



**GRAYLING FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW RESENTATION**

COMPARTMENT # 232 ENTRY YEAR: 2007

GIS Compartment Acreage: 1401 County: Crawford

Revision Date: 9-8-2005

Stand Examiner: Jason Lewicki

Legal Description: T25N, R3W, Sections 1, 2 and 12

RMU (if applicable):

Management Goals: To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management. In addition, to maintain a healthy habitat for the endangered species *Dendroica kirtlandii* (Kirtland's Warbler), taking into account warbler management plan directives, species diversity, and visual management.

Soils and Topography: Topography is generally flat and consists primarily of Grayling sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Small private tracts are present throughout the compartment. There is also 40 acres of US Fish and Wildlife in section 1. Jelley Stone park, mostly an RV park is just north of the compartment along 4-mile road.

Unique, Natural Features : Kirtlands Warbler

Archeological, Historical, and Cultural Features: The Pere Cheney Ghost Town is just south of the compartment in section 11

Special Management Designations or Considerations: Pere Cheney Kirtlands Warbler Management Unit.

Watershed and Fisheries Considerations: None

Wildlife Habitat Considerations: Pere Cheney Kirtlands Warbler Management Unit

Mineral Resource and Development Concerns and/or Restrictions: Lakehead Pipeline runs through section 2.

Sections 1, 2 & 12, T25N-R3W, Crawford County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. A gravel pit is located in Section 16, State's 7 Mile Pit, and potential is good on the upland areas. The nearest production is Beaver Creek Field, located two miles to the southwest. The field has produced over 21 MBO from the Devonian Richfield and over 5 Bcf gas from the Ordovician Prairie du Chien. The Compartment is not leased for oil and gas development

Vehicle Access: Vehicle access throughout the compartment is good. 4- Mile, Staley Lake, and Pere Cheney roads are all paved county roads. Beasley and 5-mile road are maintained dirt roads. There are also numerous trail roads throughout the compartment. All new roads created through management activities are to be closed upon completion. No existing roads have been identified for closure.

Survey Needs: None needed at this time.

Recreational Facilities and Opportunities: The 4-Mile Trail Camp is a designated State Forest Campground located in section 1 and is primarily used by horse riding groups. There also is the designated Michigan rideing-hiking trail within the compartment. The snowmobile trail #489 uses the Lakehead Pipeline in section 2. Hunting opportunities throughout the compartment are very limited due to Kirtlands Warbler management plans.

Fire Protection: This compartment is a concern for potential large wildfires. This is due to the compartment having over 95% of the acreage in a upland conifer cover type. There is also a large amount of urban interface within and around the compartment. Equipment access is good throughout the compartment though sandy soils may pose some problems in off road operations. There are no water points within the compartment or surrounding areas. There are old proposed fuel break plans for this compartment. One is along the Lakehead Pipeline in section 2 and the other is along the west boundary of this compartment. At this time no fuel breaks are in place. The Lakehead Pipeline in section 2 could pose a problem when plowing in a fire line.

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: 232

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					6																						6
J Jack Pine							1290																				1290
O Oak														64													64
R Red Pine																35											35
W White Pine																										6	6
Total					6		1290							64		35										6	1401

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

CRAWFORD COUNTY

COMPARTMENT: **232**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	353 Cds	Hardwood	58 Cds
Hardwood	79 Mbf	Hardwood	10 Mbf
Softwood	4147 Cds	Softwood	246 Cds
Softwood	660 Mbf	Softwood	90 Mbf
Sum TotVol	5978 Cds	Sum CutVol	504 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	49
1401			

GRAYLING FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 232 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status	
6	R9	29	89	60	red pine	mature	seed tree	1			
<p>comnts Fmd : Nice red pine stand mixed with some jack pine and oak. Harvest all jack pine and oak 4" and over and some red pine. Some areas have good advanced white pine and oak regen. Some red pine and jack pine regen also present. Manage for mixed stand. Harvest with no snow on the ground to promote scarification and seeding. If sufficient natural regeneration does not occur, plant with a mix of red and jack pine. Do not put on contract.</p>											
208	J5	8	78	54	jack pine	mature	final harvest	1	planting		
<p>comnts Fmd : Overstory jack is old and overmature. Some old Pin oak mixed in.... Final harvest and plant jack pine for buffer when st. 9 is eventually cut. Per wildlife, do not replant south end of stand.</p>											
308	J5	7	80	54	jack pine	mature	final harvest	1	planting		
<p>comnts Fmd : Old jack pine stand. O2/W2 understory. Some budworm damage. Final harvest and plant to jack pine for buffer when stand 9 is eventually cut.</p>											
Total Acres.....		44									

GRAYLING FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 232 Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
80	J5	5	80	54	jack pine	mature	final harvest	1	planting	

