



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 123    ENTRY YEAR: 2011**

**Compartment Acreage: 1278    County: Roscommon**

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**Revision Date:** 6/29/09

**Stand Examiner:** D. Ekdom

**Legal Description:** T22N R2W Sections 34 and 35

**Management Goals:** Maintain current age and species diversity in a range of early and late successional ecosystems. Regenerate some of the 30-40 year old aspen in the compartment to begin balancing the aspen age class distribution which is almost entirely 1970's DRIP origin.

**Soil and Topography:** Terrain is mostly flat to gently rolling in Section 35 and the north 1/2 of Section 34 and hilly with some steeper areas in the south 1/2 of Section 34. Soils include Grayling, Roselawn, Rubicon, and Saugatuck sands, and Newton loamy sand on the uplands and Tawas, Au Gres, and De Ford mucks in the lower drainage areas.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Compartment is a solid block of state land with state land on 2 sides. Mid Forest Lodge is on the south side and 2 large hunting properties are on the west side.

**Unique, Natural Features:** There are no records of any T & E species in the compartment at this time. However, the potential exists based on the records of these species on surrounding lands.

**Archeological, Historical, and Cultural Features:** None known and none detected during fieldwork.

**Special Management Designations or Considerations:** Compartment has some older pine stands and some older pine inclusions in hardwood stands which could be potential SCA's but none of them were proposed to be designated at this time as most are small and widely separated from each other. In hardwood stands that are being treated, these stands and inclusions will be left for retention.

**Watershed and Fisheries Considerations:** Lanes Lake and surrounding wetlands on the east edge of Section 35 and one large wetland area in the north central part of Section 34.

**Wildlife Habitat Considerations:** Maintain ecosystem diversity in the compartment via habitat manipulation 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 600 and 800 feet. Beneath the glacial drift are the Pennsylvanian Saginaw Formation and the Mississippian Bayport Limestone. The Saginaw is quarried for clay for brick making and the Bayport for limestone in other areas of the State. Most of the good gravel pits are associated with upland areas. This Compartment may have some potential on the uplands. The abandoned Denton Creek Field is located just to the north. The field produced

nearly 55,000 BO from the Devonian Detroit River Formation. There are no leases in the Compartment currently.

**Vehicle Access:** Excellent access via county and seasonal county roads and forest two-tracks and recreational trails.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** Dispersed camping associated with hunting. Compartment has parts of the St. Helen ORV trail, the Denton Creek ORV route, and the Denton Creek snowmobile trail.

**Fire Protection:** Fire suppression in the compartment should not be a problem as it is mostly hardwood cover types with good vehicle access and has lots of man-made and natural fire breaks.

**Additional Compartment Information:** Very little trash dumping, firewood theft, or resource damage in this compartment. 205 acres of final harvest in aspen types to begin balancing aspen age class distribution, 23 acres of red pine planting, and 25 acres of opening maintenance are prescribed in the compartment this year-of-entry.

- **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 123  
 T22N, R02W, Sec. 34, 35  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2011  
 Acres: 1,278 GIS Calculated  
 Stand Examiner: Dale Ekdorn  
 Map Revised: 8/31/2009  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

**Legend**

- Miris Corners
- Paved Road
- Poor Dirt Road
- Closed Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Trails
- ORV Routes
- ORV Trails
- Motorcycle Trails
- Snowmobile Trails

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Site Preparation
- Mowing
- Other Treatment - See Comments

