



**GRAYLING FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 252 ENTRY YEAR: 2009

Compartment Acreage: 1,764 County: Crawford

Revision Date: 08/28/2007

Stand Examiner: Craig Farrer

Legal Description: T27N R02W Sections 4, 5, and 6 NE Grayling 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.

Soil and Topography: The compartment is generally flat to gently rolling terrain. However, some steep terrain exists in the northeast portion of the compartment. Soils consist primarily of Graycalm Sands or Roselawn and are well-drained.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The entire compartment is a mix of military board and long term lease lands. Much of this area is under the 1935 long-term lease agreement L-1479 (Act 154 P.A. 1935) with the Michigan National Guard, Department of Military Affairs. The agreement provides for use 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 needs.

Unique, Natural Features (include only non-site specific and non-sensitive information): The compartment has the potential or may contain Dry Prairie plant and animal associations (Hill's Thistle, Rough fescue, Alleghany Plum, Pale agoseris, Dusted skipper and the Grizzled skipper. All of these species are either of a special concern, threatened or endangered.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None.

Special Management Designations or Considerations: The protection of Frog Lake restoration area; any and all military concerns and any threatened, endangered or special concerned species that may exist within the compartment.

Watershed and Fisheries Considerations: Both small and large Frog Lakes exist within the compartment. Fisheries Division prefers that forest cover be left around both lakes.

Wildlife Habitat Considerations: To manage and maintain existing cover types within the compartment and to improve habitat conditions for a wide variety of non-game and game wildlife.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of ice-contact outwash sand and gravel. 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. A gravel pit is located one mile to the southwest and potential is good. Currently, there are no oil and gas leases in this compartment.

Vehicle Access: Access into and through the compartment can be obtained by Jones Lake Road and Stephan Bridge Road. Several two tracks exist off of these two County Road into the compartment. West side of the compartment is a Military Tank trail. Most of these roads and trails are passable with a two wheel drive vehicle but, they may be closed during military use or firing.

Survey Needs: None.

Recreational Facilities and Opportunities: Dispersed recreational opportunities exist throughout the compartment. Such recreational opportunities may include fishing, hunting, camping and mushrooming. The compartment also contains a portion of designated snowmobile trail no. 47. Jones Lake SFCG is located to the north of the compartment in section 31.

Fire Protection: Fire protection is the responsibility of the Michigan Department of Natural Resources and the Lovell's and Grayling Township Volunteer Fire Departments. Assist from Camp Grayling (National Guard) can be obtained for this area due to heavy National Guard Training. The nearest water supply is Jones Lake and Frog Lakes.

LOTS Compartment Acreage: 1788

Additional Compartment Information:

- **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: 252

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	254																										254
G Grass					126																						126
J Jack Pine	15						589																				604
N Marsh											3																3
O Oak														735													735
R Red Pine																9											9
Z Water																									33		33
Total	269				126		589				3			735		9									33		1764

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **252**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7139 Cds	Hardwood	2140 Cds
Hardwood	851 Mbf	Hardwood	332 Mbf
Softwood	5987 Cds	Softwood	526 Cds
Softwood	809 Mbf	Softwood	81 Mbf
Sum TotVol	16446 Cds	Sum CutVol	3492 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	283
1764			

