



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 124

ENTRY YEAR: 2008
Compartment Acreage: 694
County: Emmet

Revision Date:

Stand Examiner: Dan Heckman

Legal Description: T35N R04W Sections 6, 7, 8

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: This compartment is mostly comprised of Blue Lake Sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The entire compartment is surrounded by private land with small blocks of non-contiguous State owned land. The private lands adjacent to the State owned land are residential.

Unique, Natural Features: There is potential for red-shouldered hawk and goshawk in compartment.

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

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment is all upland, mostly northern hardwood and aspen. The current prescriptions will maintain the current age class and species diversity. Areas of northern hardwood and aspen will not be cut to retain structural diversity and because they are on steep hills.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till, lacustrine (lake) sand and gravel and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 1,000 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is quarried for cement products and limestone elsewhere in the State. A gravel pit is located in Section 7 and potential is good. The nearest oil and gas production, the Antrim Shale gas play, is located 20 miles to the south. There is no known oil and gas potential in the area.

Vehicle Access: There are several poor dirt roads in the compartment providing access off of county roads.

Survey Needs: None

Recreational Facilities and Opportunities: The Harbor Springs snowmobile trail enters all three sections of the compartment.

Fire Protection:

Additional Compartment Information: This compartment has had significant treatments over the last several decades. The aspen stands have all been harvested in the last 30 years and have regenerated to well stocked stands of young aspen and scattered hardwood. The hardwood stands have not been thinned in several entry years. These Northern Hardwood stands are the main focus this YOE. Wildlife division asked that not all of them be treated this YOE, so stands 5, 7, and 12 will not be thinned.

- **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**

05/02/2006 10:35:10 AM

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 124

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		245	102	64															411
Grass	18																		18
Non Stocked	2																		2
Upland Brush	33																		33
Upland Hdwds										54								176	230
Total	53	245	102	64						54								176	694

05/02/2006 10:35:17 AM

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 124

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	411																										411
G Grass					18																						18
X Non Stocked													2														2
U Upland Brush																								33			33
M Upland Hdwds																								230		230	
Total	411				18								2										33	230		694	

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 124

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

TOTAL VOLUME		CUT VOLUME	
Hardwood	4312 Cds	Hardwood	1578 Cds
Hardwood	1409 Mbf	Hardwood	274 Mbf
Sum TotVol	7130 Cds	Softwood	34 Mbf
		Sum CutVol	2194 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
694		148	

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 124 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
2	M9	24		53	northern hardwood	unevenaged	selection	1		
comnts Fmd : Good component of large diameter HM and Beech. Moderate terrain, good access. Needs PVT lines, found good corners on north side of 40. Thin stand to 80 BA., Create canopy gaps.										
3	M9	76		54	northern hardwood	unevenaged	selection	1		
comnts Fmd : Seasonal county road is good access from the north, nice hardwood stand, some dense pockets of RM. Snowmobile trail bisects the stand. Thin stand to 80 BA.										
8	M9	18		59	northern hardwood	unevenaged	selection	1		
comnts Fmd : Lots of hwd clumps, some significant aspen clones. Harvest stand, reduce BA to 80, designate aspen, mark 4-8 aspen per acre leave trees of declining vigor, aspen removal will make nice canopy gaps, will regenerate to RM in openings, some aspen mixed in as well.										
19	M6	30	83	75	northern hardwood	mature	selection	1		
comnts Fmd : Northern Hardwoods with nice NRO component, mostly south of the snowmobile trail which bisects the stand. RM and Beech are mostly pole sized and beech are predominantly in clumps. Thin stand to 80, thin heavy around residual NRO. Locate regen gaps where oak will be harvested to promote oak stump sprouts.										
Total Acres.....		148								

**Proposed Treatments
With Limiting Factors**

Compartment: 124 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	-----------------------


TREATMENT LIMITING FACTORS:

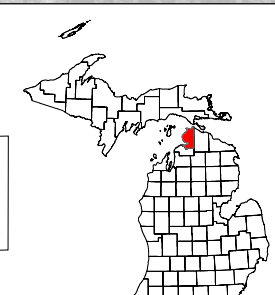
Total Acres..... 0


Field Map

Compartment 124
 T35N, R04W, Sec. 6, 7, 8
 County: Emmet
 Unit: Gaylord
 YOE: 2008
 Acres: 694 GIS Calculated
 Stand Examiner: Daniel Heckman
 Map Revised: 4/24/2006
 Map Phase: Pre-review

06	
07	08







Legend

- Miris Corners
- - - County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Stand Boundary
- Selection

