



**FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 006 ENTRY YEAR: 2010

Compartment Acreage: 1028 County: Menominee

Last Revision: July 24, 2008

Stand Examiner: Dustin Salter, Forester FMFMD, Bill Rollo and Craig Albright, Wildlife Division

Legal Description: T37N R27W Sections 31, 32, and 33

Management Goals: This compartment is a mix of upland aspen stands with a few hardwood knobs and lowland conifer and hardwood swamps. Most of the lowland stands that have been harvested in the past 10 to 20 years and the stands with lower basal areas are filling in with tamarack regeneration. Aspen is the dominant species on the hardwood sites. The other hardwood species have a difficult time regenerating with the thick sedge ground cover and browsing by deer. There is one aspen stand that was scheduled to be final harvested during the last inventory cycle that still has not been harvested. It is on contract again to be harvested. Otherwise there are two mature aspen stands that are ready to be final harvested and one red maple, birch, aspen, and fir stand that should be final harvested. Approximately 369 acres of this compartment are part of the Carney Fen Natural Area. So, no management will take place in this area.

Soil and Topography: The topography is level with some rolling hills and a few steep ridges. The soils are primarily well drained loams and poorly drained mucks and peats over limestone bedrock. The major soil series are Lupton, Cathro, Tawas, Emmet, Longrie, and Summerville.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is part of a block of state land that is about 7 miles in length and 3 miles wide. There is additional state land about a mile to the west. But, the ownership pattern in this area is very broken up. There is some farmland to the west of this block of land, but most of the private land is used for recreational activities. There are some residences and camps in close proximity to this block of state land.

Unique, Natural Features: Part of this compartment makes up a portion of the Carney Fen Natural Area which contains habitat suitable for a number of different orchid species.

Archeological, Historical, and Cultural Features: None known

Special Management Designations or Considerations: Approximately 369 acres of this compartment are within the boundaries of the Carney Fen Natural Area, part of which is an Ecological Reference Area (ERA).

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Eighty percent of this compartment is comprised of just 3 forest cover types: aspen (38%), cedar (26%), and lowland hardwoods (16%). The northwest portion of the compartment (369 acres) is part of the 2,485-acre Carney Fen Natural Area—a tract of land that demonstrates a high diversity of showy orchid species. This Natural Area acreage, which is bisected by the Shakey River, is designated a “Special Conservation Area,” and no forest management treatments are proposed there. The remainder of the compartment contains most of the aspen acreage, a forest type that is valuable habitat for many of the popular game species as well as non-game wildlife. Three stands totaling 118 acres will be final

harvested and regenerated, and 3 small “legacy patches” will be retained in the largest stand to provide some mature tree patches for wildlife (such as budding opportunities for ruffed grouse).

Mineral Resource and Development Concerns and/or Restrictions:

Vehicle Access: Access into the majority of the compartment is poor. Access into the center of the comp. is off of a two-track road which comes in off of the Pokovich Lane. There are a number of old logging roads and access trails that lead off this main two-track, but most of them can only be driven with an ORV. There are a number of these trails that have been blocked that are currently being used by locals on ORV's. The access into the east side of the compartment is by way of old logging roads and access roads, which branch off of the Wiregrass Lake Road. These roads are growing in, so most of them can only be driven with an ORV.

Survey Needs: Possibly one corner will need to be set.

Recreational Facilities and Opportunities: There are no developed recreation facilities. Hunting, mushroom picking, and orving are the primary recreational activities in this area.

Fire Protection: Fires in this area would only be a concern in late spring, before the upland types greened up. Otherwise there is abundant shade in the upland, with very few conifers and in the lowland the water table is high. There are a few small drains within this compartment where water could be drafted from in the spring time, but for the rest of the year they will probably dry up.

Additional Compartment Information: There are a few stands within the Carney Fen Natural Area that are in need of a silvicultural treatment, but at this point there is no management plan dealing with possible management activities for the Natural Area. So, these stands were not prescribed for treatment this entry period.

****** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:**

- 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 on the attached compartment maps:**

- Base feature information, stand numbers, cover types**
- Proposed treatments**
- Proposed road access system**
- Suggested potential old growth**

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

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 6

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 |
|----------------|-----|---|---|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|----|---|---|-----|---|---|-------|
| A Aspen | 387 | | | | | | | | | | | | | | | | | | | | | | | | | | 387 |
| S Black Spruce | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| C Cedar | | | | 280 | | | | | | | | | | | | | | | | | | | | | | | 280 |
| G Grass | | | | | 8 | | | | | | | | | | | | | | | | | | | | | | 8 |
| N Marsh | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | 5 |
| F Spruce Fir | | | | | | | | | | | | | | | | | | | 30 | | | | | | | | 30 |
| E Swamp Hrdwds | | | | | | | | | | | | | | | | | | | | 167 | | | | | | | 167 |
| T Tamarack | | | | | | | | | | | | | | | | | | | | | 31 | | | | | | 31 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | 8 | | | | | 105 | | | 113 |
| Total | 387 | 7 | | 280 | 8 | | | | | | 5 | | | | | | | | 38 | 167 | 31 | | | 105 | | | 1028 |

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

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: 6

Table 3

(acres shown in boxes)

STAND AGE CLASS

| COVER TYPE | Not | STAND AGE CLASS | | | | | | | | | | | | | | | | All Aged | Total |
|--------------|-----------|-----------------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-------|---------|------------|---------|---------|---------|---------|-----------|-------------|
| | Coded | 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 | | |
| Aspen | | 52 | 9 | 115 | 50 | 16 | 106 | 39 | | | | | | | | | | | 387 |
| Black Spruce | | | | | | | | | | 7 | | | | | | | | | 7 |
| Cedar | | | | | | | | | | | | | 280 | | | | | | 280 |
| Grass | 8 | | | | | | | | | | | | | | | | | | 8 |
| Marsh | 5 | | | | | | | | | | | | | | | | | | 5 |
| Spruce Fir | | | 12 | | 18 | | | | | | | | | | | | | | 30 |
| Swamp Hrdwds | | | 20 | | | | | | | 147 | | | | | | | | | 167 |
| Tamarack | | | 31 | | | | | | | | | | | | | | | | 31 |
| Upland Hdwds | | | | | | | 20 | | 14 | | | | | | | | | 79 | 113 |
| Total | 13 | 52 | 72 | 115 | 68 | 16 | 126 | 39 | 14 | 154 | | | 280 | | | | | 79 | 1028 |

ESCANABA RIVER STATE FOREST

ESCANABA FOREST MGT UNIT

MENOMINEE COUNTY

COMPARTMENT: **6**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|--------------------------|-----------|-----------------------------|----------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 8686 Cds | Hardwood | 3081 Cds |
| Hardwood | 62 Mbf | Softwood | 74 Cds |
| Softwood | 6352 Cds | Sum CutVol | 3155 Cds |
| Sum TotVol | 15162 Cds | | |
| Total Cmpnt Acres | | Acres Proposed For Cut..... | 126 |
| | 1028 | | |

