



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 148

ENTRY YEAR: 2009
Compartment Acreage: 1,571
County: CHEBOYGAN

Revision Date: 4/9/2007

Stand Examiner: S. Harig

Legal Description: T33N R3W Sec. 5,8,17

Management 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 mostly Cheboygan-Blue Lake Association. Topography is level to rolling.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership is mostly contiguous and surrounded on 3 sides by state-owned land.

Unique, Natural Features: None known

Archeological, Historical, and Cultural Features: None Known

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: This compartment is in the Sturgeon River watershed, and contains part of Marl Creek, a designated trout stream with Type 1 trout stream regulations. A buffer should be left next to Marl Creek to discourage beaver activity.

Wildlife Habitat Considerations: This compartment consists mainly of Northern hardwoods, some aspen pockets and planted red pine. All of the aspen has been treated in this compartment. The hardwood areas contain a lot of beech and red oak which provides a considerable amount of hard mast. Marl creek runs through the center of this compartment. There is a considerable amount of wetlands associated with this creek which provides habitat for mink, otter, beaver, and numerous amphibians.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Antrim is quarried for cement products and the Traverse for limestone elsewhere in the State. Gravel pits are located in the area and there is good potential. The nearest oil and gas production, the Antrim Shale gas play, is located two miles to the south. The Antrim Shale is thinning and there may not be any gas potential in this area. Leases are located just to the south of the Compartment in Section 20.

Vehicle Access: Good access.

Survey Needs: None

Recreational Facilities and Opportunities: Snowmobile Trail #765 and the MCCCT trail run through the compartment. The area is used a lot for hunting and mushroom picking.

Fire Protection:

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: 148

Table 3

(acres shown in boxes)

STAND AGE CLASS

| COVER TYPE | Not Coded | STAND AGE CLASS | | | | | | | | | | | | | | | | All Aged | Total | |
|--------------|------------|-----------------|-----------|----------|-----------|-------|-----------|-----------|------------|-------|-------|---------|---------|---------|---------|---------|---------|----------|------------|-------------|
| | | 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 | | | |
| Aspen | | 66 | 74 | 7 | 30 | | | 6 | | | | | | | | | | | | 183 |
| Grass | 14 | | | | | | | | | | | | | | | | | | | 14 |
| Lowlnd Brush | 16 | | | | | | | | | | | | | | | | | | | 16 |
| Marsh | 64 | | | | | | | | | | | | | | | | | | | 64 |
| Mx Swmp Cnfr | | | | | | | | | 18 | | | | | | | | | | | 18 |
| Red Pine | | 32 | | | | | 16 | 4 | 316 | | | | | | | | | | | 368 |
| Upland Brush | 6 | | | | | | | | | | | | | | | | | | | 6 |
| Upland Hdwds | | 11 | 9 | | | | | | 7 | | | | | | | | | | | 875 |
| Total | 100 | 109 | 83 | 7 | 30 | | 16 | 10 | 341 | | | | | | | | | | 875 | 1571 |

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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: 148

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 | 183 | | | | | | | | | | | | | | | | | | | | | | | | | | 183 |
| G Grass | | | | | 14 | | | | | | | | | | | | | | | | | | | | | | 14 |
| L Lowlnd Brush | | | | | | | | | 16 | | | | | | | | | | | | | | | | | | 16 |
| N Marsh | | | | | | | | | | | 64 | | | | | | | | | | | | | | | | 64 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 18 | | | | | | | | | | | | | | | 18 |
| R Red Pine | | | | | | | | | | | | | | | 242 | | | | | | | | | 126 | | | 368 |
| U Upland Brush | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | 6 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | | | | | | 902 | | | 902 |
| Total | 183 | | | | 14 | | | | 16 | | 64 | 18 | | | 242 | | | | | | | | 6 | 1028 | | | 1571 |

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **148**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|-----------|-----------------------------|----------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 21465 Cds | Hardwood | 1610 Cds |
| Hardwood | 253 Mbf | Softwood | 282 Cds |
| Softwood | 561 Cds | Softwood | 1036 Mbf |
| Softwood | 2490 Mbf | Sum CutVol | 3964 Cds |
| Sum TotVol | 27512 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | 198 |
| 1571 | | | |

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 148 Entry Year: 2009

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | fdf Status | |
|--|------------|------------|-----|------------|-------------------|------------|---------------|------------------|----------------------|------------|--|
| 1 | M6 | 28 | | 65 | northern hardwood | unevenaged | thinning | 2 | | | |
| comnts Fmd : Hilly. Decent quality hardwood. Access road will impact about 300 yds. of ORV trail. Harvest stand 1 in Comp 145 with this stand. | | | | | | | | | | | |
| 10 | R9 | 15 | 77 | 62 | northern hardwood | mature | final harvest | 1 | natural regeneration | | |
| comnts Fmd : Pine looks good. Heavy hardwood understory, 20' tall/1-2" DBH. | | | | | | | | | | | |
| 13 | R9 | 6 | 77 | 62 | northern hardwood | mature | final harvest | 2 | natural regeneration | | |
| comnts Fmd : Pine looks good. Healthy, high quality. Probably some utility poles. | | | | | | | | | | | |
| 20 | R9 | 4 | 67 | 71 | northern hardwood | mature | final harvest | 2 | | | |
| comnts Fmd : Clearcut with reserves. Retain a couple red pine per acre. | | | | | | | | | | | |
| 32 | R9 | 101 | 77 | 62 | northern hardwood | mature | final harvest | 2 | | | |
| comnts Fmd : 1997 - FDF POTENTIAL. STAY BACK FROM STREAM AND LOWLAND. 2007 - White Pine is poor quality. Red Pine looks good. Heavy Sugar Maple understory. Hilly in areas. Clearcut with reserves. Convert to hardwood stand. Leave clumps of pine for retention. | | | | | | | | | | | |
| 37 | M6 | 26 | | 54 | northern hardwood | unevenaged | thinning | 2 | | | |
| comnts Fmd : Decent quality hardwood. Harvest this stand with stand in adjacent compartment. | | | | | | | | | | | |
| 38 | M6 | 18 | | 54 | northern hardwood | unevenaged | thinning | 2 | | | |
| comnts Fmd : Decent quality hardwood. Harvest this stand with stand in adjacent compartment. | | | | | | | | | | | |
| Total Acres..... | | 198 | | | | | | | | | |

Proposed Treatments With Limiting Factors **Compartment: 148** **Entry Year: 2009**

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

TREATMENT LIMITING FACTORS:

Total Acres.....0

Field Map

Compartment 148
 T33N, R03W, Sec. 5, 8, 17
 County: Cheboygan
 Unit: Indian River
 YOE: 2009
 Acres: 1,571 GIS Calculated
 Stand Examiner: Shannon Harig
 Map Revised: 4/11/2007
 Map Phase: Pre-review

05
 08
 17



Legend

- Miris Corners
- County Gravel
- Poor Dirt
- Trails
- Berms
- ORV Trails
- Snowmobile Trails
- Stand Boundary
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 400 - Thinning

