



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 178

ENTRY YEAR: 2009
Compartment Acreage: 1,152
County: CHEBOYGAN

Revision Date: 4/9/2007

Stand Examiner: S. Harig

Legal Description: T36N R2W Sec. 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: Soils are mostly Rubicon-Eastlake association.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership is contiguous. The surrounding land is mostly lightly developed.

Unique, Natural Features: None known

Archeological, Historical, and Cultural Features: None Known

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment is mostly in mixed stands of aspen, oak and red or jack pine. White pine is also a significant feature on the western side of the compartment. Much of the compartment will go into, or is already in, early successional status in the next 10 years. There are areas that will be left uncut to provide structural diversity to the compartment. Oak will be maintained or increased if possible. The large opening on the north side of the compartment should be maintained as an opening and treated to remove and replace the knapweed that is present.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and ice-contact sand and gravel. The glacial drift thickness varies between 200 and 400 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is used for stone and cement products. Afton Quarry is located six miles to the south. 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 18 miles to the southwest. The Antrim Shale is absent in this area and there is no known oil and gas potential.

Vehicle Access: Good access.

Survey Needs: None

Recreational Facilities and Opportunities: No facilities exist in this compartment. Used a lot for hunting.

Fire Protection:

Additional Compartment Information: There are several areas where garbage has been dumped over the years.

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: 52178

Date: 5/2/2007

	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	21.3	0	224.1	0	13.3	33.8	0	20.8	74.1	0	0	387.4
Herbaceous Openland	29	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Coniferous Forest	0	0	0	0	0	0	0	8.3	0	0	0	0	8.3
Lowland Deciduous Forest	0	80.9	0	0	15.5	33.2	0	36	45.3	0	0	0	210.9
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	39.5	0	0	39.5
Natural Pines	0	0	0	62.2	27.8	0	0	12.8	0	4.9	66	0	173.7
Northern Hardwood	0	0	0	0	0	0	0	0	0	3.4	7.6	0	11
Oak Types	0	0	0	0	0	0	0	0	0	2.7	0	0	2.7
Other Upland Deciduous	0	0	0	0	0	0	0	7.3	0	0	0	0	7.3
Planted Pines	0	104.3	60.6	0	17.1	26.4	0	0	0	0	0	0	208.4
Upland Mixed Forest	0	0	0	15	0	0	0	59.2	0	0	0	0	74.2
Grand Total	29	206.5	60.6	301.3	60.4	72.9	33.8	123.6	66.1	124.6	73.6	0	1152.4