ESCANABA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 6

Entry Year: 2010

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDf Status |
|--|------------|------------|-----|------------|---|-----------|---------------|------------------|----------------------|------------|
| 7 | A6 | 23 | 57 | 70 | aspen (upland) | mature | final harvest | 6 | natural regeneration | |
| <p>comnts Fmd : Stand is on contract 023-06-01, to be final harvested.</p> <p>Wld : Concur with FMFMD.</p> | | | | | | | | | | |
| 35 | M6 | 8 | 76 | 55 | spruce-fir (uplands- including upland black spruce) | mature | final harvest | 2 | natural regeneration | |
| <p>comnts Fmd : PRESERVE OLD CAMP SITE. All of the species are mature, final harvest this stand. Possibly leave some or all of the spruce. Most of the birch is dying or has died out. A mix of the current overstory species is acceptable as regen.</p> <p>Wld : Concur with FMFMD.</p> | | | | | | | | | | |
| 45 | A6 | 26 | 61 | 70 | aspen (upland) | mature | final harvest | 1 | natural regeneration | |
| <p>comnts Fmd : Aspen is mature. Final harvest this stand cutting all species. Stand 24 will be the retention for this stand. After the pre-review it was decided that we would green tree some scattered ash and basswood trees to leave for future snags and diversity.</p> <p>Wld : The adjacent stand 24 is within the boundaries of the proposed Carney Fen Natural Area. WLD would prefer that a scattering of trees also be included in Std 45 as retention. Retain some ash and basswood for future snags and DWD. Aim for approximately 3% retention within Std 45. Concur with FMFMD.</p> | | | | | | | | | | |
| 48 | A6 | 69 | 57 | 70 | aspen (upland) | mature | final harvest | 1 | natural regeneration | |
| <p>comnts Fmd : A is mature, final harvest this stand. This stand was held last decade. Save all ash 5" and less to protect the wet drains running through the stand. Also, save all elm, yellow birch, and oak. After the pre-review it was decided to red line out 3 legacy patches within this stand. Each one should be approx. 1 acre in size. One of the patches will be on the west side of the road, where there is some thicker spruce. The other two patches will be placed on the east side of the road. These patches are to remain part of this stand and are not to be delineated into new stands and treated. These patches will make up part of the retention for this stand.</p> <p>Wld : Leave 3 legacy patches of approximately 1 acre each, with 1 centered on the hardwood patch that can be seen from aerial photos. No cut oak, elm, and yellow birch. Concur with FMFMD.</p> | | | | | | | | | | |
| Total Acres..... | | 126 | | | | | | | | |