**Forest Stands**

Level 3

- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

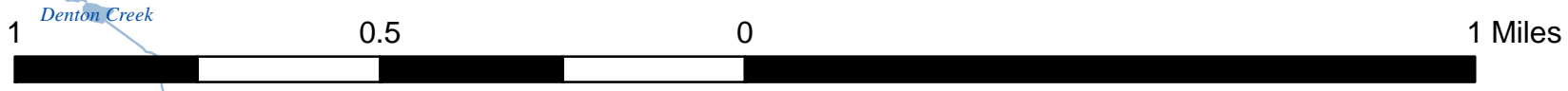
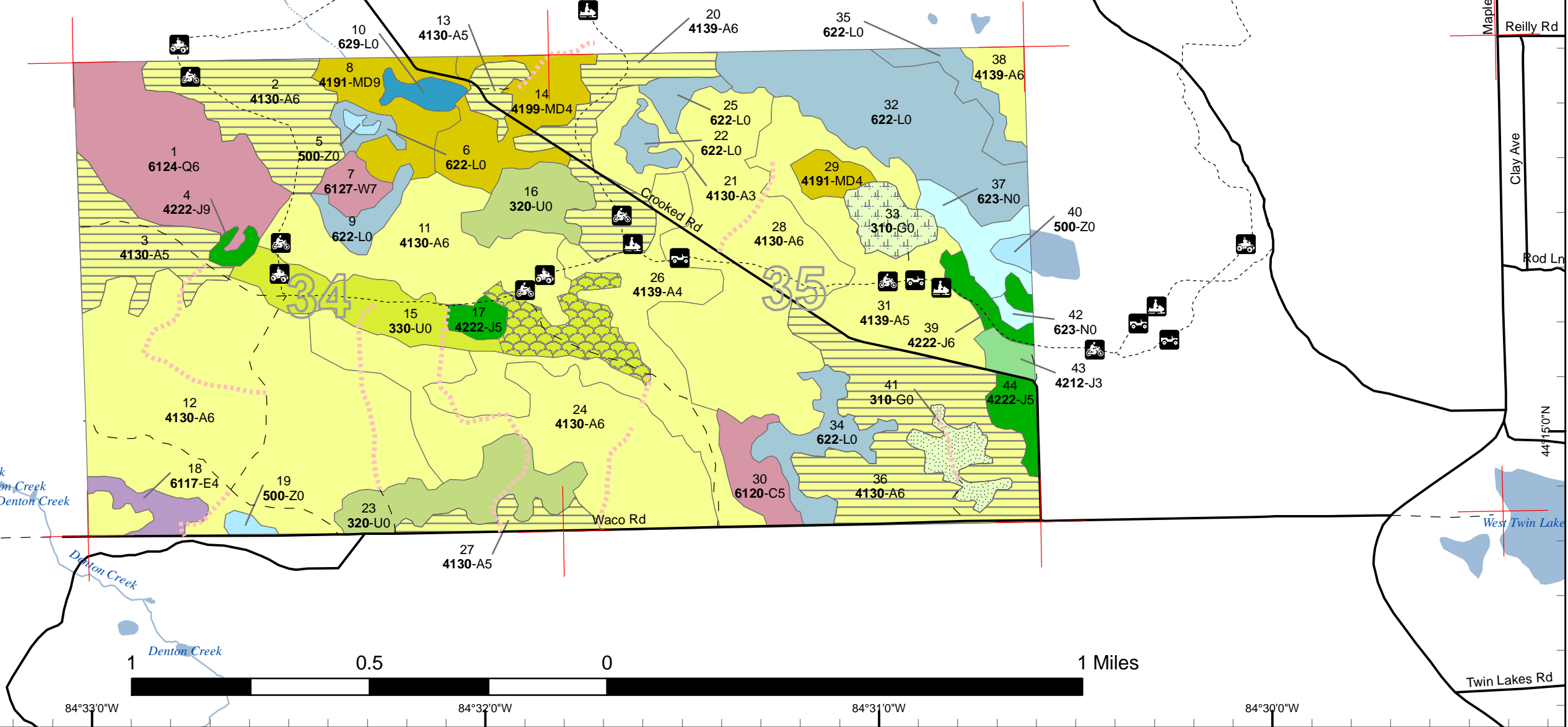
**Non-Forest Stands**

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland

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 DNR  
 MICHIGAN





# Stand Boundary Map

Compartment 123  
 T22N, R02W, Sec. 34, 35  
 County: Roscommon  
 Unit: Roscommon  
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 Acres: 1,278 GIS Calculated  
 Stand Examiner: Dale Ekdorn  
 Map Revised: 8/31/2009  
 Map Phase: Pre-Review