GRAYLING FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 252 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
4	O6	104	75	48	oak	two aged	selection	1		
<p>comnts Fmd : Mixed stand of Oak, Aspen, Red Maple and Jack Pine. Possibly two or more age classes. Scattered pockets of Aspen varying in size. Found on slightly rolling terrain.with an O2/A2/M1 understory. Bracken fern for ground cover. Stand is under long-term military lease. Recommend cutting the pockets of Aspen throughout the stand and all Red Maple and Jack Pine. Good advanced oak regeneration probably due to tank traffic in past. Protect advanced oak regeneration. . Being military, want to leave oak overstory to prevent future tank traffic to protect area. Do not open up too much to discourage military training and traffic. Expand aspen clones where possible by marking out oak.</p>										
10	O6	44	85	47	oak	mature	final harvest	1		
<p>comnts Fmd : 2007 Notes: Mature or two aged stand of Mature Oak and Jack Pine over Oak pole timber and saplings. Past heavy military use. Present military use not much if any. Stand is under long-term military lease. Recommend cutting everything 9 inches and up. Protect as much of the young Oak (smaller diameter trees) and Oak regeneration as possible. Manage for Oak with a mix of other species. Leave a buffer along trail to the north to hide cut and to discourage military traffic from going off trail.</p>										
18	O6	59	69	46	oak	mature	final harvest	1		
<p>comnts Fmd : 2007 Notes: Mature Oak stand mixed with Aspen and Jack Pine. Portion of this stand borders Stephan Bridge Road. Stand is under long-term military. Recommend final harvest, but leave patches of an acre in size scattered throughout the stand. Protect any advance Oak regeneration in seedling/sapling size. Try to leave retention along trail to discourage military traffic from leaving off road to train in cut over stand. Previous field notes:SMALLER ON THE EAST SIDE , MORE LOGS BY THE ROAD.</p>										
19	J6	15	55	47	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : Mature mixed stand of Jack Pine, Oak and Aspen. Level terrain. West side of stand borders Stephan Bridge Road. North end of the stand borders the Lewistion Grade/Lovells Snowmobile trail. Understory consists of O2/M2 (mostly Red Maple). Stand is under Military lease. Recommend final harvest with retention patches. Protect Oak regeneration, hawthorn and serviceberry as much as possible. Try to expand the Aspen within the stand. Leave the snags where possible. Should regenerate naturally. Will except all species. Try to manage for Aspen or Aspen/Oak. Will accept whatever natural regeneration we get, as we cannot plant due to military restrictions. Per pre-review, minimize retention to maximize aspen and oak reproduction in stand. But try to leave retention patches along trail to discourage traffic from leaving trail- particularly military.</p>										
24	O6	54	71	46	oak	two aged	shelterwood-seed	1		
<p>comnts Fmd : 2007 Notes: Oak stand found on very rolling terrain (steep slopes and deep valleies or pockets). Parts of stand may not be loggable. Jack Pine, Red Pine and Aspen scattered throughout the stand. More Red Pine in the north end of stand. Small bog pockets located within the stand also. Stand is under long-term military lease. I believe the stand is of two ages. Recommend some type of shelterwood, final harvest with patches or nothing at all. Check with Silviculturalist and Wildlife Division on what may or may not be best for the stand.</p>										
28	A6	7	59	51	aspen (upland)	mature	final harvest	1		
<p>comnts Fmd : Aspen stand with scattered Jack Pine, Red Pine sawtimber. O1 understory and bracken fern,grasses and serviceberry for ground cover. Recommend final harvest with no retention and expand the Aspen as much as possible. When putting in boundary lines, expand into stand 29 to the north up to stand 403, grassy opening. Access from the north and expand into adj jp stand to promote aspen in area.Expand into stand 29 where possible to convert to aspen and move away from JP mgt in the military area.</p>										
Total Acres.....		283								

**Proposed Treatments
With Limiting Factors**

Compartment: 252

Entry Year: 2009

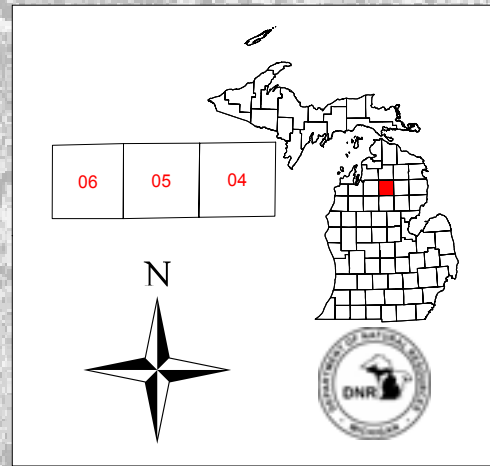
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 252
T27N, R02W, Sec. 4, 5, 6
County: Crawford
Unit: Grayling
YOE: 2009
Acres: 1,764 GIS Calculated
Stand Examiner: Craig Farrer
Map Revised: 8/29/2007
Map Phase: Pre-review



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Stand Boundaries
- 100 - Final Harvest
- 300 - Shelterwood-seed
- 800 - Selection

