



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 173

ENTRY YEAR: 2008
Compartment Acreage: 1,595
County: Cheboygan

Revision Date:

Stand Examiner: Foco

Legal Description: T34N R2W Sec. 22, 23, 26, 27.

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: Soils are predominantly Rubicon-Eastlake Association with some Cheboygan-Eastlake Association. Topography is mostly level to slightly rolling.

Ownership Patterns, Development, and Land Use in and Around the Compartment: A continuous block with some private boundaries on the west, north and east sides.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: Old Railroad grade runs thru compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: An unnamed tributary to the Pigeon River flows through this compartment. Appropriate buffer zones and best management practices should be used to protect these waterbodies.

Wildlife Habitat Considerations: This compartment consists of mainly of aspen overtopped with large oaks, red pine plantations and scattered oak and Jack pine stands. This compartment is within the elk range and elk habitat management is high priority. Many of the openings have been planted in the past and will be prescribed for opening maintenance again this treatment period.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact outwash sand and gravel and coarse-textured till. The glacial drift thickness varies between 50 and 200 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Traverse and Antrim are used for stone and cement products. Gravel pits are located one mile to the west and there is good potential. The nearest oil and gas production, the Antrim Shale gas play, is located 12 miles to the south. Leases are located in Section 34. The Antrim Shale is thin to missing in this area. There is no known oil and gas potential in the area.

Vehicle Access: Good vehicle access with many two track forest roads still open.

Survey Needs: Very little surveying needs to be done, if any.

Recreational Facilities and Opportunities: Hunting, snowmobiling.

Fire Protection: Fire protection coverage is good with many two track forest roads thru the interior. Some Jack pine but not continuous and much of the area is A3.

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

CHEBOYGAN COUNTY

COMPARTMENT: 173

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					827				13										840
Bog or Marsh	7																		7
Cedar								5											5
Grass	137																		137
Jack Pine					30	44													74
Mx Swmp Cnfr							9		7										16
Non Stocked	5																		5
Oak																		91	91
Red Pine					158	215													373
Upland Hdws																		30	30
Water	17																		17
Total	166				1015	259	9	5	20									121	1595

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 173

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	840																										840
V Bog or Marsh			7																								7
C Cedar				5																							5
G Grass					137																						137
J Jack Pine							74																				74
Q Mx Swmp Cnfr												16															16
X Non Stocked													5														5
O Oak														91													91
R Red Pine																373											373
M Upland Hdwds																								30			30
Z Water																									17		17
Total	840		7	5	137		74					16	5	91		373								30	17	1595	

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **173**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1917 Cds	Hardwood	440 Cds
Hardwood	102 Mbf	Softwood	2523 Cds
Softwood	7830 Cds	Sum CutVol	2963 Cds
Sum TotVol	9951 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	289
1595			

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 173 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
12	R6	14	28	50	red pine	immature	thinning	2		
comnts Fmd : Small diameter R.Pine, scattered aspen, oak, J.Pine and W. Pine in understory. Planted 1978										
13	R6	6	28	50	red pine	immature	thinning	2		
comnts Fmd : Small diameter R.Pine, scattered aspen, oak, J. Pine and W. Pine. Planted in 1978										
14	R6	11	45	50	red pine	immature	thinning	2		
17	R6	75	47	55	red pine	immature	thinning	2		
18	R6	19	47	50	red pine	immature	thinning	2		
comnts Fmd : 3-4" aspen, 20-25ft tall. Sparse in spots. Some jack, red and white pine also some oak scattered thruout.										
24	R6	56	28	50	red pine	low quality	thinning	2		
comnts Fmd : Thin pine and remove aspen										
25	R6	6	47	50	red pine	immature	thinning	2		
32	R6	102	47	50	red pine	immature	thinning	2		

Total Acres..... 289

**Proposed Treatments
With Limiting Factors**

Compartment: 173

Entry Year: 2008

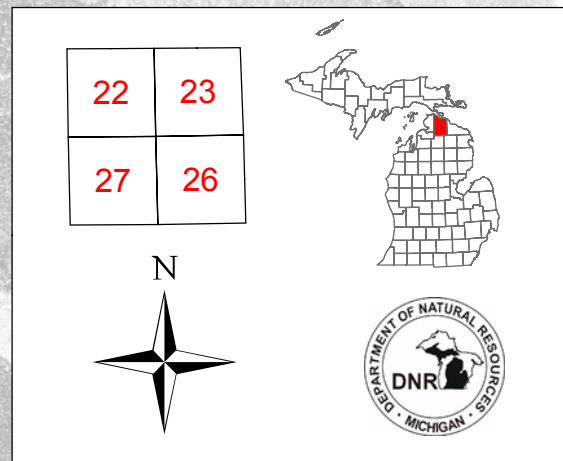
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 173
T34N, R02W, Sec. 22, 23, 26, 27
County: Cheboygan
Unit: Gaylord
YOE: 2008
Acres: 1,595 GIS Calculated
Stand Examiner: Dan Heckman
Map Revised: 4/27/2006
Map Phase: Pre-review



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- - Poor Dirt Roads
- Stand Boundary
- ▨ 400 - Thinning

