



**GRAYLING FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 244 ENTRY YEAR: 2007**

**GIS Compartment Acreage: 1898 County: Crawford**

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**Revision Date:** 9-8-2005

**Stand Examiner:** Jason Lewicki

**Legal Description:** T28N R3W Sections 10,11,and 12

**RMU (if applicable):** N/A

**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.

**Soil and Topography:** Soils generally consist of Blue Lake and Rubicon sands. Topography is gently rolling with a few areas of moderate slope.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** There is 40 acres of private property in the SWSW of section 10. The remainder of section 10 is under the 10 year management agreement with the Michigan National Guard. Lands in section 11 & 12 are a mix of military board lands or state land leased to the Michigan National Guard under L-1479 allowing long term military use of the property.

**Unique, Natural Features:** Stand 412 contains old apple orchard and prairie moonwort along with multiple firing points.

**Archeological, Historical, and Cultural Features:** Possible historic sites associated with the old orchard. None found.

**Special Management Designations or Considerations:** Military training.

**Watershed and Fisheries Considerations:** There is a small Kettle hole in section 12(stand 230). Bull Frog Lake and part of Barnes Lake found on Range 40.

**Wildlife Habitat Considerations:** Some old well sites could be used as maintained openings.

**Mineral Resource and Development Concerns and/or Restrictions:** Numerous active and abandoned gas wells and pipelines throughout the compartment.

**Vehicle Access:** Vehicle access is good off Sherman and Calker roads. Calker road is not maintained after White road. There are many trail roads throughout and some are well maintained even throughout the winter by oil and gas operations. This area also sees heavy military vehicle use creating numerous roads. No roads were identified for closure.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** Hunting opportunities are high due to good access and multiple age and multiple cover types for wildlife.

**Fire Protection:** Wildfire is a concern here due to heavy military operations on the air to ground impact range (range 40). Large wildfire potential is minimal due to hardwood cover types. Access is good into this area due to military road systems. There is a possible water point in section 12(stand 230).

**Additional Compartment Information:**

**LOTS Compartment Acreage:** \_\_\_\_\_

- **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: **244**

**Table 3**

(acres shown in boxes)

**STAND AGE CLASS**

COVER TYPE	Not	STAND AGE CLASS														All Aged	Total		
	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
Aspen		113	97	373	260	39	32	123	99										1136
Bog or Marsh	26																		26
Grass	100																		100
Lowlnd Poplr									22										22
Paper Birch									75										75
Red Pine						76			2										78
Upland Brush	329																		329
Upland Hdwds																		116	116
Water	9																		9
White Pine								7											7
<b>Total</b>	<b>464</b>	<b>113</b>	<b>97</b>	<b>373</b>	<b>260</b>	<b>115</b>	<b>32</b>	<b>130</b>	<b>198</b>									<b>116</b>	<b>1898</b>

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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: 244

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	1136																										1136
V Bog or Marsh			26																								26
G Grass					100																						100
P Lowlnd Poplr										22																	22
B Paper Birch															75												75
R Red Pine																78											78
U Upland Brush																								329			329
M Upland Hdwds																								116			116
Z Water																									9		9
W White Pine																										7	7
<b>Total</b>	<b>1136</b>		<b>26</b>		<b>100</b>					<b>22</b>					<b>75</b>	<b>78</b>							<b>329</b>	<b>116</b>	<b>9</b>	<b>7</b>	<b>1898</b>

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **244**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8958 Cds	Hardwood	3112 Cds
Hardwood	284 Mbf	Hardwood	22 Mbf
Softwood	1442 Cds	Softwood	56 Mbf
Softwood	212 Mbf	Sum CutVol	3268 Cds
Sum TotVol	11392 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	212
1898			

**GRAYLING FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 244**    **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>7</b>	<b>A5</b>	14	45	52	aspen (upland)	mature	final harvest	1		
comnts Fmd : Some hawthorn in understory. Valley of lower site(poor quality) aspen than ridges to the east and west. Stand will regenerate to aspen. Some hard maple in understory.										
<b>17</b>	<b>A5</b>	61	66	50	aspen (upland)	mature	final harvest	1		
comnts Fmd : Low quality aspen stand. Mostly quaking w/ scattered BTA and some BTA on south ridge. Some scattered white and red pine with pocket of red pine in NE. Large burnt white pine stumps. Final harvest, leave all pine for structure. Stand will regenerate to aspen after harvest. Old SI										
<b>20</b>	<b>A6</b>	62	58	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Mature quaking aspen stand with pockets of big tooth. Scattered hard maple and basswood. A few elm present. Final harvest for new age class in aspen within the compt. Possibly save a few hard maple clumps. Hard maple understory, scattered ironwood. Stand is along sherman road. Visual concerns regarding the harvest should be minimal due to leaving a few maple clumps and two northern hardwood stands along the road(14, 114).										
<b>Total Acres.....</b>		<b>137</b>								

**GRAYLING FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 244**    **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
26	B6	75	68	60	paper birch	mature	final harvest	1	other - specify in remarks	

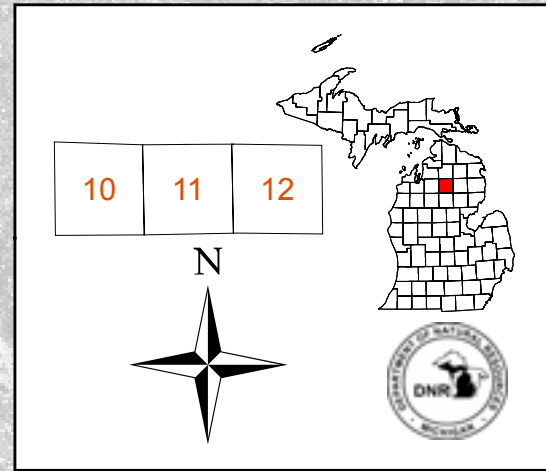
TREATMENT LIMITING FACTORS: Military use/easement/lease/long-term agreement

comnts Fmd : MADE HALF OF THIS STD INTO STD 16 (old comment). Coded as Aspen last entry. Mostly paper birch (0-80 BA) pole timber stand with scattered aspen in clones. Some far scattered red oak sawlogs. A few hard maple poles. Hard maple, hawthorn and which hazel present in understory. Final harvest but leave some white birch in scattered islands for seed and windfirmness. Also leave a few large crowned red oaks for mast Harvest should be restricted to sept 15 - dec 1st and march 15 - may 1st. This time restriction is to limit harvesting to no snow conditions to encourage site scarification. Burn the following season to further prepare seed bed and reduce aspen competition. Protect birch islands from fire by plowing or "wetlineing". If site is not burned within 1 year will accept a mix of species including aspen and maple.

**Total Acres..... 75**

# Field Map

Compartment 244  
 T28N, R3W, Sec. 10-12  
 County: Crawford  
 Unit: Grayling  
 YOE: 2007  
 Acres: 1,898 GIS Calculated  
 Stand Examiner: Jason Lewicki  
 Map Revised: 9/15/2005  
 Map Phase: Pre-review



**Legend**

- ◆ RLS Corners
- Miris Corners
- - - Poor Dirt Roads
- +— Range 40 Boundary
- ⊗ Active Oil Wells
- ▭ Stand Boundary
- ▨ 100 - Final harvest
- ▩ 197 - Final harvest/Other/Prescribed burning

**Name** Paved Roads  
**Name** Poor Dirt Roads

