



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 114

ENTRY YEAR: 2008
Compartment Acreage: 917 Acres
County: Emmet

Revision Date: 4/28/06

Stand Examiner: Don Stacks

Legal Description: T35N R5W Sections 1-3, 10 and 11.

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: Mostly Blue Lakes Sands on rolling hills with some steep slopes present.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private ownership surrounds this compartment. Golf course and skiing hill developments located very close nearby. More development appears imminent.

Unique, Natural Features:

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

Special Management Designations or Considerations: High degree of local development.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment consists mostly of northern hardwoods. Portions of this type will remain uncut in this treatment period for structural diversity. Two stands will be clearcut which will increase the diversity of the compartment. Apple trees in stand 9 will be pruned as necessary to maintain production.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 1,000 feet. The Devonian Traverse Group subgroups below the glacial drift. The Traverse is quarried for cement products and limestone elsewhere in the State. A gravel pit is located in Section 10 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: Numerous county roads, seasonal county roads and forest trail roads provide access into the compartment.

Survey Needs: None

Recreational Facilities and Opportunities: North Country Hiking Pathway and a designated groomed snowmobile trail run through this compartment.

Fire Protection: Harbor Springs Fire Department, about 6 miles to the west and Pellston Field Office, about 12 miles to the north, provide forest fire protection to this compartment.

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

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 114

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			24		20		3	67	24										138
Grass	24																		24
Local Name	22																		22
Non Stocked	2																		2
Red Pine						45													45
Upland Brush	5																		5
Upland Hdwds																		681	681
Total	53		24		20	45	3	67	24									681	917

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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: 114

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	138																										138
G Grass					24																						24
I Local Name								22																			22
X Non Stocked													2														2
R Red Pine																45											45
U Upland Brush																								5			5
M Upland Hdws																									681		681
Total	138				24			22					2			45							5	681		917	

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

EMMET COUNTY

COMPARTMENT: 114

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8725 Cds	Hardwood	1437 Cds
Hardwood	2053 Mbf	Hardwood	498 Mbf
Softwood	1817 Cds	Softwood	578 Cds
Softwood	40 Mbf	Softwood	20 Mbf
Sum TotVol	14728 Cds	Sum CutVol	3051 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
917		215	

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 114 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
3	M9	48		69	northern hardwood	unevenaged	selection	1		
comnts Fmd : GOOD QUALITY N. HARDWOODS, ON ROLLING HILLS, WITH STEEP SLOPES PRESENT. SELECTION HARVEST THIS Y.O.E. SNOWMOBILE TRAIL RUNS THROUGH THIS STAND. ALTERNATE WOOD TRUCKING ROUTE WILL MOST LIKELY BE NEEDED BECAUSE OF SLOPE AND POOR VISIBILITY AT COUNTY ROAD.										
7	A9	36	65	85	aspen (upland)	mature	final harvest	1		
comnts Fmd : MATURE ASPEN ON HARDWOOD SOIL, LARGE AND FAIRLY VIGOROUS WITH A LITTLE MORTALITY STARTING TO SHOW. CONSISTANT STOCKING THROUGHOUT STAND. PERPETUATE ASPEN COMPONENT IN THIS STAND. FINAL HARVEST THIS Y.O.E. MAJORITY OF THIS COMPARTMENT IS NORTHERN HARDWOODS. TREAT ASPEN STAND TO THE NORTH (STAND 107) NEXT Y.O.E.										
8	M9	26		74	northern hardwood	unevenaged	selection	1		
comnts Fmd : STAND CONSISTS OF N. HARDWOODS BOLTWOOD AND SAWTIMBER. SELECTION HARVEST THIS STAND DOWN TO A RESIDUAL BASAL AREA OF 75 SQ. FT. THIS Y.O.E.										
12	M6	36		72	northern hardwood	unevenaged	thinning	1		
comnts Fmd : OVERSTOCKED STAND OF NORTHERN HARDWOOD POLETIMBER, BOLTWOOD, AND SOME SAWTIMBER, SOME LOCATED ON STEEPER SLOPES. FAIRLY GOOD QUALITY AND FORM. THIN THIS Y.O.E. INCLUDE THIS STAND WITH STANDS 3 AND 8 FOR MARKETING PURPOSES. MINOR TRESPASS FROM LITTLE TRAVERSE BAY GOLF CLUB EXISTS IN THIS STAND, WITH DECISION PENDING.										
18	A6	24	68	71	aspen (upland)	mature	final harvest	1		
comnts Fmd : LARGE DIAMETER ASPEN ON ROLLING HILLS ADJACENT TO GOLF COURSE. SOME ASPEN AND A LESSER AMOUNT OF HARDWOOD POLETIMBER PRESENT ALSO. ASPEN NEEDS TO BE HARVESTED THIS Y.O.E. BEFORE LOSS OF VIGOR OCCURS. AESTHETICS COULD BE AN ISSUE WITH GOLF COURSE. GOLF COURSE HAS A TEE AREA ON STATE LAND IN THIS STAND. DECISION PENDING ON THIS ISSUE.										
26	R6	2	44	74	red pine	immature	thinning	1		
comnts Fmd : SMALL RED PINE STAND, HAS NEVER BEEN THINNED. INCLUDE WITH STANDS 27 AND 34, RED PINE STANDS THAT ARE SCHEDULED FOR TREATMENT THIS Y.O.E.										
27	R6	13	44	74	red pine	immature	thinning	1		
comnts Fmd : RED PINE POLE TIMBER. THIN THIS Y.O.E. WITH STANDS 26 AND 34.										
34	R6	30	44	67	red pine	immature	thinning	1		
comnts Fmd : STAND CONSISTS OF MOSTLY RED PINE POLETIMBER WITH A SMALLER AMOUNT OF SAWTIMBER, WHICH HAS NEVER BEEN THINNED. STOCKING LEVELS VARY THROUGHOUT THE STAND. SOME LOCATED ON THE SIDE OF HILLS. THIN THIS Y.O.E. SOME OF THIS STAND WILL HAVE TO BE MARKED BECAUSE OF AREAS OF SPARSE, IRREGULAR ROWS.										
Total Acres.....		215								

**Proposed Treatments
With Limiting Factors**

Compartment: 114 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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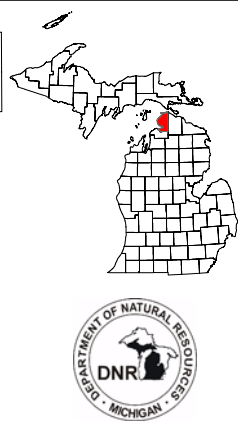
TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 114
 T35N, R05W, Sec. 1-3, 10, 11
 County: Emmet
 Unit: Gaylord
 YOE: 2008
 Acres: 917 GIS Calculated
 Stand Examiner: Donald Stacks
 Map Revised: 4/24/2006
 Map Phase: Pre-review

03	02	01
10	11	



Legend

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Paved Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Hiking Trails
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning
- 800 - Selection

