



**GAYLORD FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT: 121**

**ENTRY YEAR: 2008**  
**Compartment Acreage: 1,087**  
**County: Emmet**

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**Revision Date:**

**Stand Examiner:** Don Stacks

**Legal Description:** T37N R4W Sections 7, 8 and 18.

**Management Unit Goals:** To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

**Soil and Topography:** Blue Lake Sands on rolling terrain in the west half of the compartment with more level ground in the east half. Carbondale and Tawas mucks are found along the Van Creek drainage.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Private property, mostly family farms, exists on all sides of the compartment. State ownership within the compartment boundary is fairly contiguous.

**Unique, Natural Features:**

**Archeological, Historical, and Cultural Features:** No known occurrences.

**Special Management Designations or Considerations:** Areas of difficult and/or restricted access within compartment.

**Watershed and Fisheries Considerations:** Van Creek, a tributary to the E Br Maple River (a designated trout stream) flows through this compartment. No management activities are planned for this compartment, so Fisheries has no comments.

**Wildlife Habitat Considerations:** This compartment is a mixture of upland and wetland. The upland is primarily northern hardwoods and a lot of it has been recently treated. The areas that were untreated, stands 29 and 32, will be held uncut for this treatment period to provide habitat and structural diversity. None of the wetland will be treated.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured till and minor lacustrine (lake) sand and gravel. The glacial drift thickness varies between 400 and 600 feet. The Devonian Detroit River Group subcrops below the glacial drift. The Detroit River is mined for salt other areas in the State. A gravel pit is located in Section 10 and gravel potential is good. The nearest oil and gas production, the Antrim Shale gas play, is located 30 miles to the south. There is no known oil and gas potential in the area.

**Vehicle Access:** There is limited access from the west on a lesser quality, seasonal county road and connecting poor quality forest trail roads. Access into the compartment from the north, south, and the east has to cross private property.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** No designated trails within compartment.

**Fire Protection:** The Pellston VFD and Pellston DNR Field Office are located about 7 miles south.

**Additional Compartment Information:** Within the last eight years, 301 acres of northern hardwoods were selectively harvested and 62 acres of mixed aspen received a final harvest treatment, which totals about 28% of the compartment acreage. This year-of-entry, only one 20 acre stand of northern hardwoods and one 4 acre stand of aspen qualified for treatment. Wildlife Division of the DNR requested to delay these two treatment recommendations for 10 years, until the next year-of-entry.

- **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

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 121

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS											All			Total			
	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	Aged
Aspen		59		55					2	5									121
Cedar									2										2
Grass	16																		16
LowInd Brush	137																		137
LowInd Poplr							7												7
Mx Swmp Cnfr									100	7									107
Spruce Fir					27														27
Swamp Hrdwds							9	13										3	25
Upland Brush	14																		14
Upland Hdwds																		608	608
Water	23																		23
<b>Total</b>	<b>190</b>	<b>59</b>		<b>55</b>	<b>27</b>		<b>16</b>	<b>13</b>	<b>104</b>	<b>12</b>								<b>611</b>	<b>1087</b>

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 121

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	121																										121
C Cedar				2																							2
G Grass					16																						16
L Lowlnd Brush									137																		137
P Lowlnd Poplr										7																	7
Q Mx Swmp Cnfr												107															107
F Spruce Fir																			27								27
E Swamp Hrdwds																				25							25
U Upland Brush																									14		14
M Upland Hdwds																								608			608
Z Water																									23		23
<b>Total</b>	121			2	16				137	7		107							27	25				14	608	23	1087

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 121

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5255 Cds	Hardwood	28 Cds
Hardwood	2065 Mbf	Hardwood	7 Mbf
Softwood	1550 Cds	Sum CutVol	42 Cds
Softwood	6 Mbf		
Sum TotVol	10947 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1087		0	

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 121**

**Entry Year: 2008**

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<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>FDF Status</b>
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**Total Acres..... 0**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 121**

**Entry Year: 2008**

<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>FDF Status</b>
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TREATMENT LIMITING FACTORS:







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Total Acres..... 0

# Field Map

Compartment 121  
 T37N, R04W, Sec. 7, 8, 18  
 County: Emmet  
 Unit: Gaylord  
 YOE: 2008  
 Acres: 1087 GIS Calculated  
 Stand Examiner: Donald Stacks  
 Map Revised: 4/28/2006  
 Map Phase: Pre-review

**Legend**

-  Miris Corners
-  County Gravel Roads
-  Paved Roads
-  Poor Dirt Roads
-  Water Features
-  Stand Boundary

07	08
18	

