



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 173 ENTRY YEAR: 2011

Compartment Acreage: 1544 County: Roscommon

Revision Date: 3/11/09

Stand Examiner: D. Ekdorn

Legal Description: T24N R01E Sections 10, 15, 16

Management Goals: Maintain current age and species diversity in a range of early and late successional ecosystems as specified by the Kirtlands Warbler Management Plan (KWMP).

Soil and Topography: Terrain in the compartment is flat to gently rolling and soils are Grayling, Graycalm, and Klacking sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Solid block of state land surrounded by state or U.S.F.W.S. lands.

Unique, Natural Features: Kirtlands Warbler recorded throughout compartment. Rough fescue and Hill's thistle documented in the compartment. Potential for Allegheny plum, ram's head lady's slipper, and prairie warbler as well as other barrens species within the compartment.

Archeological, Historical, and Cultural Features: Historical records indicate some of the compartment was farmed and then tax reverted after the farms failed. However, no historical sites are known and none were found when doing fieldwork on this compartment.

Special Management Designations or Considerations: Compartment is designated a High Conservation Value Area as all or portions of Kirtlands Warbler Blocks # 80, 85, 86, and 90 are in this compartment.

Watershed and Fisheries Considerations: None

Wildlife Habitat Considerations: Maintain as much ecosystem diversity in compartment as possible given constraints imposed by the KWMP to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

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 are the Mississippian Marshall Sandstone and Coldwater Shale. The Marshall was previously used as a building stone elsewhere in the State. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located four miles to the west, but there may be some potential. The Rose City Fields are located just to the south. 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. 80 acres of the State lands in the Compartment are currently leased.

Vehicle Access: Excellent to the exterior of the compartment via seasonal county roads (section –line roads) but most roads into the interior are planted closed as specified in the KWMP.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: No developed recreation facilities in the compartment.

Fire Protection: This compartment is entirely jack pine cover types of various ages and is in the Zone 3 fire dispatch area. 2 large fires have occurred in this compartment in the last 15 years, the Perry Holt #3 Fire in 1995 and the R. Gerard Mech Fire in 1999.

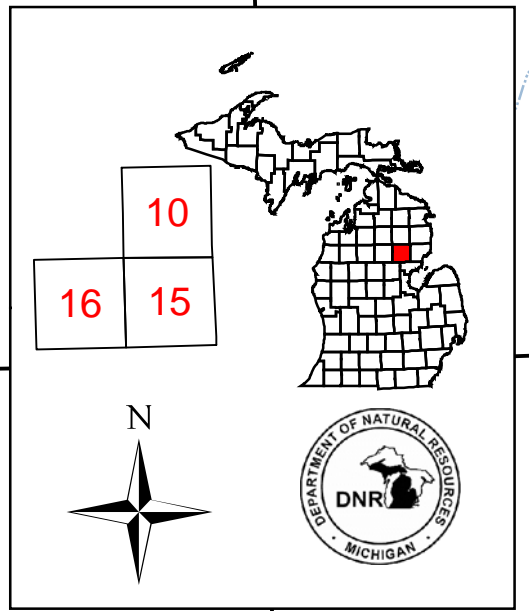
Additional Compartment Information: There are no treatments prescribed in the compartment this year-of-entry per the KWMP.

- **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**

Cover Type & Treatment Map

Compartment 173
 T24N, R01E, Sec. 10, 15, 16
 County: Ogemaw
 Unit: Roscommon
 YOE: 2011
 Acres: 1,544 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 8/31/2009
 Map Phase: Pre-Review



Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

- Miris Corners
- Paved Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

- Prescribed Burn

Forest Stands

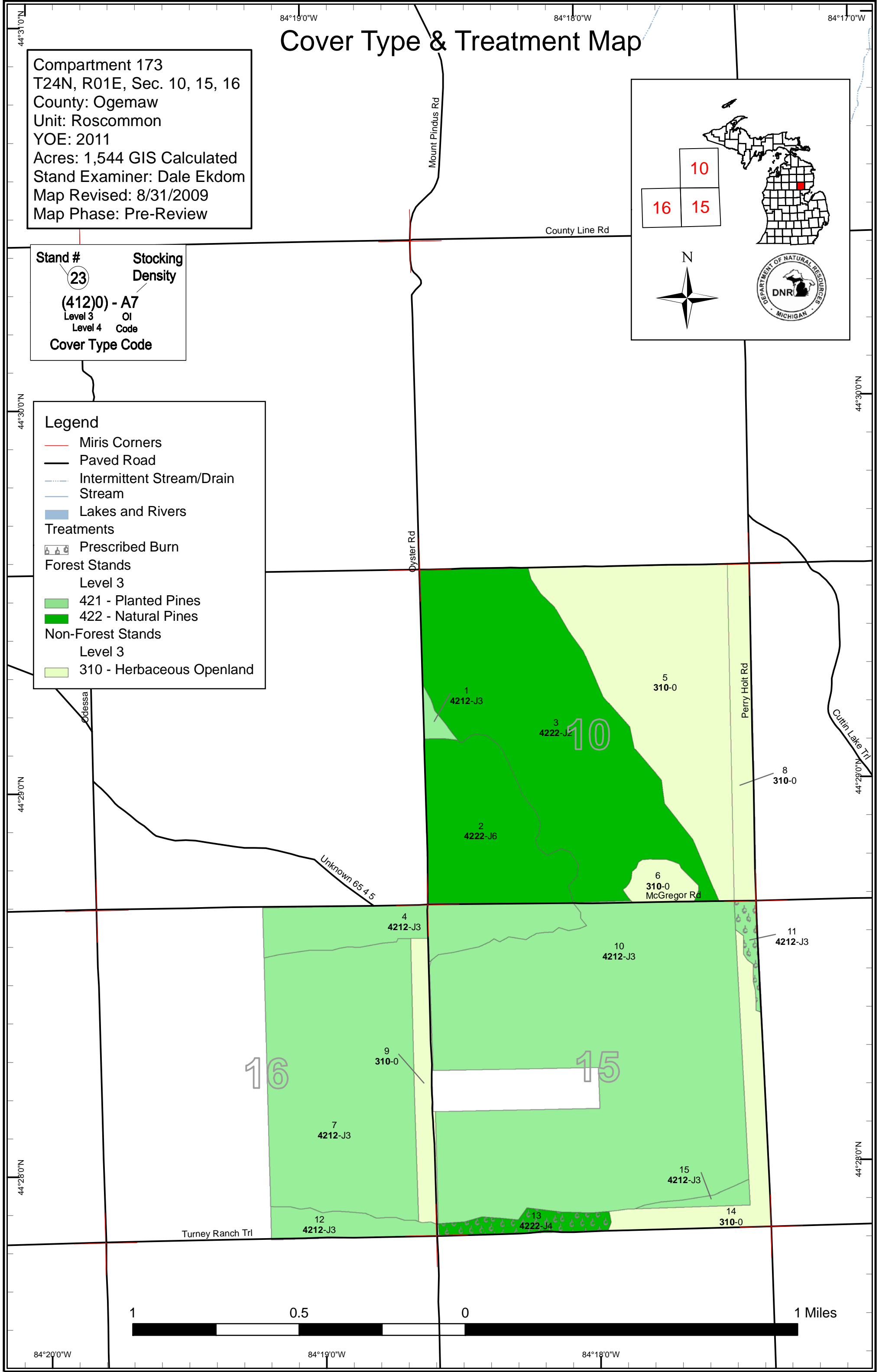
Level 3

- 421 - Planted Pines
- 422 - Natural Pines

Non-Forest Stands

Level 3

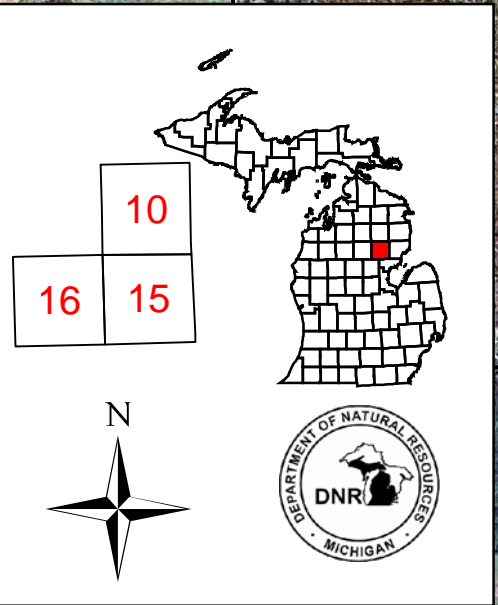
- 310 - Herbaceous Openland