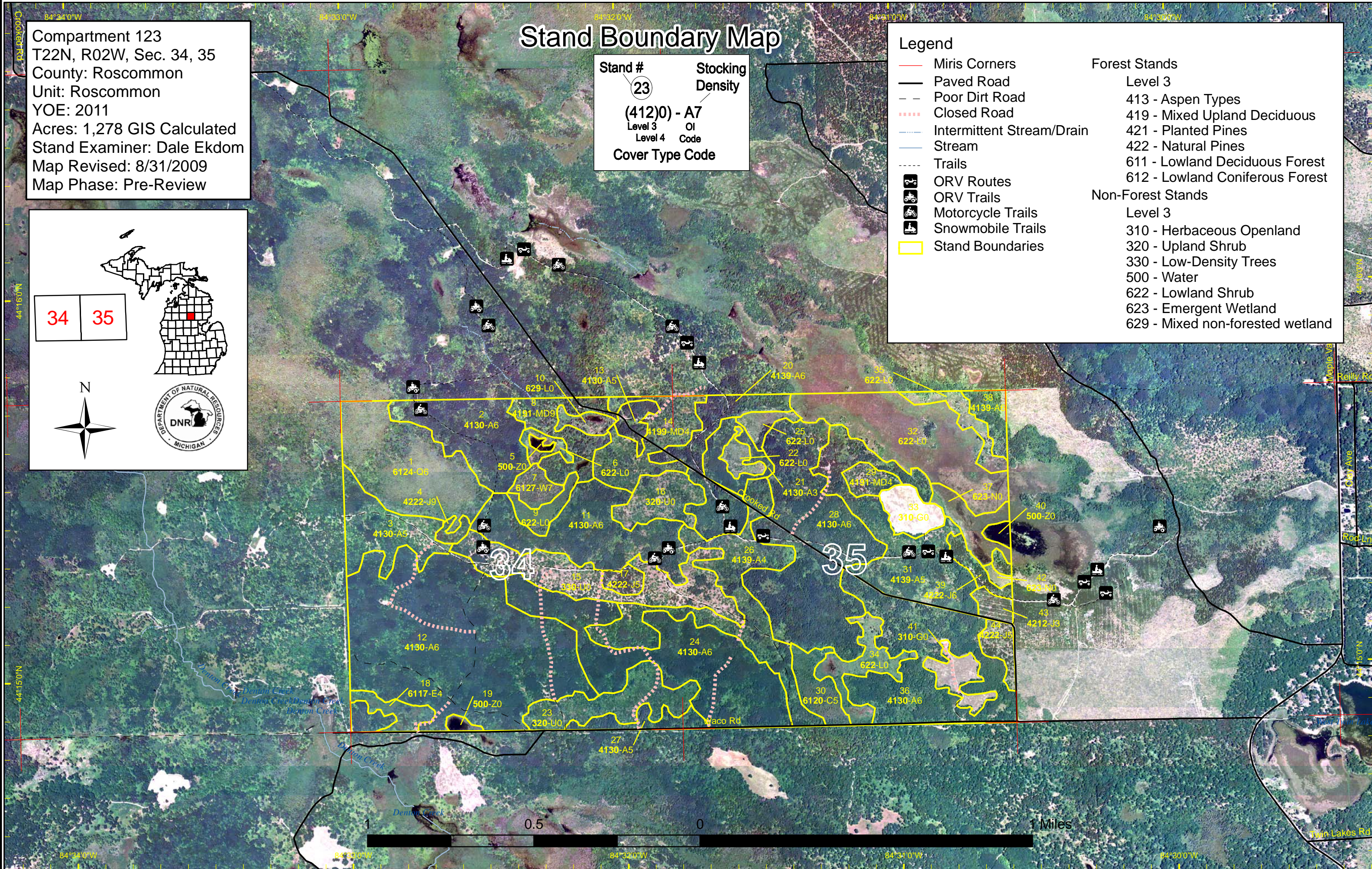
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 Level 3 OI  
 Level 4 Code  
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## Legend