**Proposed Treatments
With Limiting Factors**

Compartment: 6

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

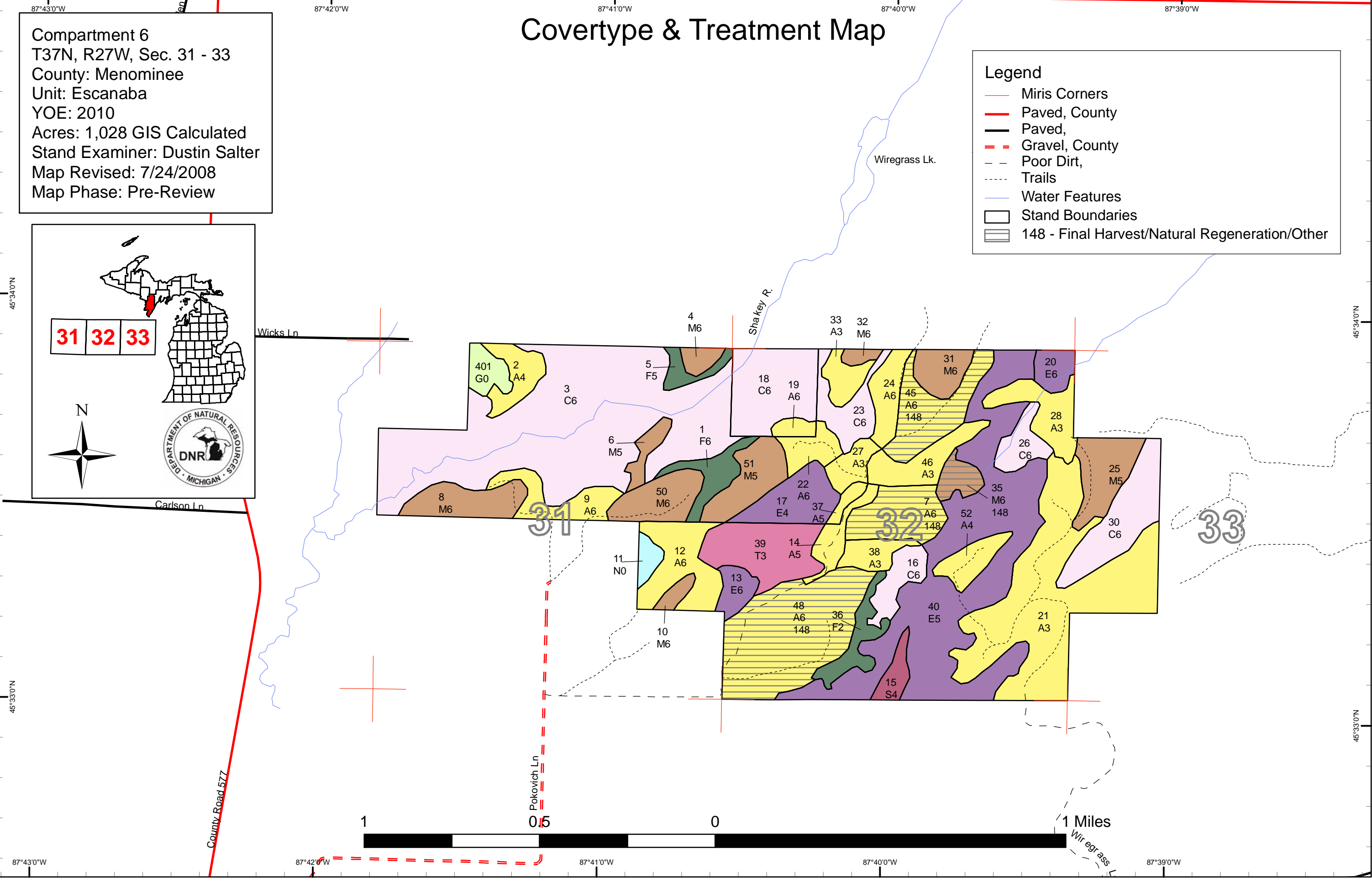
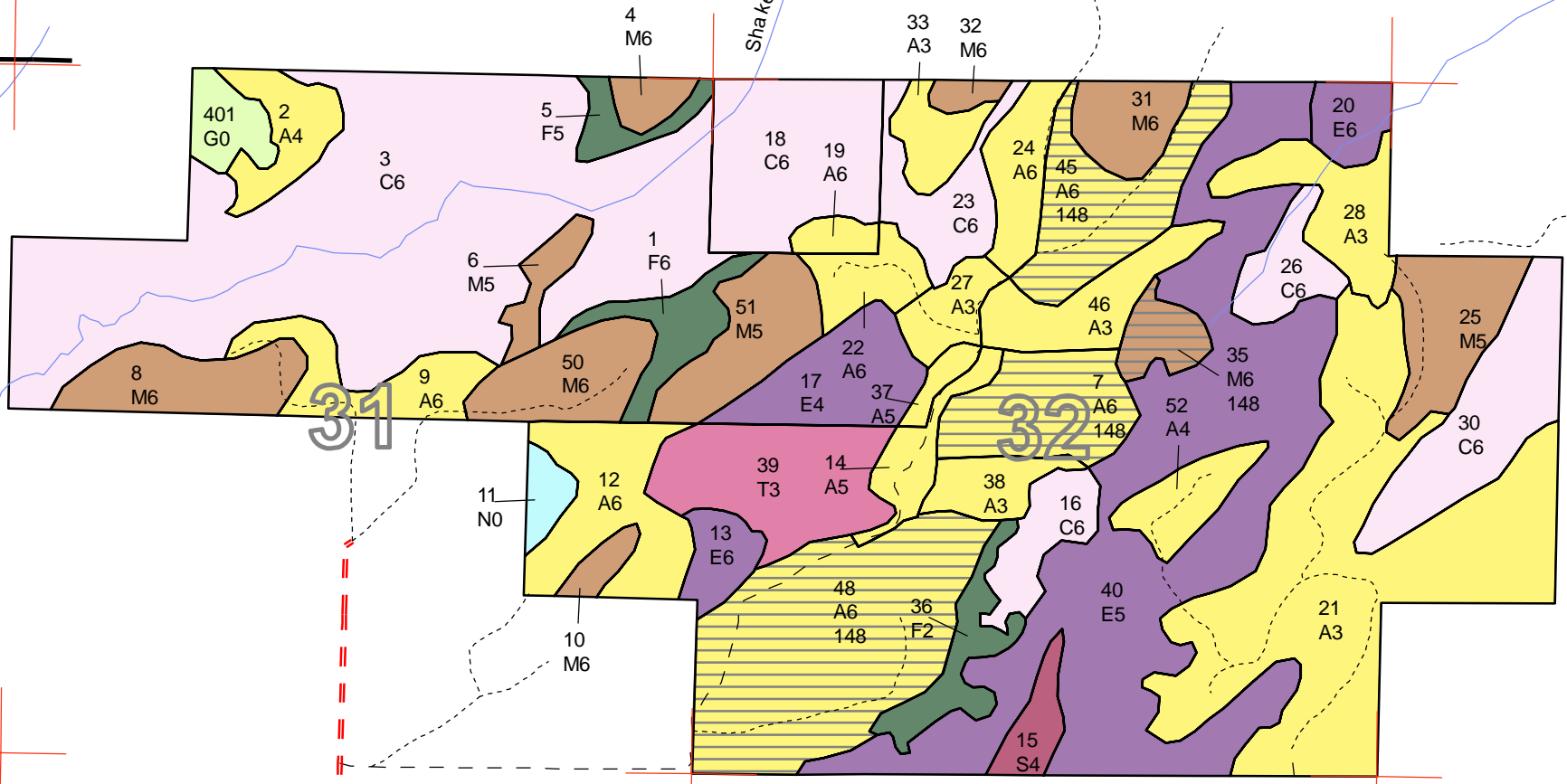
Coverture & Treatment Map