84°20'0"W 84°19'0"W 84°18'0"W

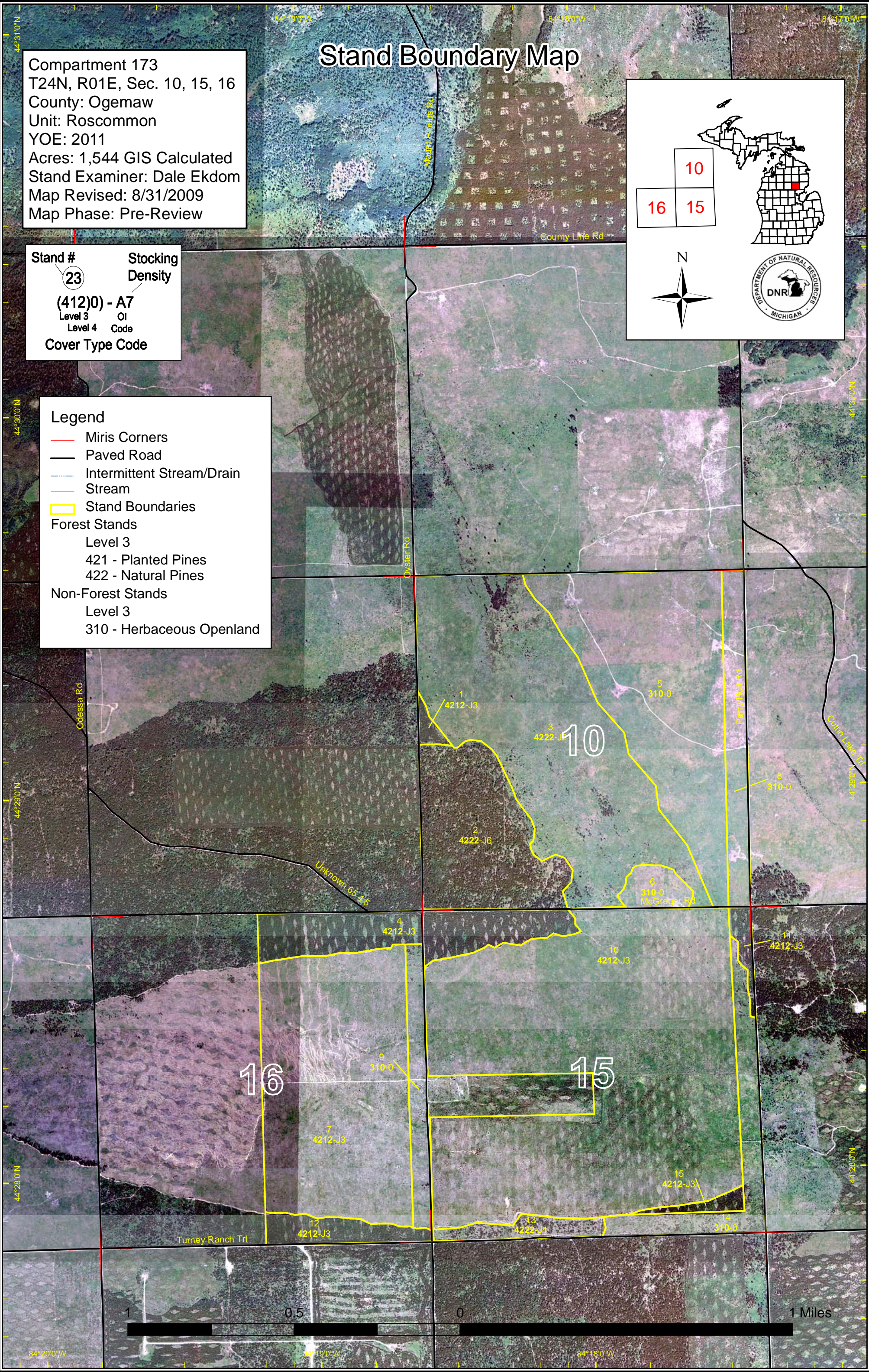
Stand Boundary Map

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Stand #
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Stocking Density
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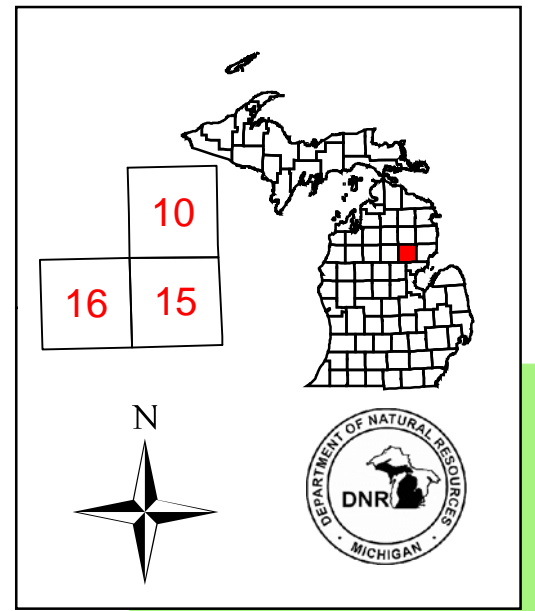
- Legend**
- Miris Corners