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
4 52178004-Cut	47.8	4131 - Aspen, Oak	6	84	0	Clearcut with Reserves	Regeneration	Aspen, Oak	
<u>Rev Cmnt:</u> A lot of White Pine regen in this stand. Propose for early treatment to coincide with road commission construction.									
<u>Rev Spec:</u> --Shannon Harig : 04/11/2007 comments: --Shannon Harig : 04/11/2007 comments: Clearcut with reserves. Leave 2 to 3 large oak or pine per acre for visual/mast production. Minimize disturbance to heavier concentrations of white pine regen when possible. Leave oak in pockets for retention.									
<u>Next Steps:</u> Regeneration survey. Aspen, oak, Red Maple and pine are acceptable regen.									
14 52178014-Cut	12.8	42220 - Natural Jack Pine	6	66	0	Clearcut	Regeneration	Planted Jack Pine	
<u>Rev Cmnt:</u> Looks healthy. Good access.									
<u>Rev Spec:</u> Clearcut without reserves to facilitate site preparation activities prior to planting.									
<u>Next Steps:</u> Regeneration survey. Some aspen and white pine would be acceptable along with the jack pine.									
18 52178018-Cut	45.3	6119 - Mixed Lowland Deciduous Forest	6	70	0	Clearcut with Reserves	Regeneration	Mixed Lowland Deciduous Forest	
<u>Rev Cmnt:</u> --Shannon Harig : 04/11/2007 comments: This stand is a little wet in the spring. Harvest during winter or dry summer if hawk nest in the stand to the north(Stand 17) is inactive.									
<u>Rev Spec:</u> Clearcut with reserves. Retain approximately 5% of stand in several pockets.									
<u>Next Steps:</u> Regeneration survey. Acceptable regen will include Red Maple, Aspen, Balsam Fir and Black Ash.									
30 52178030-Cut	20.8	4132 - Aspen, Jack Pine	9	70	0	Clearcut with Reserves	Regeneration	Aspen, Jack Pine	
<u>Rev Cmnt:</u> Good access. Aspen is starting to decline. Some blowdown.									
<u>Rev Spec:</u> --Shannon Harig : 04/11/2007 comments: Clearcut with reserves. Leave retention in pockets in accordance with retention guidelines. Leave oak in retention pockets.									
<u>Next Steps:</u> Regeneration survey. Aspen, Red Maple and Jack Pine would be acceptable regeneration.									
36 52178036-Cut	59.2	4311 - Pine, Aspen Mix	6	61	0	Clearcut with Reserves	Regeneration	Pine, Aspen Mix	
<u>Rev Cmnt:</u> Good access. Some loss of vigor in aspen and Jack Pine.									
<u>Rev Spec:</u> --Shannon Harig : 04/11/2007 comments: Clearcut with reserves. Possibly use vortices for retention purposes. Recommend tree length skidding and summer harvest scarification to facilitate natural regeneration of Jack Pine. WLD requested that up to 15% of the harvest area can remain non-stocked. Some planting may also be needed to fill in gaps if more than 15% of area has unacceptable regeneration.									
<u>Next Steps:</u> Regeneration survey. Aspen and Jack Pine are acceptable regeneration. Some planting of Jack Pine may be necessary in areas of poor natural regeneration.									

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
41 52178041-Cut	33.8	4131 - Aspen, Oak	9	58	0	Clearcut with Reserves	Regeneration	Aspen, Oak	

Rev Good access. Oak is starting to show signs of decline.
Cmnt:

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

Clearcut with reserves. Mark 1 to 2 oak per acre in reserve for mast. Recommend tree length skidding and summer cut for scarification for seed bed preparation.

Next Regeneration survey. Maple, oak and aspen regen are acceptable.
Steps:

44 52178044-Cut	3.4	4111 - S.Maple, Hard Mast Association	9	80	76	Single Tree Selection	Intermediate Cut	S.Maple, Hard Mast Association	
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Rev
Cmnt: Good quality. Some nice Red Oak. Stand is too small to be marketable by itself. It would be best to harvest this stand with the adjacent stand in the adjacent compartment (Comp 179, 2001 YOE) when it is prescribed.

Rev Single tree selection
Spec:

Next
Steps:

8 NF_52178008-NonFor	23.9	Herbaceous Openland	0	0	0	Non-Forest Management	Ecosystem Restoration		
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Rev Spotted Knapweed is beginning to take over this field. There is a foundation from a house and an old outbuilding that should be removed.
Cmnt:

Rev WLD would like to eradicate Spotted Knapweed and plant native grasses (Little Bluestem) if budget allows.
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 246.8**

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Gaylord

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 178

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:

