



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 138 ENTRY YEAR: 2010

Compartment Acreage: 1,640 County: Schoolcraft

Revision Date: 9/5/2008

Stand Examiner: Jennifer Burnham

Legal Description: T48N R15W Sections 3, 10, 11, 14, 15

RMU (if applicable):

Management Goals: The main goal in this compartment is to conduct multiple resource management for current and future generations.

Soil and Topography: The topography in this compartment is level with upland timber types. There are a couple low areas that have seasonal or low level water tables ponds in the south east area. The main soil type found in the compartment is the Rubicon Sand. The LTA's for this compartment is the Kingston Outwash.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Ownership around the compartment is mainly State lands and private industry lands to the east.

Unique, Natural Features (include only non-site specific and non-sensitive information): Michigan Natural Features Inventory (MNFI) has some listings of species that have the potential to be within the compartment.

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

Special Management Designations or Considerations: Sharptail have been managed heavily in this compartment.

Watershed and Fisheries Considerations: N/A

Wildlife Habitat Considerations: Most of this compartment is located within the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection on the Kingston Plains. Prior to European settlement, white pine and hemlock forest dominated this landscape along with northern hardwood species. A hot slash in the early 1900's consumed most of the organic content of the soils in this area, and reforestation has been slow with openland stumpfields dominating the landscape. This area has been managed as a large opening given these characteristics. Forested portions of the compartment are primarily pine or pine mixes.

Wildlife objectives include maintaining the open characteristic over much of this compartment and maintaining the birch component in the northwest part of the compartment north of the large opening. Recent management activities resulted in maintenance of the open land, providing habitat for sandhill crane, sharp-tailed grouse, bluebirds, meadowlarks, and other grassland species. Existing birch and maple

bordering the grassy opening on the north can be retained at present, but may require evaluation for a harvest in five to ten years if the condition of the birch deteriorates.

Mineral Resource and Development Concerns and/or Restrictions Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium an end moraine of coarse-textured till and lacustrine (lake) sand & gravel. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau and Munising Formations subcrop below the glacial drift. The Trempealeau could be used for stone and the Munising was used as a building stone in the past. Gravel pits are not located in this area, but there should be some potential. There is no commercial oil and gas production in the UP.

Vehicle Access: Access is good. County Road 637 (Adams Truck Trail) and the Baker Grade allow for travel easily through the compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: Fox River Pathway follows the west edge and enters into the compartment near Ewalt Lake.

Fire Protection: Fire response to the area will be extended due the distance traveled from either of the offices. The majority of the area is open grass that has a history of prescribed burns. There are pockets of pine and hardwood in the area.

Additional Compartment Information:

- **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**

11/5/2008 10:59:48 AM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: 138

Table 3

(acres shown in boxes)

STAND AGE CLASS

| COVER TYPE | Not Coded | STAND AGE CLASS | | | | | | | | | | | | | | | | All Aged | Total |
|--------------|-------------|-----------------|-------|-------|----------|-------|-----------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|------------|-------------|
| | | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150-159 | | |
| Black Spruce | | 8 | | | | | | | | | | | | | | | | | 8 |
| Bog or Marsh | 13 | | | | | | | | | | | | | | | | | | 13 |
| Grass | 1218 | | | | | | | | | | | | | | | | | | 1218 |
| Jack Pine | | | | | 1 | | 9 | | | | | | | | | | | 2 | 12 |
| Non Stocked | 6 | | | | | | | | | | | | | | | | | | 6 |
| Paper Birch | | 21 | | | | | | | | | | | | | | | | 5 | 26 |
| Red Pine | | 57 | | | | | 12 | | | | | | | | | | | | 69 |
| Upland Hdwds | | | | | | | | | | | | | | | | | | 64 | 64 |
| Water | 69 | | | | | | | | | | | | | | | | | | 69 |
| White Pine | | | | | 5 | | 13 | | | | | | | | | | | 137 | 155 |
| Total | 1306 | 86 | | | 6 | | 34 | | | | | | | | | | | 208 | 1640 |

11/5/2008 10:59:52 AM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: 138

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 |
|----------------|---|---|----|------|---|---|----|---|---|---|---|---|---|---|----|----|---|---|---|---|---|---|---|----|----|-----|-------|
| S Black Spruce | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| V Bog or Marsh | | | 13 | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| G Grass | | | | 1218 | | | | | | | | | | | | | | | | | | | | | | | 1218 |
| J Jack Pine | | | | | | | 12 | | | | | | | | | | | | | | | | | | | | 12 |
| X Non Stocked | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | 6 |
| B Paper Birch | | | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 |
| R Red Pine | | | | | | | | | | | | | | | | 69 | | | | | | | | | | | 69 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | | | | | | 64 | | | 64 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 69 | | 69 |
| W White Pine | | | | | | | | | | | | | | | | | | | | | | | | | | 155 | 155 |
| Total | | 8 | 13 | 1218 | | | 12 | | | | | | 6 | | 26 | 69 | | | | | | | | 64 | 69 | 155 | 1640 |

