



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 186 ENTRY YEAR: 2009

Compartment Acreage: 1359 County: Roscommon

Revision Date: 08-28-2007

Stand Examiner: J. Hartman

Legal Description: T21N R4W sections 9 and 16

Management Goals: Manage the Kirtland's Warbler dedicated lands in conjunction with the goals for Management block #12.

Soil and Topography: This compartment is primarily outwash plain transitioning to pitted outwash deposits in the hills to the east. Digitized Kotar maps indicate that the compartment is primarily ParVHa habitat types.

Ownership Patterns, Development, and Land Use in and Around the Compartment: USFWS owns two parcels in this compartment and there are two other inholdings owned by private landowners.

Unique, Natural Features: Kirtland's warbler has been documented throughout this compartment. Records indicate two specific locations of Fragile prickly pear. Hill's thistle, Rough fescue, and Allegheny plum have all been identified in the vicinity and have the potential to thrive in openings.

Archeological, Historical, and Cultural Features: The Beaver Lake Townsite (1872-1910) was located along the railroad within this compartment. Two abandoned railroad lines that serviced the town are still visible north of St. Helens Trail. Records from 1998 indicate that a plan to maintain a fuel break along this corridor was discontinued due to the potential to disturb artifacts.

Special Management Designations or Considerations: All of the Kirtland's warbler lands are dedicated High Conservation Value Areas (HCVA's).

Watershed and Fisheries Considerations: None.

Wildlife Habitat Considerations: Follow existing plans for Kirtland's warbler habitat that are in place.

Mineral Resource and Development Concerns and/or Restrictions: 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 Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. Gravel pits are not located in the area, but potential should be good on the uplands. The Rose City Fields are located four miles to the northeast. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. The State lands in the Compartment are not currently leased.

Vehicle Access: Vehicle access is good throughout the area. The terrain around Preacher Hill is not operable.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Snowmobile trail runs through several parts of this compartment. The Ogemaw Hills ORV trail is located just to the east of section 33, which may be contributing to some of the damage at Preacher's Hill.

Fire Protection: Some fuel breaks have been planned in and around this compartment. A GIS version of the plan is in the process of being developed, which will specify the locations for the fuel breaks.

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- ◆ **Cover Type by Age Class**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Listing – Forested**
- ◆ **Stand Listing – Non Forested**
- ◆ **Special Conservation Area (SCA) Details**

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**
- ◆ **SCA – Special Conservation Areas**





| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Stage 1 Acres Summary By Level 3 Cover Type By Age | | | | | | | | | | | | |
| Compartment: 71186 | | | | | | | | | | | | |
| Date: 9/7/2007 | | | | | | | | | | | | |

| | 0 | 1-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | >89 | Uneven Age | Grand Total |
|-------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------------|-------------|
| Aspen Types | 0 | 0 | 21.4 | 9.3 | 40.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.1 |
| Mixed Upland Deciduous | 0 | 34.7 | 17.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.1 |
| Natural Pines | 0 | 0 | 65.7 | 42.7 | 0 | 0 | 359.9 | 0 | 0 | 0 | 0 | 18 | 486.3 |
| Oak Types | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 278.9 | 0 | 0 | 278.9 |
| Planted Pines | 0 | 0 | 325.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325.6 |
| Upland Shrub | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145 |
| Grand Total | 145 | 34.7 | 430.1 | 52 | 40.4 | 0 | 359.9 | 0 | 0 | 278.9 | 0 | 18 | 1359 |

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S
t
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n
d

| Treatment Name | Acres | Stage1 CovType | Size Density | 1st Age | 2nd Age | Treatment Method | Treatment Purpose | Cover Type Objective | Pg. 1 |
|------------------------|-------|------------------|--------------|---------|---------|------------------|-------------------|----------------------|-------|
| 4 71186004-Burn | 15.4 | 4129 - Mixed Oak | 8 | 86 | 5 | Prescribed Burn | Other - Specify | | |

Rev Cmmt: Open oak stands that is starting to regenerate some jack pine and oak, but primarily cherry. Some scattered slash present from recent harvest.

Rev Spec: Rx burn as part of the fuel break complex.

Next Steps: Continue burning at appropriate intervals for maintaining an open understory structure with low fuel buildup.

| | | | | | | | | | |
|--------------------------|------|-------------------------------------|---|---|---|------------|--------------|--|--|
| 19 71186019-Plant | 34.7 | 4199 - Other Mixed Upland Deciduous | 4 | 5 | 0 | Hand Plant | Regeneration | | |
|--------------------------|------|-------------------------------------|---|---|---|------------|--------------|--|--|

Rev Cmmt: Failed clear-cut. Pin Cherry and Aspen are about 10 ft tall. Has well scattered oak regen, but overall primarily cherry.

Rev Spec: Trench around aspen clones and plant red pine, Try to damage as much cherry as possible when trenching.

