



**GRAYLING FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 246 ENTRY YEAR: 2009**

**Compartment Acreage: 1834      County: Crawford**

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**Revision Date:** 7/16/2007

**Stand Examiner:** Patrick Marolla

**Legal Description:** T28N R02W Sections 4, 5, 6      Lovells Township

**Management Goals:** : To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment. On these lands military training has precedence over resource management activities. The DNR will coordinate all prescribed activities with the National Guard to ensure they are compatible with military training needs.

**Soil and Topography:** Graycalm, Grayling, and Rubicon Sands, with flat to rolling terrain. These soil types are excessively to somewhat excessively drained.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State owned lands are under the 1935 long-term lease agreement L-1479 (Act 154 P.A. 1935) with the Michigan National Guard, Department of Military and Veteran Affairs. This long-term lease provides for usage by the military during their encampment, with no permanent buildings or improvements to be erected. Military needs take precedence over resource management needs on long-term lease lands. The DNR will coordinate all prescribed activities with the National Guard to ensure they are compatible with military training. The majority of 28N 02W is under state ownership with most of the land surrounding compartment 246 being used as an air to ground impact range.

**Unique Natural Features:** The compartment has the potential to contain the following species as identified by MNFI: Blandings turtle, Red-shouldered hawk, loon, Grizzled skipper, Glazing star borer, Doll's merolonche, Boreal brachionyncha, Bald eagle, Secretive locust, Dusted skipper, Pale agoseris, Rough fescue, Hill's thistle, and Fleshy stitchwort. There is a northern shrub thicket to the north of the compartment, pine barrens to the east, a bog to the southeast, and Shupac Lake dry sand prairie to the southeast.

**Archeological, Historical, and Cultural Features:** None at this time.

**Special Management Designations or Considerations:** Range 40 "Air to Ground" impact range, this area is used extensively for military training.

**Watershed and Fisheries Considerations:** Lonesome Lake is found a half mile to the east of the compartment in Section 3.

**Wildlife Habitat Considerations:** Management is difficult because of limited access. The constant fire activity helps to maintain early successional forest types and provides for browse and cover.

**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 600 and 800 feet. Beneath the glacial drift is the Coldwater Shale. The Coldwater does not have a current economic use. The nearest gravel pit is located several miles to the southeast, but potential is good on the upland areas. Section 6 was recently leased for oil and gas development. The nearest production is from the Antrim Shale to the north.

**Vehicle Access:** The area within the fence is inaccessible by unauthorized vehicles and personnel. Harvest operations have occurred inside the fence in the past. The small portion in Section 6 outside of the fence is accessible by several trail roads. Typically 4-wheel drive is needed in this area due to the sandy and hilly nature of the roads.

**Survey Needs:** None at this time.

**Recreational Facilities and Opportunities:** Very little recreational opportunity due to restricted access. There is casual use in the portion of Section 6 found outside of the range fence.

**Fire Protection:** Fires occur frequently within the fence and are monitored by military and DNR firefighting personnel. Direct attack operations are not recommended within the fence due to unexploded ordinances.

**LOTS Acreage:** 1833 acres

- **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

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: 246

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	335																										335	
J Jack Pine																											24	24
O Oak														449													449	
U Upland Brush																											1026	1026
Total	335													449													1050	1834

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **246**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3067 Cds	Hardwood	828 Cds
Sum TotVol	3067 Cds	Sum CutVol	828 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	69
1834			

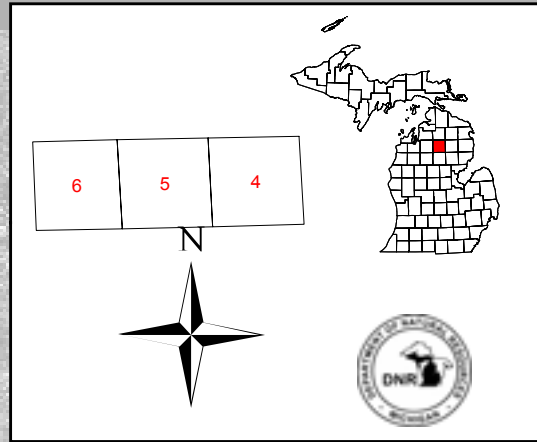
**Proposed Treatments**    **Compartment: 246**    **Entry Year: 2009**  
**With NO Limiting Factors**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
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Total Acres.....      0

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status	
2	A5	11	31	55	aspen (upland)	low quality	final harvest	2			
TREATMENT LIMITING FACTORS: Military use/easement/lease/long-term agreement											
comnts Fmd : (OUTSIDE AIR-TO-GROUND RANGE.Advanced trembling aspen reproduction, patchy clones with some scattered mature oak. Hold! Narrow stand next to fence.) Old Comment. This stand is a poor quality aspen stand adjacent to the air to ground bombing range. The aspen is financially and biologically mature throughout most of the stand however pockets of A3 are still present in areas. The aspen should be treated to regenerate the stand and all oak should be left as residual. The oak comprises less than 10 square feet of basal area which will provide mast and reduce the visual impact of the treatment. 11/16/06 PM											
3	A5	8	31	55	aspen (upland)	low quality	final harvest	2			
TREATMENT LIMITING FACTORS: Military use/easement/lease/long-term agreement											
comnts Fmd : (OUTSIDE AIR-TO-GROUND RANGE.Advanced trembling aspen reproduction, patchy clones with some scattered mature oak. Hold! Narrow stand next to fence.) Old Comment. This stand is now inside the fence for the air to ground range and there is no access. This stand is a poor quality aspen stand adjacent to the air to ground bombing range. The aspen is financially and biologically mature throughout most of the stand however pockets of A3 are still present in areas. The aspen should be treated to regenerate the stand and all oak should be left as residual. The oak comprises less than 10 square feet of basal area which will provide mast and reduce the visual impact of the treatment. 11/16/06 PM											
6	A5	50	31	55	aspen (upland)	low quality	final harvest	2			
TREATMENT LIMITING FACTORS: Military use/easement/lease/long-term agreement											
comnts Fmd : This stand is now inside the fence for the air to ground range and there is no access. This stand is a poor quality aspen stand adjacent to the air to ground bombing range. The aspen is financially and biologically mature throughout most of the stand however pockets of A3 are still present in areas. The aspen should be treated to regenerate the stand and all oak should be left as residual. The oak comprises less than 10 square feet of basal area which will provide mast and reduce the visual impact of the treatment. 11/16/06 PM											
<b>Total Acres.....</b>		<b>69</b>									

Compartment 246  
 T28N, R2W, Sec. 4-6  
 County: Crawford  
 Unit: Grayling  
 YOE: 2009  
 Acres: 1,834 GIS Calculated  
 Stand Examiner: Patrick Marolla  
 Map Revised: 8/29/2007  
 Map Phase: Pre-review



# Field Map

**Legend**

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Fence
- Stand Boundary
- 100 - Final Harvest