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: **138**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|----------|-----------------------------|-------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 1207 Cds | Hardwood | 7 Cds |
| Hardwood | 88 Mbf | Softwood | 1 Mbf |
| Softwood | 1483 Cds | Sum CutVol | 9 Cds |
| Softwood | 430 Mbf | | |
| Sum TotVol | 3726 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | |
| 1640 | | 0 | |

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 138 Entry Year: 2010

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status | |
|--|------------|-----------|-----|------------|-------------------|-------------------------------------|------------|------------------|---------------|------------|--|
| 12 | M6 | 6 | | 50 | northern hardwood | unevenaged | | 0 | planting | | |
| <p>comnts Fmd : [1-3-03] RFT: Approx. 7 acres thinned under TS # 32-00 TCR dtd 12-08-02; now available to underplant white pine and oak under FTP # W41-991. [1-16-03] 10 more acres thinned by D.O.C. inmates under TS #42-00 TCR dtd 1-15-03; now available for underplanting (see FTP # W41-1001.) [6-14-06] 1250 white pine handplanted by inmates on 7 acres under FTP W41-991 - partial FTP completion report dtd 6-12-06. Oak not planted at this time.</p> | | | | | | | | | | | |
| 44 | R0 | 8 | 6 | 50 | red pine | old growth (potential or actual) | | 0 | planting | | |
| <p>comnts Fmd : SCA - Sharptail Area LEAVE 1 CHAIN BUFFER AROUND PONDS AND SMALL CLUMPS OF RED PINE ON EDGES. [1/3/03] RFT: Cut under TS #32-00 TCR dtd 12/08/02; see FTP C41-990 (machine plant red pine). This stand did not get planted yet and there is no natural regeneration coming in. FTP will remain open. Inmates are now scheduled to plant the area.</p> | | | | | | | | | | | |
| 64 | R0 | 2 | 6 | 50 | red pine | old growth (potential or actual) | | 0 | planting | | |
| <p>comnts Fmd : SCA - Sharptail Area LEAVE 1 CHAIN BUFFER AROUND PONDS AND SMALL CLUMPS OF RED PINE ON EDGES. [1/3/03] RFT: Cut under TS #32-00 TCR dtd 12/08/02; see FTP C41-990 (machine plant red pine). This stand did not get planted yet and there is no natural regeneration coming in. FTP will remain open. Inmates are now scheduled to plant the area (old stand 46).</p> | | | | | | | | | | | |
| Total Acres..... | | 16 | | | | | | | | | |

**Proposed Treatments
With Limiting Factors**

Compartment: 138

Entry Year: 2010

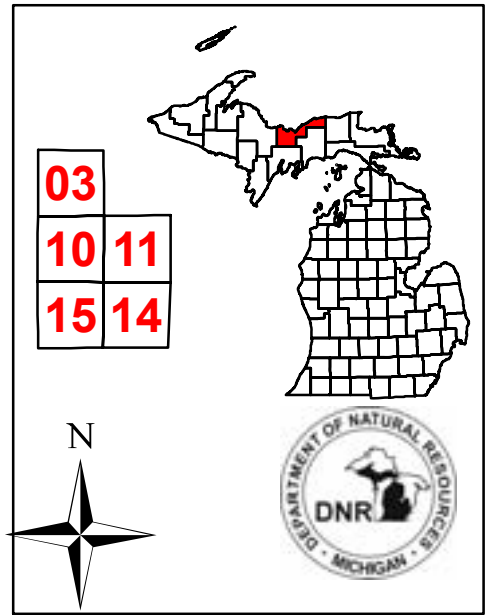
| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FD Status |
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|----------------------|
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|----------------------|

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 138
 T48N, R15W, Sec. 3, 10, 11, 14, 15
 County: Alger
 Unit: Shingleton
 YOE:2010
 Acres: 1,640 GIS Calculated
 Stand Examiner: Jennifer Burnham
 Map Revised: 10/29/2008
 Map Phase: Pre-Review