 - Paved Road
 - Intermittent Stream/Drain
 - Stream
 - Stand Boundaries
- Forest Stands**
- Level 3
 - 421 - Planted Pines
 - 422 - Natural Pines
- Non-Forest Stands**
- Level 3
 - 310 - Herbaceous Openland



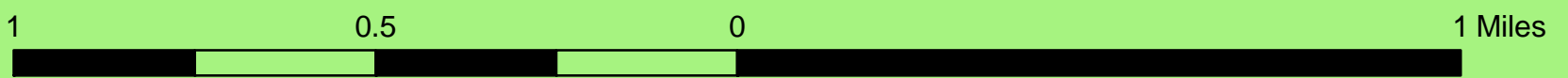
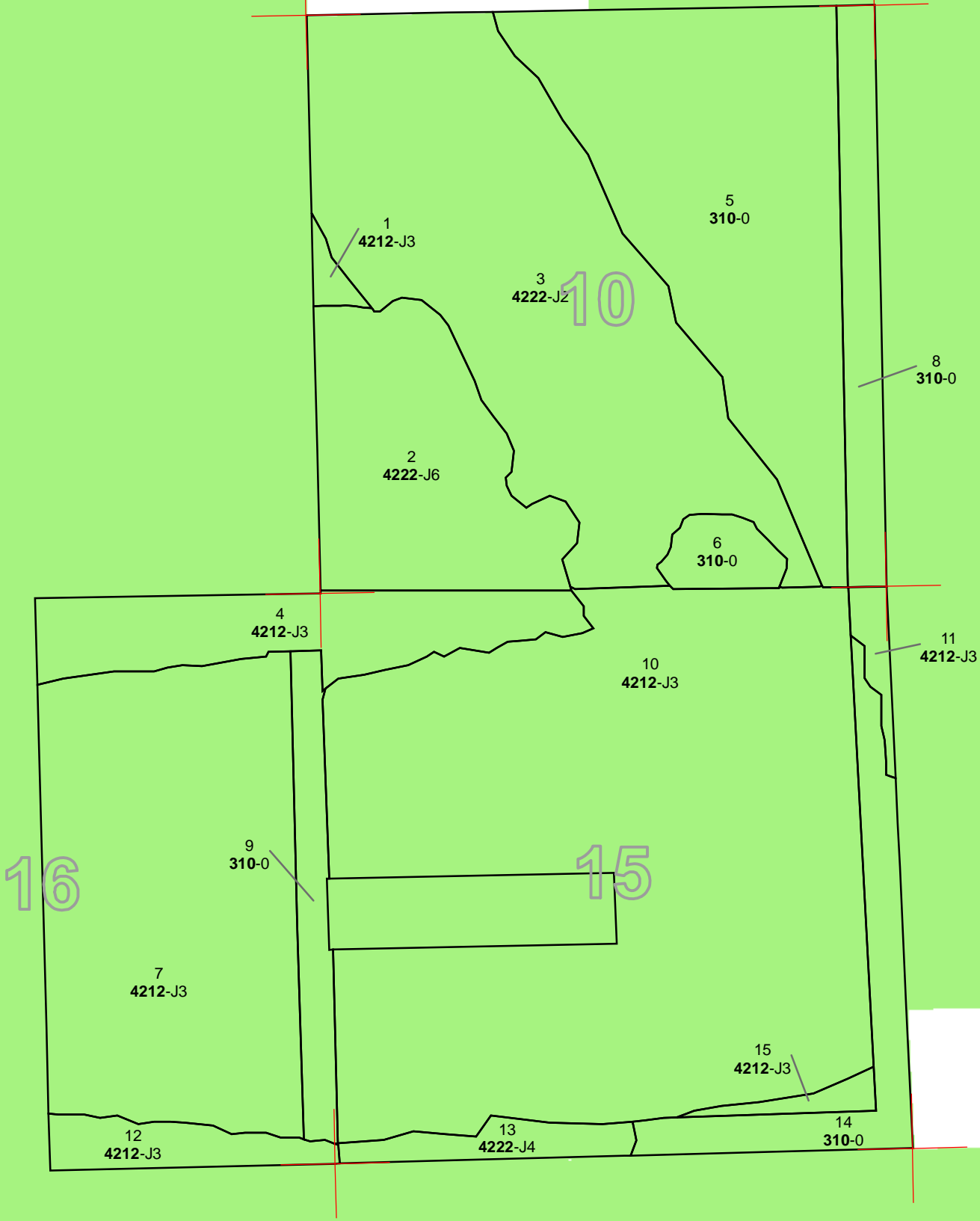
Dedicated & Proposed Special Conservation Area Map