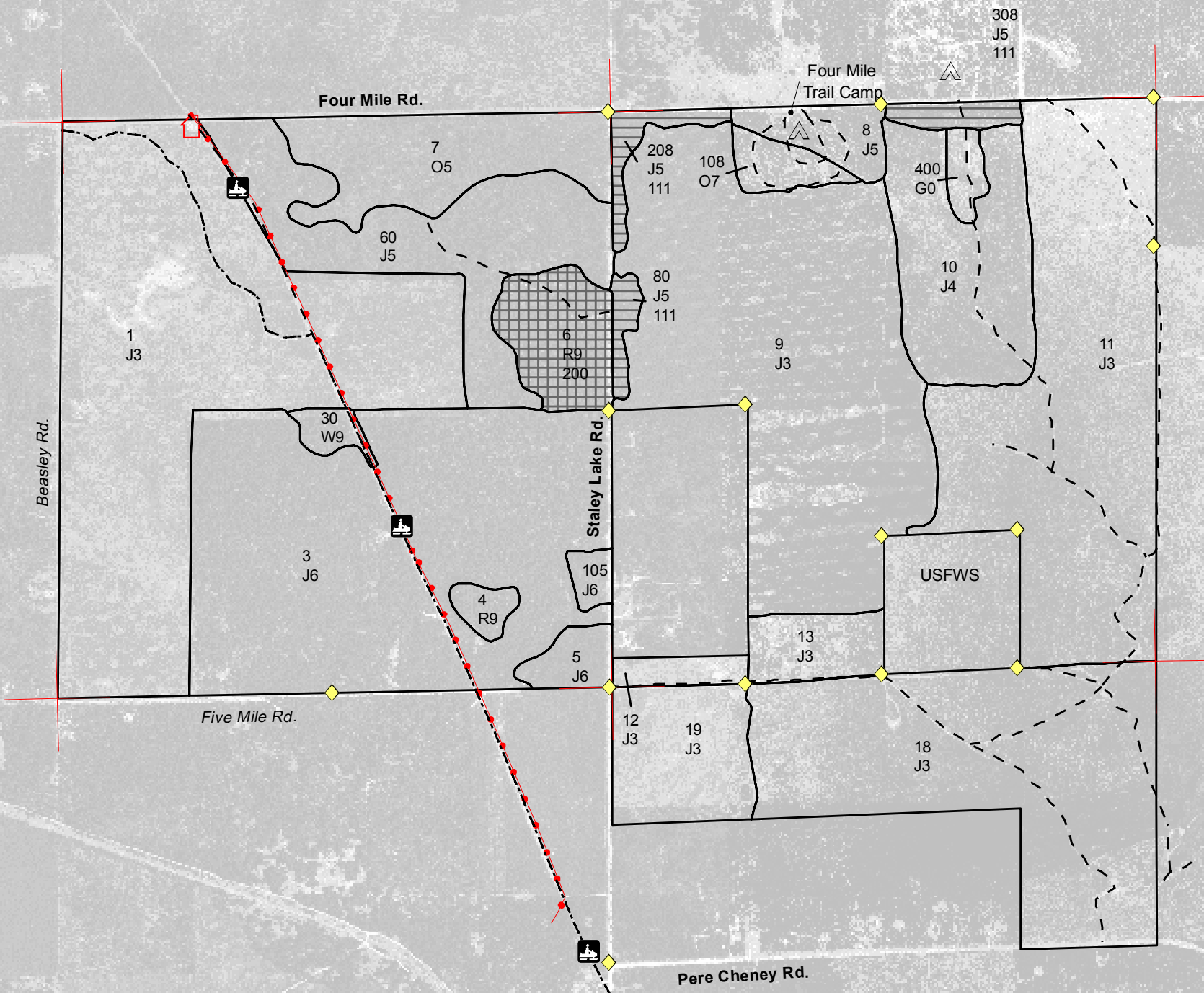
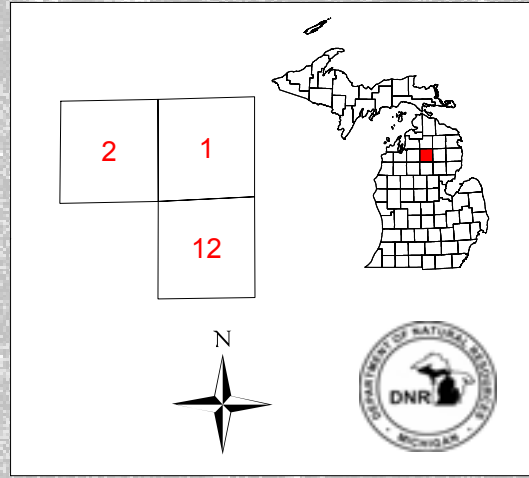
TREATMENT LIMITING FACTORS: Recreational site

comnts Fmd : Old jack pine stand. O2/W2 understory. Some budworm damage. Final harvest and plant to jack pine for buffer when stand 9 is eventually cut.

Total Acres..... 5

Field Map

Compartment 232
 T25N, R3W, Sec. 1, 2, 12
 County: Crawford
 Unit: Grayling
 YOE: 2007
 Acres: 1,401 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 9/19/2005
 Map Phase: Pre-review



Legend

- RLS Corners
- Miris Corners
- Poor Dirt Roads
- Trails
- Pipelines
- Campground
- Gate Station
- Snowmobile Trails
- Stand Boundary
- 111 - Final Harvest/Planting/Hand Tools
- 116 - Final Harvest/Planting
- 200 - Seed tree

Name Paved Roads
Name Gravel Roads

