



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 117

ENTRY YEAR: 2009
Compartment Acreage: 2,394
County: EMMET

Revision Date: 4/9/2007

Stand Examiner: S. Harig

Legal Description: T37N R5W Sec. 22, 25, 26, 27, 34, 35, 36

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: The west side of the compartment is primarily Carbondale Muck and Tawas Peat. The east side is mostly Blue Lake Loamy Sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership is somewhat fragmented. The surrounding land is mostly farm land and undeveloped swamp. Topography is level to steep in some areas.

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 Maple River watershed, and contains portions of Brush Creek, W Br Maple River, and Pleasantview swamp, which is the headwaters of the W Br Maple River. Brush Creek and W Br Maple River are designated trout streams with Type 1 trout stream regulations. The prescribed management activities are appropriate for the protection of these waters.

Wildlife Habitat Considerations: This compartment contains mostly a large lowland area and northern hardwoods. The lowland area is a large deer yard, and it will have a small cut done in the north part for snowshoe hare and deer habitat. The lowland area is used by hare, bear, deer, otter, beaver, and numerous amphibians. The upland area in section 36 will have a portion of it treated to provide some structural diversity in this stand. This aspen stands that were treated in this compartment since the last review have regenerated nicely.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck, coarse-textured glacial till, lacustrine (lake) sand and gravel and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. The Devonian Bell Shale, Dundee Limestone and Detroit River Group subcrop below the glacial drift. The Dundee is quarried for limestone and the Detroit River is mined for salt other areas in the State. A gravel pit is located in Section 35 and potential is good on the uplands. 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: Good access to upland areas.

Survey Needs: None

Recreational Facilities and Opportunities: Snowmobile trail in adjacent compartment to the east.

Fire Protection:

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- ◆ Cover Type by Age Class
- ◆ Proposed Treatments – No Limiting Factors
- ◆ Proposed Treatments – With Limiting Factors
- ◆ Stand Listing – Forested
- ◆ Stand Listing – Non Forested
- ◆ Special Conservation Area (SCA) Details

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
- ◆ SCA – Special Conservation Areas



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 52117

Date: 4/30/2007

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	36.6	0	0	0	41.3	0	0	0	0	0	0	77.9
Herbaceous Openland	118	0	0	0	0	0	0	0	0	0	0	0	118
Lowland Coniferous Forest	0	0	0	0	39.7	0	0	0	403.4	195.5	217.7	0	856.3
Lowland Deciduous Forest	0	59.7	0	0	29.4	0	0	0	0	0	30.7	0	119.8
Lowland Shrub	679	0	0	0	0	0	0	0	0	0	0	0	679
Northern Hardwood	0	0	0	0	0	0	0	0	0	498.9	0	0	498.9
Planted Pines	0	0	0	0	0	0	35.8	0	0	0	0	0	35.8
Road/Parking Lot	3.6	0	0	0	0	0	0	0	0	0	0	0	3.6
Water	4.6	0	0	0	0	0	0	0	0	0	0	0	4.6
Grand Total	805.2	96.3	0	0	69.1	41.3	35.8	0	403.4	694.4	248.4	0	2393.9

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
1	52117001-Cut	30.7	6117 - Lowland Deciduous, Mixed Coniferous	6	93	0	Clearcut with Reserves	Regeneration	Lowland Deciduous, Mixed Coniferous	

Rev
Cmnt: Stand is wet.

Rev --Shannon Harig : 04/11/2007 comments:

Spec: Clearcut with reserves. Leave pockets of trees in accordance with retention guidelines. Harvest during winter or dry summer. WLD will mark trees to be felled after harvest. Leave cedar.

Next
Steps: Regeneration survey. Aspen, Black Ash, Balsam fir and spruce are acceptable regeneration.

39	52117039-Cut	35.8	42110 - Planted Red Pine	6	52	0	Crown Thinning	Intermediate Cut	Planted Red Pine	
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Rev
Cmnt: Good access. Overhead power line runs through the north end of the stand.

Rev Mark trees to cut to a residual BA of approximately 100.

Spec:

Next
Steps:

40	52117040-Cut	281.1	4110 - Sugar Maple Association	9	87	0	Crown Thinning	Intermediate Cut	Sugar Maple Association	
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Rev
Cmnt: Hilly but operable. Decent access. Good quality crop trees present.

Rev Single tree selection reducing BA to approximately 75.

Spec:

Next
Steps:

31	NF_52117031- NonFor	21.9	Herbaceous Openland	0	0	0	Non-Forest Management	Ecosystem Restoration		
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Rev
Cmnt: Encroaching woody vegetation. Spotted Knapweed also present.

Rev Treat stand to set back woody vegetation and eradicate Spotted Knapweed. Plant to native grasses.

Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 369.5**

S
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Gaylord

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 117

Entry Yr: 2009

Inventory Method: IFMAP

Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Pg. 1

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

Compartment 117
 T37N, R05W, Sec. 22, 25-27, 34-36
 County: Emmet
 Unit: Gaylord
 YOY: 2009
 Acres: 2,394 GIS Calculated
 Stand Examiner: Shannon Harig
 Map Revised: 5/05/2007
 Map Phase: Pre-Review

Field

22 26 25
 27 26 25
 34 35 36

N

Stand # Stacking Density
 23 7
 412 7
 Covertypes Code

Legend

- County Gravel Roads
- County Poor Dirt Roads
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Railroads
- Intermittent Stream/Drain
- Stream
- Stands
- Clearcut with Reserves
- Crown Thinning
- Other Treatment - See Comments

Forest Stands

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

Multipoly stands:
 Stand 23, 2 parts, split by stand 25
 Stand 26, 2 parts, split by stand 22
 Stand 32, 2 parts, split by stand 22
 Stand 40, 2 parts, split by stand 44