- Miris Corners
  - Paved Road
  - Poor Dirt Road
  - Closed Road
  - Intermittent Stream/Drain
  - Stream
  - Trails
  - ORV Routes
  - ORV Trails
  - Motorcycle Trails
  - Snowmobile Trails
  - Stand Boundaries
- 
- Forest Stands**
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35





# Dedicated & Proposed Special Conservation Area Map

Compartment 123  
 T22N, R02W, Sec. 34, 35  
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 Acres: 1,278 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
- Stand Boundaries
- Dedicated Special Conservation Areas
- OI Special Conservation Areas
- Wildlife Management Areas

**Forest Stands**

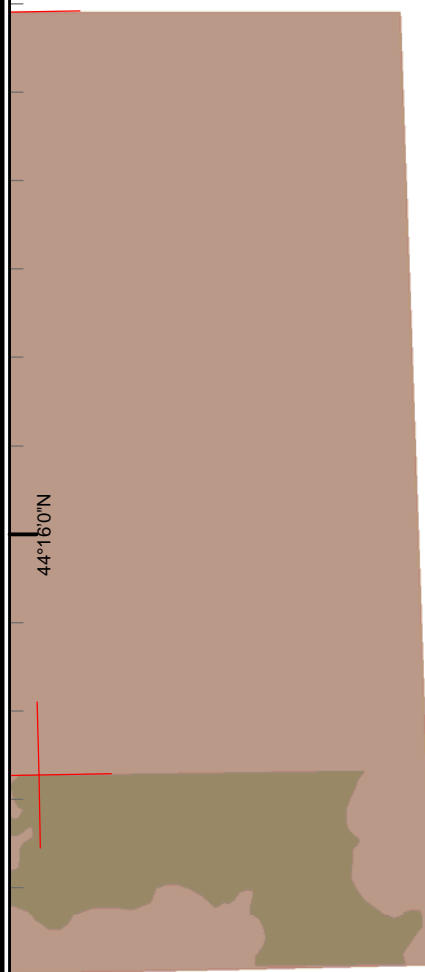
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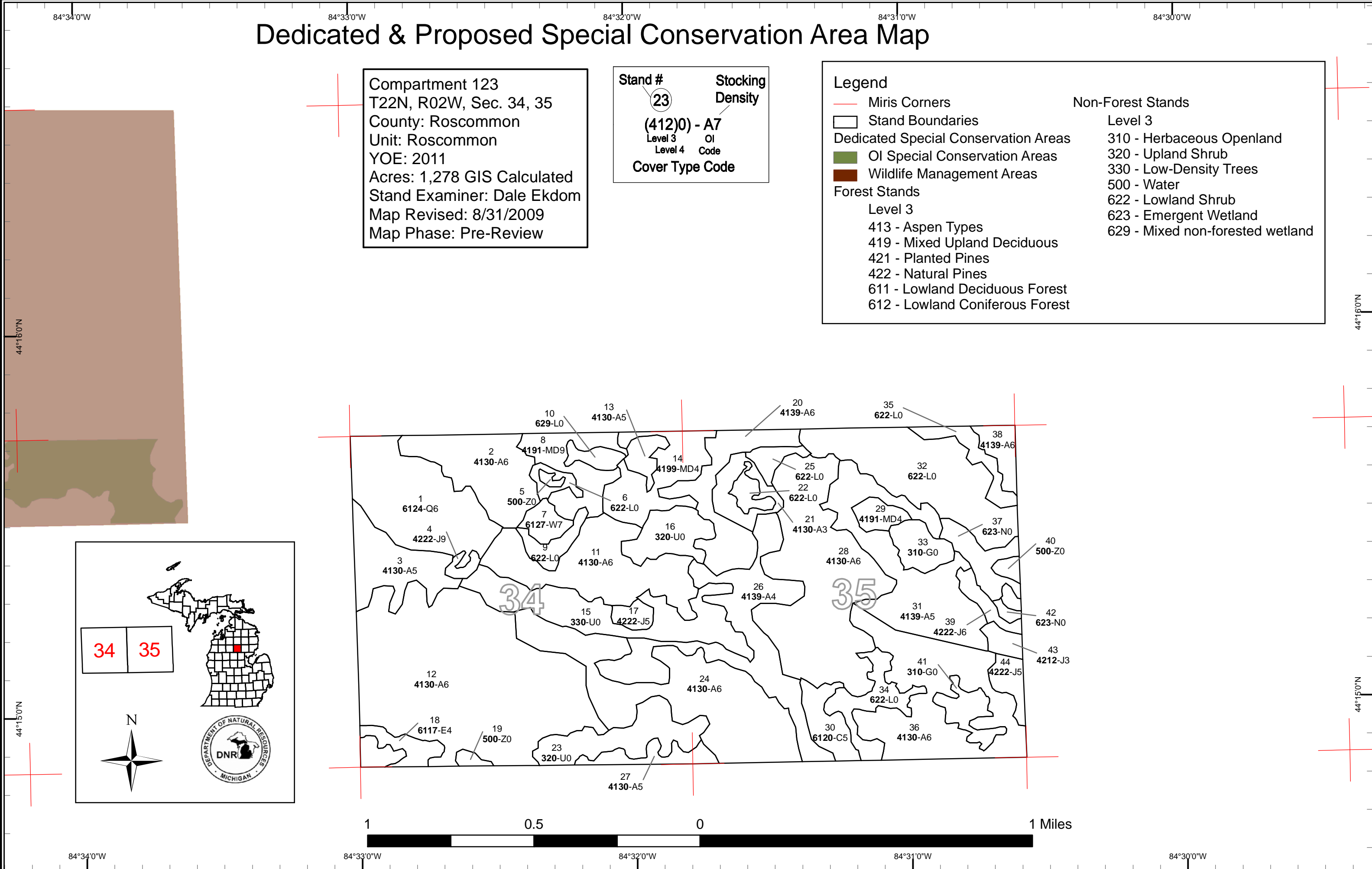
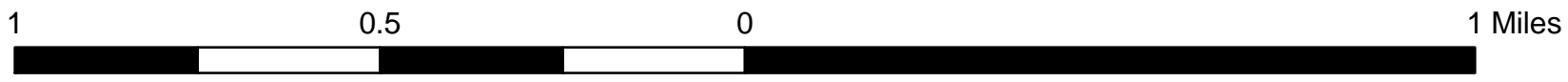
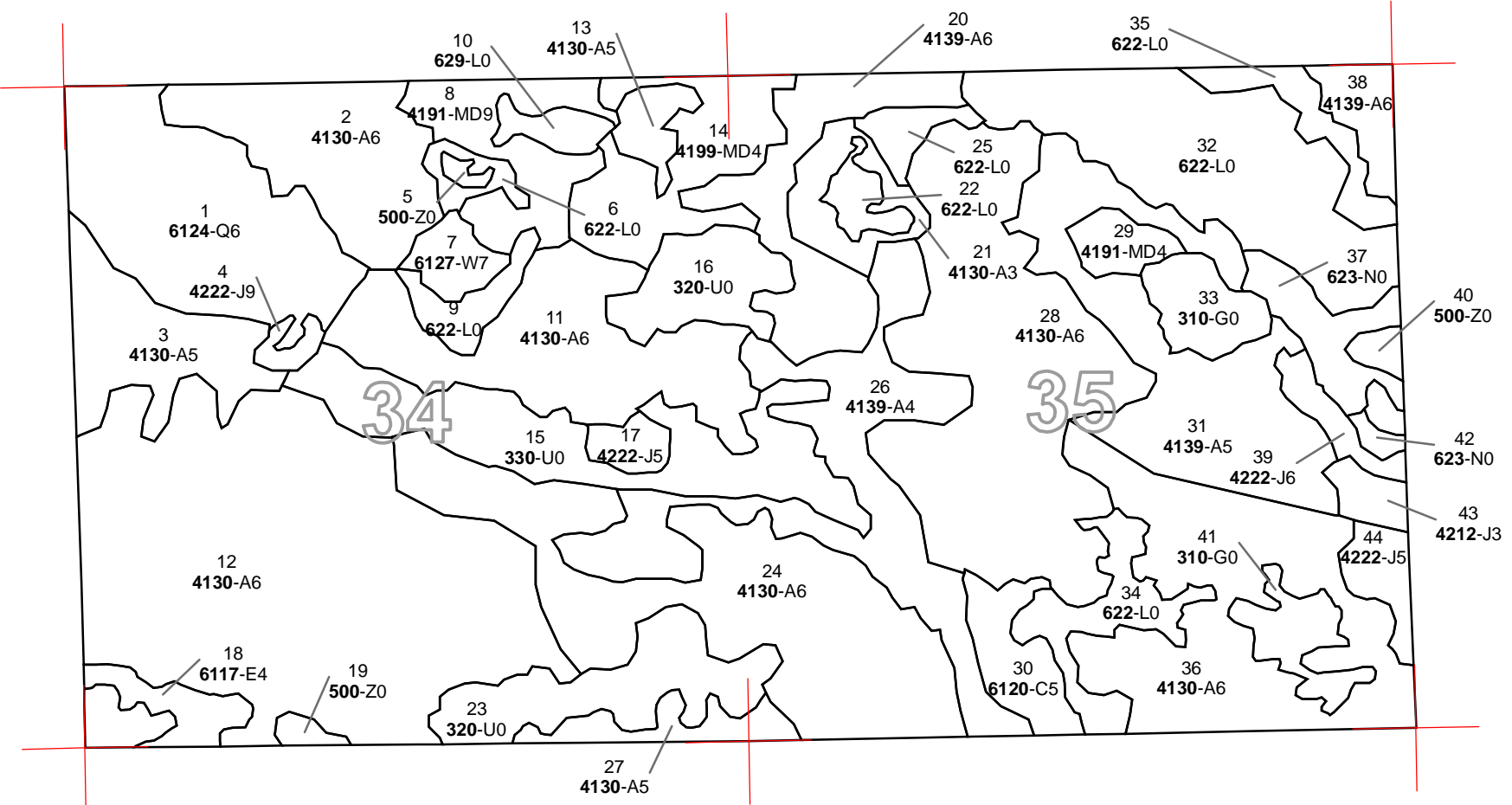
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34 35



