire Department would most likely be first on scene of any fire in the area due to their close proximity. The Onaway DNR has a mutual aid agreement with Rogers City Fire Department, but does not support any GSA equipment. Access is fair.

#### **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

PRESQUE ISLE COUNTY

COMPARTMENT: 137

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	448																										448
C Cedar				1																							1
G Grass					6																						6
J Jack Pine							407																				407
N Marsh											18																18
Q Mx Swmp Cnfr												99															99
X Non Stocked													10														10
O Oak														400													400
R Red Pine																620											620
U Upland Brush					13																			8			21
Z Water																									1	1	
<b>Total</b>	<b>448</b>			<b>1</b>	<b>19</b>		<b>407</b>				<b>18</b>	<b>99</b>	<b>10</b>	<b>400</b>		<b>620</b>							<b>8</b>		<b>1</b>	<b>2031</b>	

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: **137**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4991 Cds	Hardwood	840 Cds
Hardwood	907 Mbf	Hardwood	87 Mbf
Softwood	11286 Cds	Softwood	2539 Cds
Softwood	2245 Mbf	Softwood	557 Mbf
Sum TotVol	22581 Cds	Sum CutVol	4667 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	336
2031			

**ATLANTA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 137**    **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
<b>6</b>	<b>J6</b>	65	70	51	jack pine	mature	final harvest	1			
comnts Fmd : Leave Red Pine, Protect Stand 104 during Harvest operations. Scattered balsam, spruce, oak.											
<b>22</b>	<b>R9</b>	81	66	55	red pine	mature	shelterwood-seed	1	natural regeneration		
comnts Fmd : Select cut stand down to 50 to 80 BA, mark lots of regen openings for Natural Regen. Use John Deere 440 skidder with discs to scarify the soil after timber treatment											
<b>23</b>	<b>A6</b>	17	75	50	aspen (upland)	mature	final harvest	1			
comnts Fmd : Need survey corners. Areas of Jack Pine and U type. Wld : use drumming log spec when cut											
<b>26</b>	<b>J6</b>	7	80	58	jack pine	mature	final harvest	1	planting		
comnts Fmd : Buffer River											
<b>45</b>	<b>O6</b>	85	85	49	oak	mature	selection	1			
comnts Fmd : Started Five Spots in 1999. Take half of remaining acreage this entry (3 Spot). No cut red and white pine 6" dbh and smaller.											
<b>46</b>	<b>R9</b>	38	65	51	red pine	mature	shelterwood-seed	1	natural regeneration		
comnts Fmd : Cut stand back to 30-40 BA scarify soil with JD 440 skidder and disc. If regen fails, clearcut and plant in ten years.											
<b>67</b>	<b>O6</b>	43	77	49	oak	mature	selection	1			
comnts Fmd : Start 3 Spot cut this entry. Leave all Red and White Pine for seed source.											
<b>88</b>	<b>J4</b>	39	28	48	jack pine	immature		0	opening maintenance		
comnts Fmd : sparse open grown jack pine, scattered mature red pine. Wld : burn most of stand with stand 402 to develop a natural jack pine savannah.											
<b>105</b>	<b>U0</b>	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : filling in with Jack Pine Wld : reclaim this old opening and expand into stand 44 up to edge of stand 22 by burning. Develop as a natural grass opening.											
<b>106</b>	<b>U0</b>	10			grass	nonstocked		0	opening maintenance		
comnts Fmd : filling in with Jack Pine Wld : reclaim old opening by burning. Maintain as natural grass opening. Illegal trail developing from this stand westerly then south down to state forest road.											
<b>107</b>	<b>U0</b>	1			upland brush	nonstocked		0	opening maintenance		
comnts Fmd : filling in with Jack Pine Wld : reclaim original opening and maintain with food and cover plantings.											
<b>401</b>	<b>G0</b>	3			grass	nonstocked		0	opening maintenance		
Wld : some work needed to reclaim original opening acres. Plant with food and cover plantings to maintain.											
<b>402</b>	<b>G0</b>	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : filling in with Jack Pine Wld : reclaim and maintain by burning. Expand into most of stand 88 as a natural jack pine savannah.											
<b>Total Acres.....</b>		<b>393</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 137**    **Entry Year: 2007**

<b>Stand</b>	<b>Cover Type</b>	<b>Acres</b>	<b>Age</b>	<b>Site Index</b>	<b>Mgt Obj</b>	<b>Condition</b>	<b>Method Cut</b>	<b>Harvest Priority</b>	<b>Cultural Need</b>	<b>FDI Status</b>
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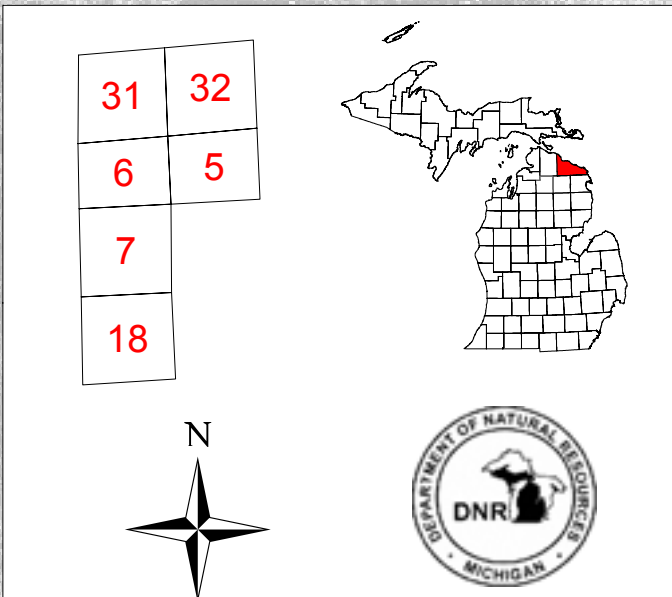
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 137  
 T34N, R4E, Sec. 5-7, 18  
 T35N, R4E, Sec. 31, 32  
 County: Presque Isle  
 Unit: Atlanta  
 YOY: 2007  
 Acres: 2,031 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/31/2005  
 Map Phase: Pre-review



- Legend**
- Miris corners
  - - Poor dirt roads
  - ..... Trails
  - Snowmobile Trails
  - Stand Boundary
  - 026 - Opening Maintenance
  - 027 - Opening Maintenance/Prescribed Burning
  - 100 - Final Harvest
  - 116 - Final Harvest/Planting
  - 346 - Shelterwood-seed/Natural Regeneration
  - 800 - Selection
  - Name** County Paved Roads
  - Name** Poor Dirt Roads
  - Name** Water Features