Covertypes & Treatment Map



03

County Road 731

Legend

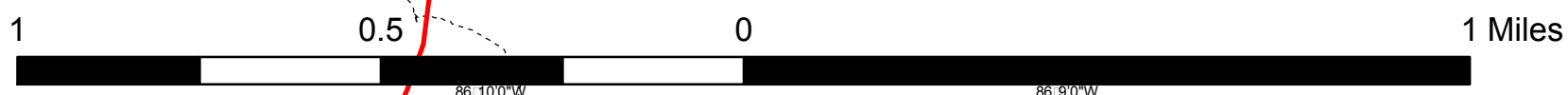
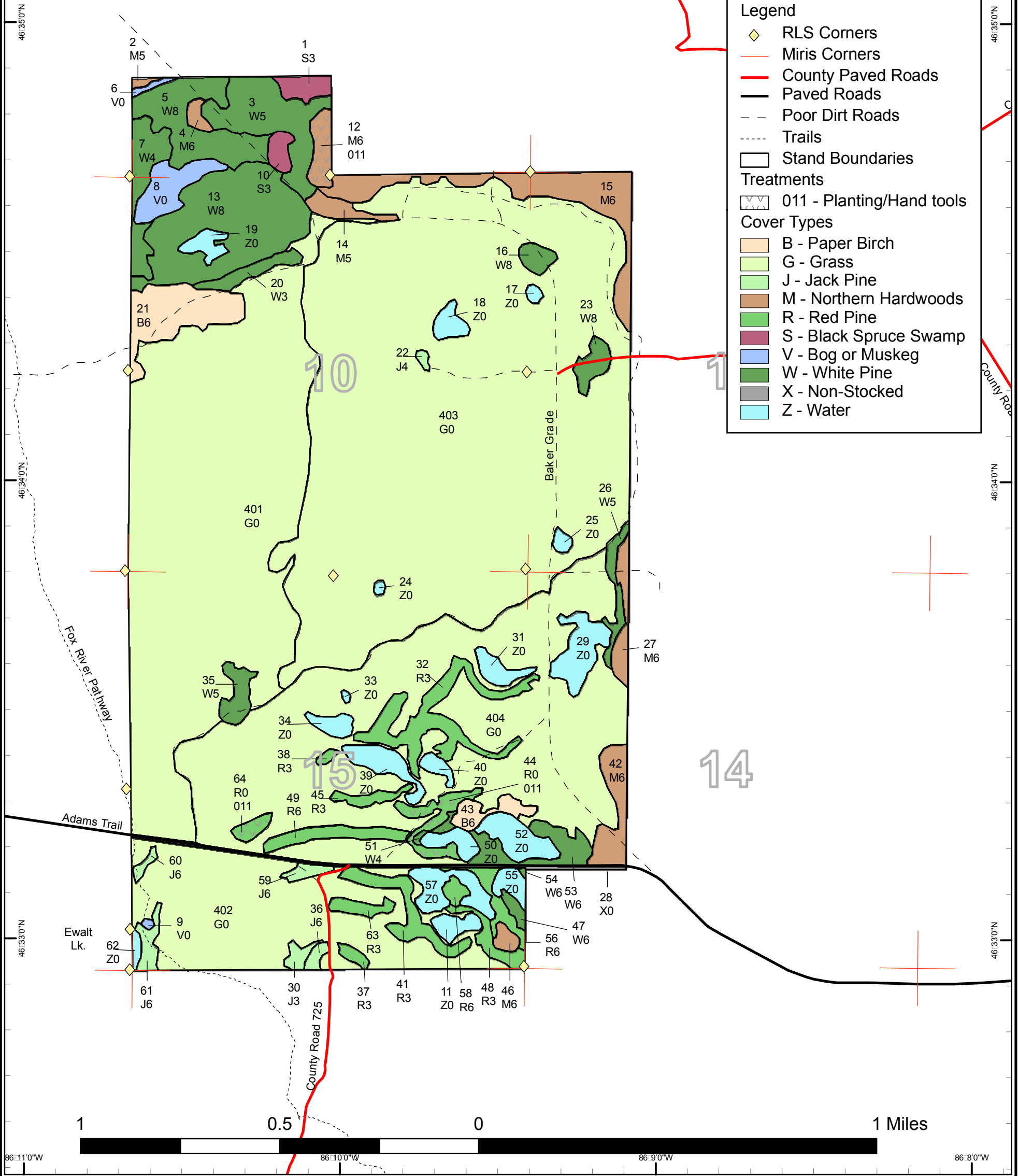
- ◆ RLS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- - - Poor Dirt Roads
- ⋯ Trails
- Stand Boundaries
- Treatments**
- ▨ 011 - Planting/Hand tools
- Cover Types**
- B - Paper Birch
- G - Grass
- J - Jack Pine
- M - Northern Hardwoods
- R - Red Pine
- S - Black Spruce Swamp
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked
- Z - Water