Roscommon Mgt. Unit

**Covertypes, Acres, and Age summary**  
(Level 3 Cover Type)

Compartment 123 Year of Entry 2011

Report Date: 08/28/2009



|                            | Age Class    |          |           |          |            |          |          |          |          |           |           |          |           |          | Total     |             |
|----------------------------|--------------|----------|-----------|----------|------------|----------|----------|----------|----------|-----------|-----------|----------|-----------|----------|-----------|-------------|
|                            | Non-Forested | 1-9      | 10-19     | 20-29    | 30-39      | 40-49    | 50-59    | 60-69    | 70-79    | 80-89     | 90-99     | 100-109  | 110-119   | 120 +    |           | Uneven Age  |
| Aspen Types                | 0            | 0        | 14        | 0        | 778        | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 10        | 801         |
| Emergent Wetland           | 17           | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 17          |
| Herbaceous Openland        | 25           | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 25          |
| Low-Density Trees          | 52           | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 52          |
| Lowland Coniferous Forest  | 0            | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 74       | 15        | 0         | 0        | 0         | 0        | 0         | 88          |
| Lowland Deciduous Forest   | 0            | 0        | 0         | 0        | 9          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 9           |
| Lowland Shrub              | 124          | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 124         |
| Mixed non-forested wetland | 6            | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 6           |
| Mixed Upland Deciduous     | 0            | 0        | 0         | 0        | 40         | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 26        | 0        | 0         | 65          |
| Natural Pines              | 0            | 0        | 0         | 0        | 23         | 0        | 0        | 0        | 3        | 0         | 0         | 0        | 0         | 0        | 0         | 26          |
| Planted Pines              | 0            | 0        | 6         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 6           |
| Upland Shrub               | 51           | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 51          |
| Water                      | 7            | 0        | 0         | 0        | 0          | 0        | 0        | 0        | 0        | 0         | 0         | 0        | 0         | 0        | 0         | 7           |
| <b>Total</b>               | <b>282</b>   | <b>0</b> | <b>19</b> | <b>0</b> | <b>850</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>3</b> | <b>74</b> | <b>15</b> | <b>0</b> | <b>26</b> | <b>0</b> | <b>10</b> | <b>1278</b> |