Compartment 6
 T37N, R27W, Sec. 31 - 33
 County: Menominee
 Unit: Escanaba
 YOE: 2010
 Acres: 1,028 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/24/2008
 Map Phase: Pre-Review

Legend

- Miris Corners
- Paved, County
- Paved,
- - Gravel, County
- - Poor Dirt,
- - - - Trails
- Water Features
- Stand Boundaries
- 148 - Final Harvest/Natural Regeneration/Other

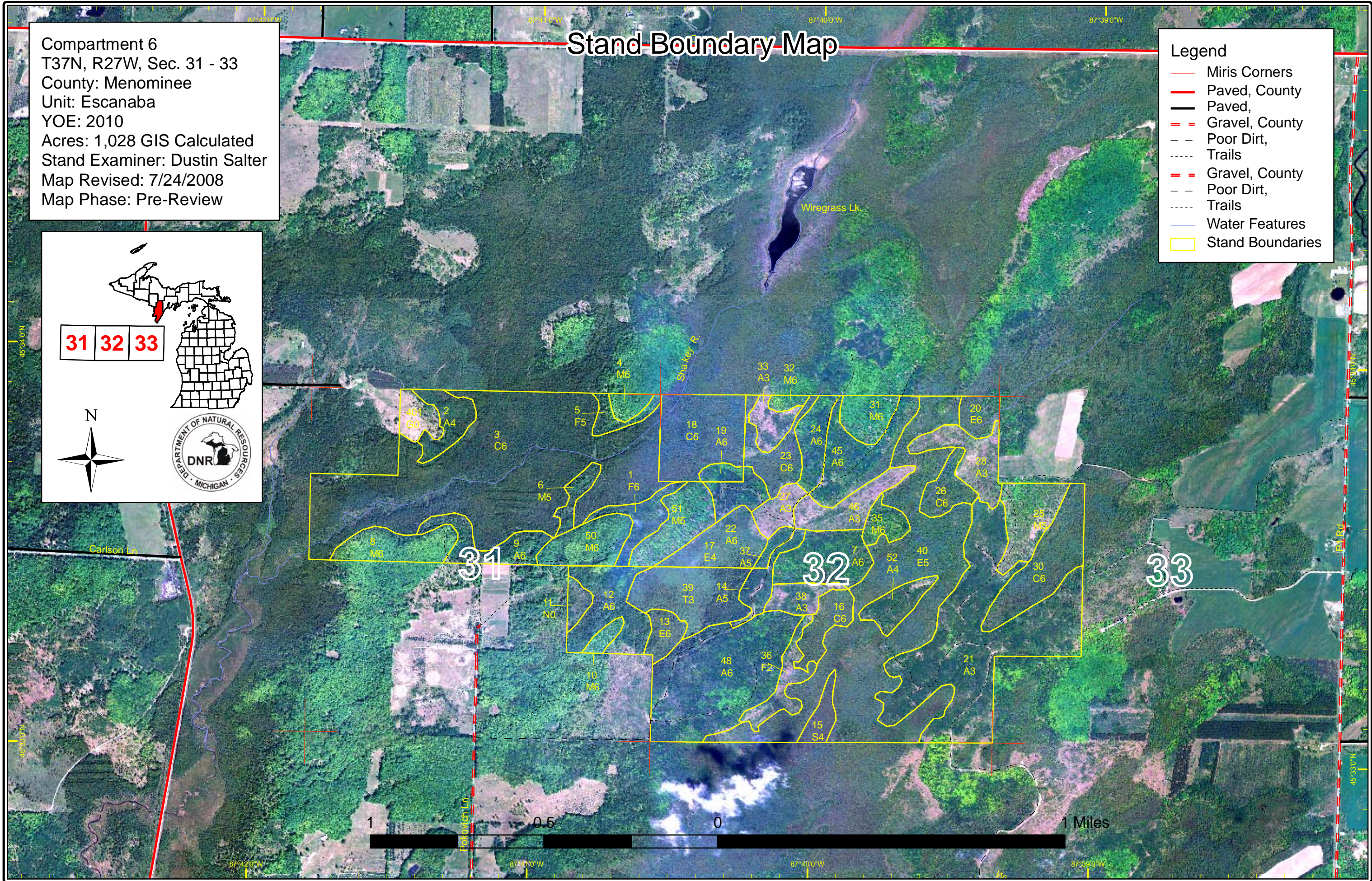
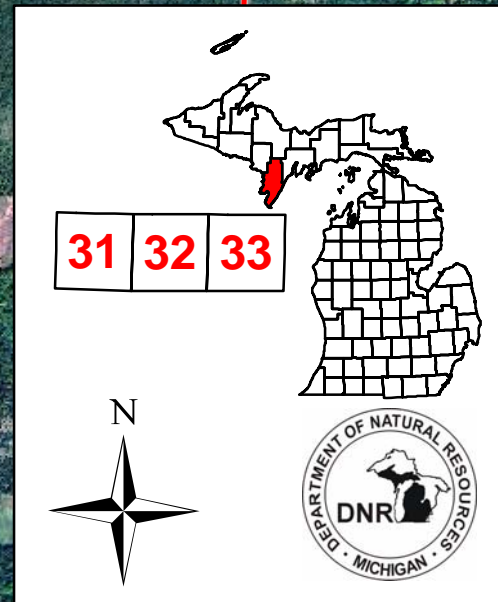
31 32 33
 N
 DNR
 DEPARTMENT OF NATURAL RESOURCES
 MICHIGAN



Stand Boundary Map

Compartment 6
 T37N, R27W, Sec. 31 - 33
 County: Menominee
 Unit: Escanaba
 YOE: 2010
 Acres: 1,028 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/24/2008
 Map Phase: Pre-Review





- Legend**
- Miris Corners
 - Paved, County
 - Paved,
 - Gravel, County
 - Poor Dirt,
 - Trails
 - Gravel, County
 - Poor Dirt,
 - Trails
 - Water Features
 - Stand Boundaries