Next Steps:

**Total Treatment
Acreage Proposed: 50.2**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

S
t
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d

Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

Next
Steps:

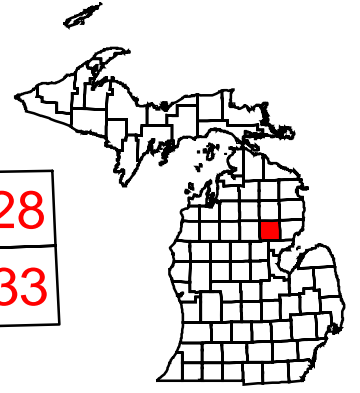
**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 186
 T23N, R01E, Sec. 20, 28, 29, 32, 33
 County: Ogemaw
 Unit: Roscommon
 YOE: 2009
 Acres: 1,359 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 9/05/2007
 Map Phase: Pre-Review

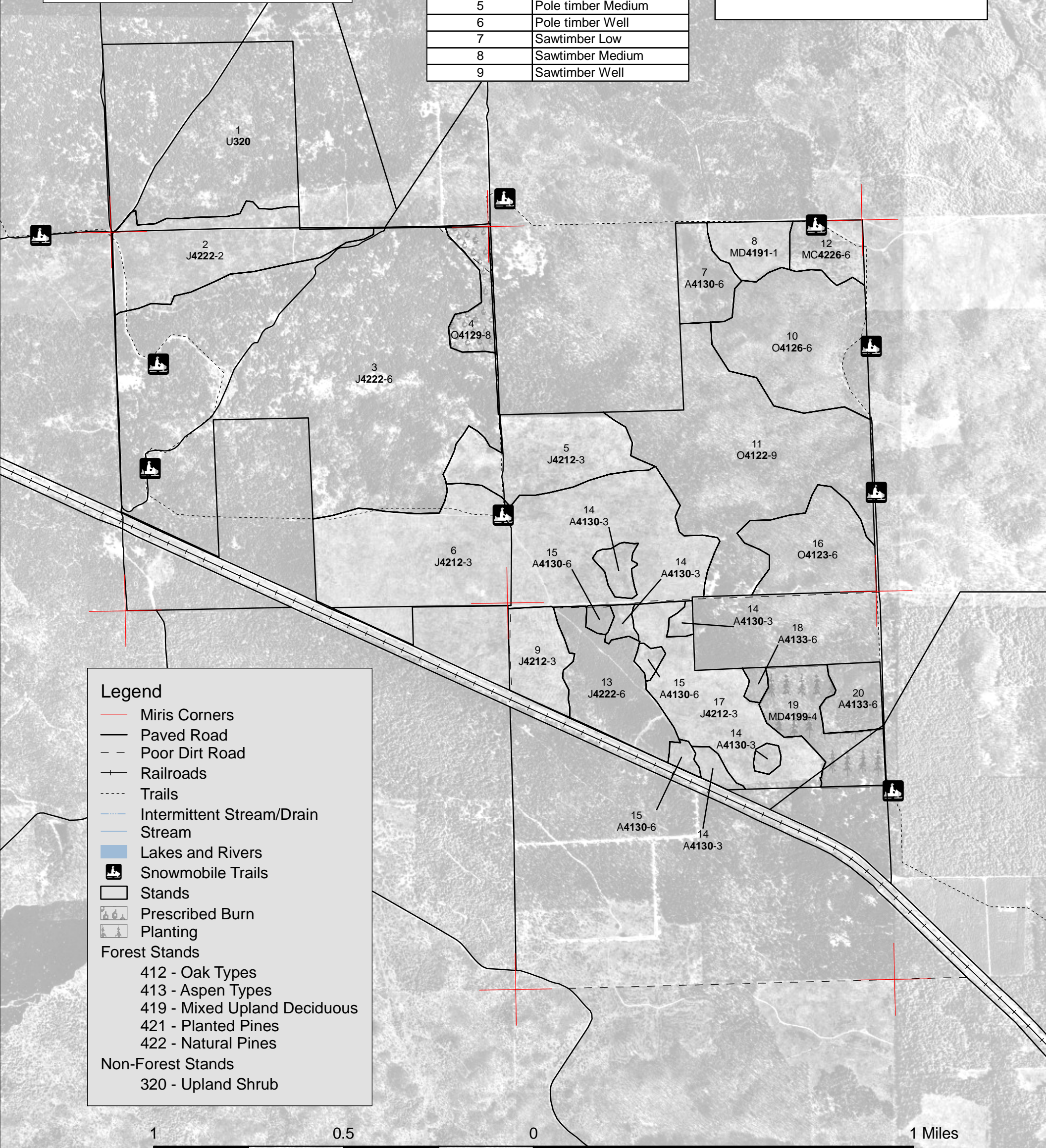
Stand #
 23
 412
 7
 Stocking Density
 Covertypes
 Code

20
 29 28
 32 33



Multi-Part Stands:
 Stand 14: 5 parts, within Std 6, split by stand 17
 Stand 15: 3 parts, along the E side of Std 13

| Stocking Density | Definition |
|------------------|--------------------|
| 1 | Sapling Low |
| 2 | Sapling Medium |
| 3 | Sapling Well |
| 4 | Pole timber Low |
| 5 | Pole timber Medium |
| 6 | Pole timber Well |
| 7 | Sawtimber Low |
| 8 | Sawtimber Medium |
| 9 | Sawtimber Well |



Legend

- Miris Corners
- Paved Road
- - - Poor Dirt Road
- + + + Railroads
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trails
- Stands
- Prescribed Burn
- Planting
- Forest Stands
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
- Non-Forest Stands
 - 320 - Upland Shrub

