

# Compartment Review Presentation Grayling Forest Management Unit

## Compartment #255

Entry Year: 2008

GIS Compartment Acreage: 1979

County: Crawford, Grayling Twp.

Revision Date: 10/16/2006

Stand Examiner: Craig Farrer

Legal Description: T27N R02W Sections 19, 20, 21

**Management Goals:** To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversification, and structural diversity within the compartment. Fenced military training areas in sections 19 & 20 are inaccessible for general forest management purposes.

**Soils and Topography:** The compartment has gently rolling to hilly terrain throughout, with soil types including Roselawn and Grayling sands.

**Ownership Patterns, Development, & Land Use In & Around The Compartment:** The compartment is solid state and military board land. The compartment is also surrounded by solid state and military board land. The primary use in and around the compartment is military training.

**Unique, Natural Features:** A Northern fen natural community has been identified within the MPRC. Hill's thistle and rough fescue have also been found within the fenced range and there is the potential for other dry prairie plants such as Alleghany plum and pale agoseris to occur in grassy openings and open jack pine. Dusted skipper, grizzled skipper and red-legged spittlebug may also occur in those habitat types.

**Archeological, Historical, & Cultural Features:** None.

**Special Management Designations or Considerations:** The Michigan Army National Guard's MPRC (Multi-Purpose Range Complex, formerly known as Range 30) encompasses section 19 and the west half of section 20. Heavy military training use occurs both outside and within the fenced MPRC.

**Watershed and Fisheries Considerations:** A small lake, Kyle Lake, exists within the MPRC fence in section 19.

**Wildlife Habitat Objectives:** Priority wildlife species to maintain habitat for include White-tail Deer and Ruffed Grouse.

**Mineral Resource and Development Concerns / Restrictions:** Because of its military use, no oil/gas development exists within the compartment and the area is classified as non-development. Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Marshall Sandstone. The Marshall was previously used as a building stone. A gravel pit is located one mile to the northwest and potential is good. The compartment is located five miles west of Conner's Marsh Field. The field has produced over 20 Bcf gas from the Ordovician Prairie du Chien.

**Vehicle Access:** With the exception of the fenced MPRC, the compartment can be accessed from the north and south on Stephan Bridge Road. Two-tracks that extend east from Stephan Bridge Road traverse along the north and south borders of the compartment and end at the tank trail on the compartment's east edge. Several other trails traverse the compartment also.

**Survey needs:** None

**Recreational Facilities and Opportunities:** Within the compartment, recreational opportunities exist east of Stephan Bridge Road and include hunting, berry picking and snowmobiling, although no designated snowmobile trails occur there.

**Fire Protection:** Fire protection falls under the jurisdiction of the Grayling Volunteer Fire Department, Military Fire Department and the Michigan Department of Natural Resources. Kyle Lake, inside the MPRC in section 19, is the closest water source. With permission of the military, this water source is accessible. Wildfires are likely to occur within this compartment due to the heavy use by the military in the spring and summer months.

**Additional Compartment Information:** None

**LOTS Compartment Acreage:** 1873

- **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: 255

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
G Grass					11																						11
J Jack Pine							289							46													335
X Non Stocked													67														67
O Oak														735													735
R Red Pine																123											123
U Upland Brush																								612			612
Z Water																									5		5
<b>Total</b>					11		289						67	781		123								612	5		1888

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **255**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6007 Cds	Hardwood	960 Cds
Hardwood	440 Mbf	Hardwood	267 Mbf
Softwood	3484 Cds	Softwood	571 Cds
Softwood	42 Mbf	Sum CutVol	2065 Cds
Sum TotVol	10455 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	143
1888			

**GRAYLING FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 255**    **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
19	O9	97	91	50	oak	mature	final harvest	1	natural regeneration	

comnts Fmd : Large mature Oak stand with an O1/M1 understory. Thinned in 1999, under timbersale contract #07-98-01 Stephan 20 thin. Stand is under long term military lease and west side of stand borders Stephan Bridge Road. Will accept a mix of regeneration, such as Red Maple, Aspen and Pine along with the Oak. Recommend a final harvest with 1 acre patches scattered throughout the total acreage of the stand. ((1 island per 5 acres)). This retention is for strutural diversity and military blockage.

**Total Acres..... 97**

**GRAYLING FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 255**    **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
23	J6	46	58	48	oak	two aged	final harvest	1	natural regeneration	

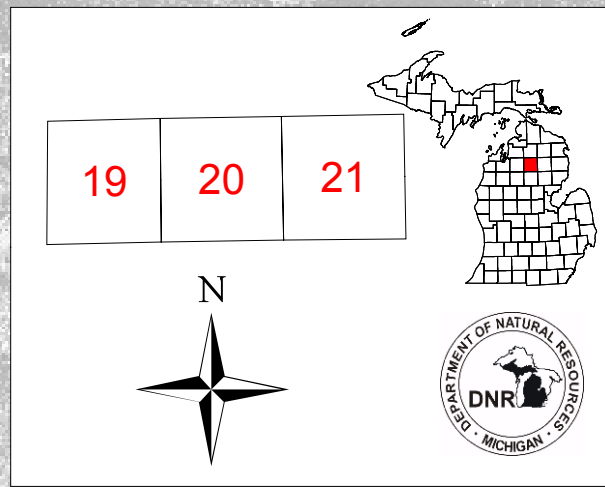
TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

comnts Fmd : Forty acre stand of Jack Pine mixed with Oak and Red Pine. Two aged stand with an understory of O2J1R1. Under long-term military leased. Recommend final harvest, but leave pockets(clumps of trees) for structural diversity for wildlife (Wildlife Div.).Protect all Oak and Red Pine regeneration as possible. Use military restrictions. Ketchum Truck Trail traverses through the stand.

**Total Acres..... 46**

# Field Map

Compartment 255  
 T27N, R02W, Sec. 19, 20, 21  
 County: Crawford  
 Unit: Grayling  
 YOE: 2008  
 Acres: 1,888 GIS Calculated  
 Stand Examiner: Craig Farrer  
 Map Revised: 10/16/2006  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Fence
- Stand Boundary
- 146 - Final harvest/Natural regeneration

