



**GRAYLING FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW RESENTATION**

**COMPARTMENT # 272 ENTRY YEAR: 2008**

**GIS Compartment Acreage: 2310 County: Crawford**

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**Revision Date:** October 9, 2006

**Stand Examiner:** Joan Charlebois

**Legal Description:** T28N R1W Sections 13, 14, 15, 17, 20

**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:** The terrain is flat to gently rolling on predominantly Grayling sand, with organic soils adjacent to wetlands and the Middle Branch of Big Creek. East of the Creek, there is also Croswell-AuGres, Croswell, Kinross-AuGres and Kellogg sands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The ownership is nearly solid State, with two blocks of private and an eighty of USF&WS property.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** Kirtland's warbler has been found throughout the compartment, as well as Eagle in Section 13. In addition, there is the potential for massasauga rattlesnake, Blanding's turtle, and wood turtle along the Middle Branch Big Creek; eagle, osprey, and great blue heron rookeries; secretive locust in bogs; dry prairie plants and dusted skipper, grizzled skipper and red-legged spittlebug in grassy openings and open jack pine stands.

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

**Special Management Designations or Considerations:** The compartment is part of the Lovells Kirtland's Warbler (KW) Management Block #52.

**Watershed and Fisheries Considerations:** The Middle Branch of Big Creek is part of the AuSable's Natural River designation.

**Wildlife Habitat Considerations:** While the primary focus is on maintaining habitat for the endangered Kirtland's Warbler, a variety of other game and non-game species benefit from the compartment's jack pine cover.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Coldwater Shale. The Coldwater does not have a current economic use. There are not any gravel pits in the area, but there should be some potential. The compartment is mostly leased for oil and gas development of the Antrim Shale.

**Vehicle Access:** County roads within the compartment include CR 612, F-97, Walsh Road, Chiefs Trail and County Line Trail. There is also a network of forest roads, but access is limited within the large planted jack pine blocks.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** The compartment is crossed by the Grayling-to-Lovells Loop and Roll Trail Loop snowmobile trails, the Midland-to-Mackinac Hiking Trail and the Shore-to-Shore Riding/Hiking Trail.

**Fire Protection:** The compartment contains large contiguous blocks of densely-stocked jack pine. The bridge across the Creek on Chiefs Trail is a water source within the compartment.

**LOTS Compartment Acreage:** \_\_\_\_2360\_\_\_\_

- **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**