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



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| Treatment Name   | Acres | Stage1 CoverType              | Size Density        | Stand Age | Treatment Type | Treatment Method       | Cover Type Objective   |
|--|-------|-------------------------------|---------------------|-----------|----------------|------------------------|------------------------|
| <b>2 71123002-Cut</b>  | 42.9  | 4130 - Aspen                  | High Density Pole   | 39        | Harvest        | Clearcut with Reserves | Aspen, Mixed Deciduous |
| <p><u>Rev Cmnt:</u> buffer wet areas and swamps for retention, leave NE corner of brushy aspen for retention, possibly extend cut into stand to the north in compt 122, best access into this stand is from the north</p> <p><u>Rev Spec:</u> final harvest to regenerate aspen and begin balancing aspen age class distribution in the compartment, use "Rabbitat" specs along swamp edge</p> <p><u>Next Steps:</u> regeneration check</p>  |       |                               |                     |           |                |                        |                        |
| <b>3 71123003-Cut</b>  | 31.6  | 4130 - Aspen                  | Medium Density Pole | 39        | Harvest        | Clearcut with Reserves | Aspen, Mixed Deciduous |
| <p><u>Rev Cmnt:</u> buffer swamp for retention, straighten out south line if possible, any combination of A/O/M to a fully stocked stand is acceptable</p> <p><u>Rev Spec:</u> final harvest to regenerate aspen and begin balancing aspen age class distribution in the compartment, use "Rabbitat" specs along swamp edge</p> <p><u>Next Steps:</u> regeneration check</p>   |       |                               |                     |           |                |                        |                        |
| <b>13 71123013-Cut</b>   | 7.3   | 4130 - Aspen                  | Medium Density Pole | 39        | Harvest        | Clearcut               | Aspen, Mixed Deciduous |
| <p><u>Rev Cmnt:</u> expand into surrounding stands where possible, extend cut into stand to the north in Compartment 122, no retention due to small size and desire to expand stand into surrounding brushy areas, any combination of A/O/M to a fully stocked stand is acceptable</p> <p><u>Rev Spec:</u> final harvest to regenerate aspen and begin balancing aspen age class distribution in the compartment,</p> <p><u>Next Steps:</u> regeneration check</p>   |       |                               |                     |           |                |                        |                        |
| <b>20 71123020-Cut</b>   | 34.1  | 4139 - Aspen, Mixed Deciduous | High Density Pole   | 39        | Harvest        | Clearcut with Reserves | Aspen, Mixed Deciduous |
| <p><u>Rev Cmnt:</u> leave small island of R/W pine along Crooked Road for retention, leave more brushy areas for retention, buffer "L" types for retention, other possible retention is leaving NE arm of stand off of sale or leaving scattered conifers, expand stand to the north into Compt. 122, address visuals on ORV route/trail and SMT within stand, any combination of aspen/ red maple/oak to a fully stocked stand is acceptable</p> <p><u>Rev Spec:</u> final harvest to regenerate aspen and begin balancing aspen age class distribution in the compartment</p> <p><u>Next Steps:</u> regeneration steps</p> |       |                               |                     |           |                |                        |                        |
| <b>27 71123027-Cut</b>   | 10.5  | 4130 - Aspen                  | Medium Density Pole | 39        | Harvest        | Clearcut               | Aspen                  |
| <p><u>Rev Cmnt:</u> no retention due to the small size of the stand and desire to expand aspen into surrounding stand, any combination of hardwoods to a fully stocked stand is acceptable, interplant jack pine if stand does not regenerate</p> <p><u>Rev Spec:</u> final harvest 2" spec, expand into stand to the north where possible</p> <p><u>Next Steps:</u> regeneration survey</p>   |       |                               |                     |           |                |                        |                        |