10

1

14

15



Compartment 138
 T48N, R15W, Sec. 3, 10, 11, 14, 15
 County: Alger
 Unit: Shingleton
 YOE:2010
 Acres: 1,640 GIS Calculated
 Stand Examiner: Jennifer Burnham
 Map Revised: 10/29/2008
 Map Phase: Pre-Review

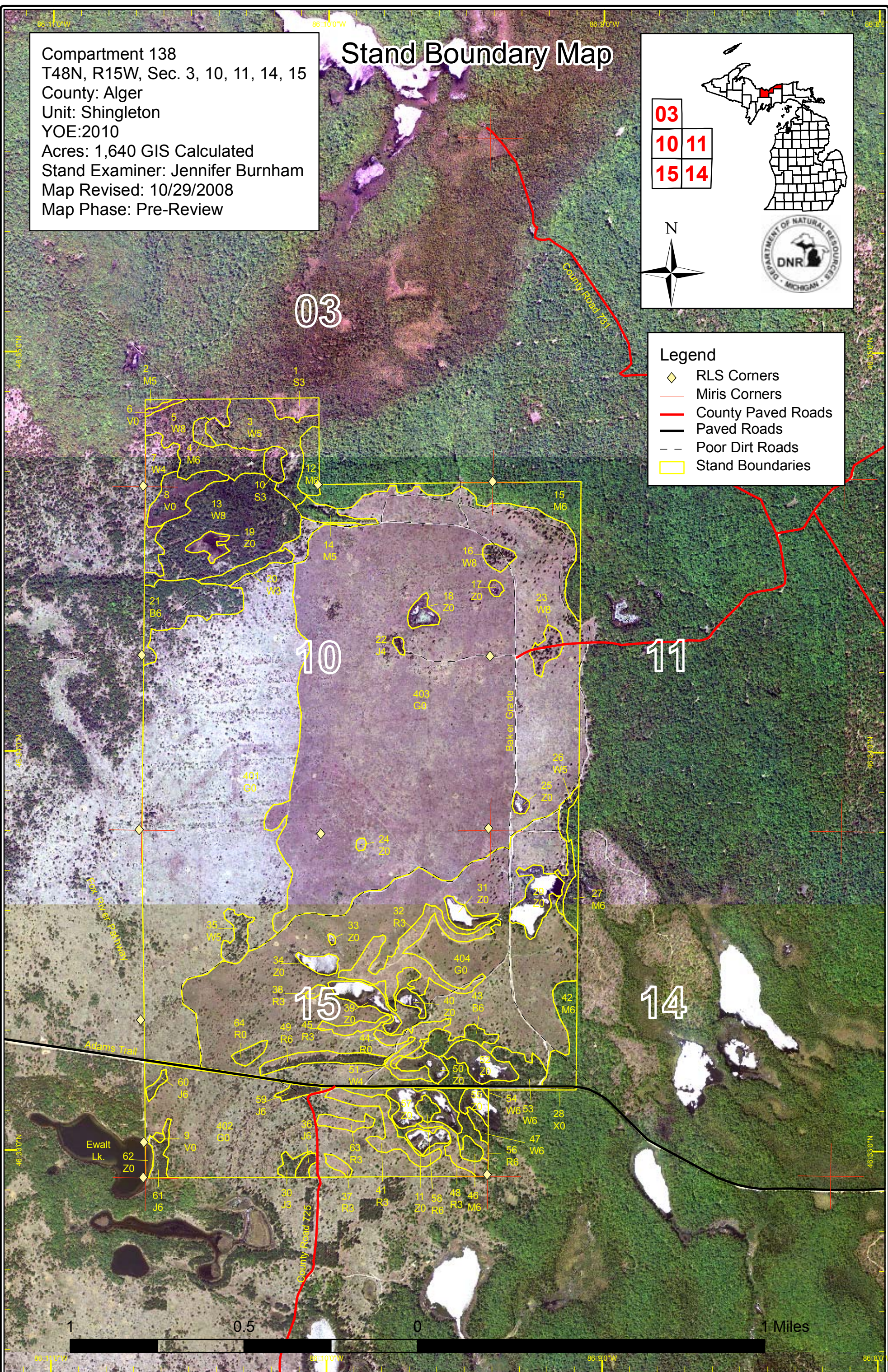
Stand Boundary Map

| | |
|----|----|
| 03 | |
| 10 | 11 |
| 15 | 14 |

N

Legend

- RLS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- Poor Dirt Roads
- Stand Boundaries





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 |
|--------------------------|-------------|--------------------|
|--------------------------|-------------|--------------------|