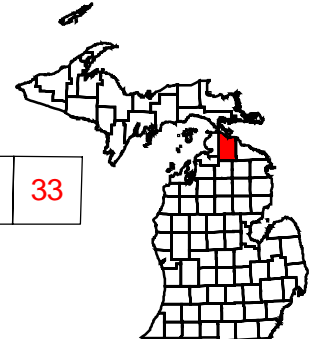


Dedicated & Proposed Special Conservation Area Map

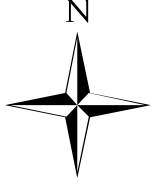

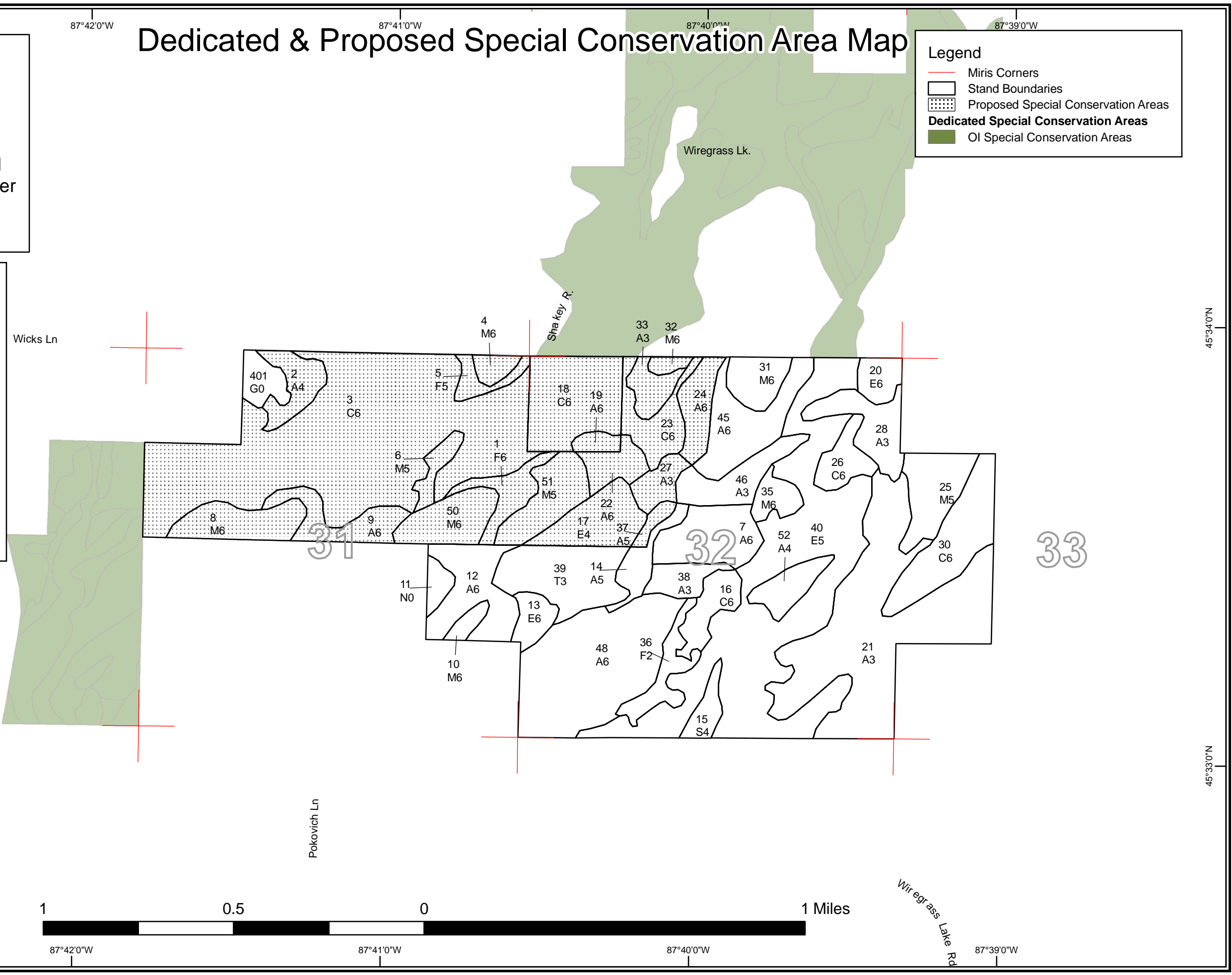
Compartment 6
 T37N, R27W, Sec. 31 - 33
 County: Menominee
 Unit: Escanaba
 YOE: 2010
 Acres: 1,028 GIS Calculated
 Stand Examiner: Dustin Salter
 Map Revised: 7/24/2008
 Map Phase: Pre-Review

Legend

-  Miris Corners
-  Stand Boundaries
-  Proposed Special Conservation Areas
- Dedicated Special Conservation Areas**
-  OI Special Conservation Areas



31 32 33

87°43'0"W 87°42'0"W 87°41'0"W 87°40'0"W 87°39'0"W

45°34'0"N

45°33'0"N

45°34'0"N

45°33'0"N



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 |
|-------------------|----------------------------|--|
| SCA | Potential Old Growth Areas | This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process. |