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



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| Treatment Name  | Acres | Stage1 CoverType | Size Density      | Stand Age | Treatment Type | Treatment Method       | Cover Type Objective   |
|-----------------|-------|------------------|-------------------|-----------|----------------|------------------------|------------------------|
| 36 71123036-Cut | 78.1  | 4130 - Aspen     | High Density Pole | 39        | Harvest        | Clearcut with Reserves | Aspen, Mixed Deciduous |

Rev Waco Road is entirely on private (?) so may need to run PVT property boundary for this stand on south end, leave buffer on grassy opening for retention, leave areas of mostly upland brush for retention, buffer lowland brush to the west for retention, any combination of aspen/ red maple/oak to a fully stocked stand is acceptable

Rev final harvest to regenerate aspen and begin balancing aspen age class distribution in the compartment

Spec:

Next regeneration check

Steps:

|                         |      |             |  |   |           |                |                                   |
|-------------------------|------|-------------|--|---|-----------|----------------|-----------------------------------|
| 15 NF_71123015-<br>Prep | 22.5 | Unspecified |  | 0 | Site Prep | Other-Specifiy | Planted Red Pine, Mixed Deciduous |
|-------------------------|------|-------------|--|---|-----------|----------------|-----------------------------------|

Rev avoid aspen clones

Cmnt:

Rev site prep using mechanical or chemical (herbicide) means

Spec:

Next trench and plant red pine

Steps:

|                           |      |             |  |   |                       |                 |                   |
|---------------------------|------|-------------|--|---|-----------------------|-----------------|-------------------|
| 33 NF_71123033-<br>NonFor | 13.0 | Unspecified |  | 0 | Non-Forest Management | Other - Specify | Warm Season Grass |
|---------------------------|------|-------------|--|---|-----------------------|-----------------|-------------------|

Rev

Cmnt:

Rev maintain opening using no-commercial treatment

Spec:

Next

Steps:

|                           |      |             |  |   |                       |        |                   |
|---------------------------|------|-------------|--|---|-----------------------|--------|-------------------|
| 41 NF_71123041-<br>NonFor | 12.0 | Unspecified |  | 0 | Non-Forest Management | Mowing | Cool Season Grass |
|---------------------------|------|-------------|--|---|-----------------------|--------|-------------------|

Rev

Cmnt:

Rev maintain opening using non-commercial treatment

Spec:

Next

Steps:

**Total Treatment  
Acreage Proposed: 252.0**



S  
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Roscommon Mgt. Unit  
Inventory Method: IFMAP

### PROPOSED TREATMENTS WITH LIMITING FACTORS

Compartment: 123      Entry Yr: 2011  
Date 08/28/2009



| Treatment Name | Acres | Stage1 Cover Type | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective |
|----------------|-------|-------------------|--------------|-----------|----------------|------------------|----------------------|
|----------------|-------|-------------------|--------------|-----------|----------------|------------------|----------------------|

Limiting Factor and Comment:

Rev Cmnt:

Rev Spec:

Next Steps:

No Treatment Reason

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**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 |
|-------|----------|-------|----------|
| <hr/> |          |       |          |
| <hr/> |          |       |          |





### 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

| <b>Conservation Area</b> | <b>Type</b> | <b>Description</b> |
|--------------------------|-------------|--------------------|
|--------------------------|-------------|--------------------|

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