Compartment 173
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 Map Revised: 8/31/2009
 Map Phase: Pre-Review

- Legend**
- Miris Corners
 - Stand Boundaries
 - Dedicated Special Conservation Areas**
 - Cold Water Streams
 - Kirtland Warbler Habitat
 - Forest Stands**
 - Level 3
 - 421 - Planted Pines
 - 422 - Natural Pines
 - Non-Forest Stands**
 - Level 3
 - 310 - Herbaceous Openland



| Stand # | Stocking Density |
|------------------------|------------------|
| 23 | |
| (412)0 - A7 | |
| Level 3 OI | |
| Level 4 Code | |
| Cover Type Code | |



84°19'0"W 84°18'0"W 84°17'0"W

44°31'0"N
44°30'0"N
44°29'0"N
44°28'0"N

44°30'0"N
44°29'0"N
44°28'0"N

S
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a
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Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 173 Entry Yr: 2011
Date 08/28/2009



| Treatment Name | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective |
|--|-------|------------------------------|-----------------|--------------|-------------------|---------------------|-------------------------|
| 11 71173011- Burn | 8.1 | 42120 - Planted Jack Pine | | 14 | Prescribed Burn | Unspecified | Warm Season Grass |
| <u>Rev</u> <u>Cmnt:</u> <u>Rev</u> periodic light to moderate burns to eliminate trees/shrubs and maintain stand as fuelbreak <u>Spec:</u> <u>Next</u> <u>Steps:</u> periodic light to moderate burns to eliminate trees/shrubs and maintain stand as fuelbreak | | | | | | | |

| | | | | | | | |
|--|------|------------------------------|--|----|-----------------|-------------|-------------------|
| 13 71173013- Burn | 17.6 | 42220 - Natural Jack Pine | | 22 | Prescribed Burn | Unspecified | Warm Season Grass |
| <u>Rev</u> <u>Cmnt:</u> <u>Rev</u> periodic light to moderate burns to eliminate trees/shrubs and maintain stand as fuelbreak <u>Spec:</u> <u>Next</u> <u>Steps:</u> periodic light to moderate burns to eliminate trees/shrubs and maintain stand as fuelbreak | | | | | | | |

**Total Treatment
Acreage Proposed: 25.7**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**



S
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| Treatment Name | Acres | Stage1 Cover Type | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective | Page 1 of 1 |
|----------------|-------|-------------------|--------------|-----------|----------------|------------------|----------------------|-------------|
|----------------|-------|-------------------|--------------|-----------|----------------|------------------|----------------------|-------------|

Limiting Factor
and Comment:

Rev
Cmnt:

Rev
Spec:

Next
Steps:

No Treatment
Reason

**Total Treatment
Acreage Proposed: 0**



PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

| Stand | SCA Name | Acres | Comments |
|-------|----------|-------|----------|
| | | | |



DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

| Conservation Area | Type | Description |
|-------------------|-----------------------------|---|
| HCVA | Designated Critical Habitat | Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat. |