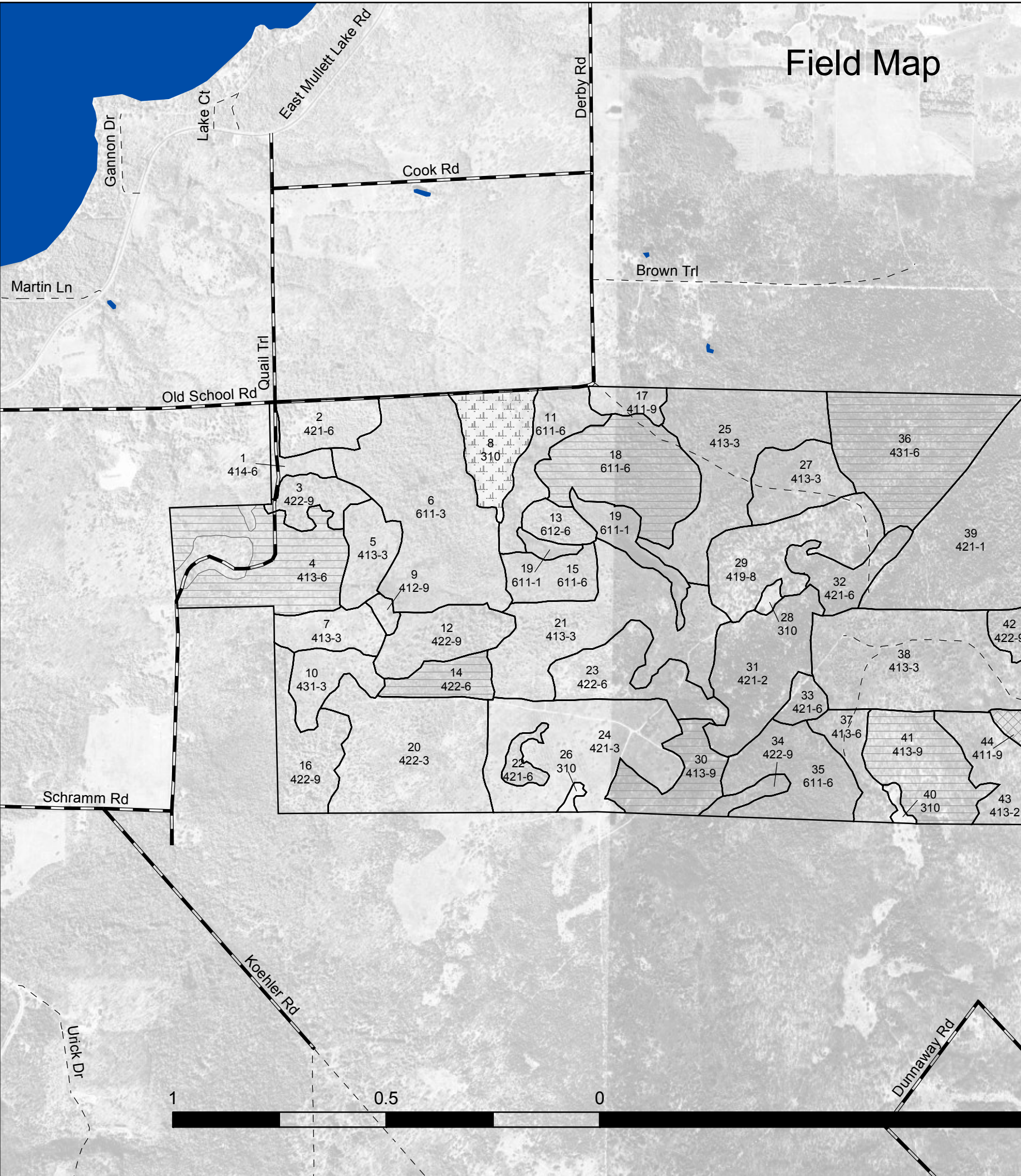
**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 178
 T36N, R02W, Sec. 35, 36
 County: Cheboygan
 Unit: Gaylord
 YOE: 2008
 Acres: 1,152 GIS Calculated
 Stand Examiner: Shannon Harig
 Map Revised: 5/03/2007
 Map Phase: Pre-review

Multi Part Polygons:
 Stand 19 (2 parts), Split by Stand 13

Slater Rd
 Slater Rd
 35 36
 DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN



Legend

- Gravel Roads
- Poor Dirt Roads
- Lakes and Rivers
- Stands
- Clearcut
- Clearcut with Reserves
- Single Tree Selection
- Other Treatment - See Comments

Forest Stands

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

- 310 - Herbaceous Openland

Stocking Density	Definition
1	Sapling Low
2	Sapling Medium
3	Sapling Well
4	Pole timber Low
5	Pole timber Medium
6	Pole timber Well
7	Sawtimber Low
8	Sawtimber Medium
9	Sawtimber Well

Stand #
 23
 Stocking Density
 7
 412
 Covertypes
 Code

