



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 180 ENTRY YEAR: 2008

Compartment Acreage: 1685 GIS

County: Ogemaw

Revision Date: 10/12/06

Stand Examiner: D. Ekdom

Legal Description: T24N R01E Section 25
T24N R02E Sections 29 & 30

RMU (if applicable): Not Applicable

Management Goals: Maintain current age and cover-types as specified in the Kirtlands Warbler Recovery Plan (KWRP) in that part of the compartment which is within the plan. Maintain current age and species diversity in a range of early and late successional ecosystems in the rest of the compartment.

Soil and Topography: Terrain is flat to rolling in the western 2 sections. The eastern section of the compartment is rolling to hilly terrain. Soils are mostly Graycalm or Mancelona sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is a solid block of state ownership except for 160 acres of wooded private property in Section 30. There is also a U.S.F.W.S. parcel in Section 29 which is managed concurrently with the state land for kirtlands warbler habitat.

Unique, Natural Features: Potential for Rough Fescue, Hills Thistle, Pale Agoseris, and Allegheny Plum and other pine barren/savannah species throughout the compartment with some species of the above recorded in the compartment in recent years.

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

Special Management Designations or Considerations: That portion of the compartment within the KWRP is classified as an HCVA.

Watershed and Fisheries Considerations: None

Wildlife Habitat Considerations: Maintain as much ecosystem diversity in the compartment as possible given constraints imposed by the KWRP 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 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 Coldwater Shale. The Coldwater does not have a current economic use. The nearest gravel pit is located three miles to the east, but potential should be good on the uplands. Part of the Rose City Field is located in the Compartment. 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. Most of the State lands in the Compartment are currently leased and Held by Production.

Vehicle Access: Access is good along county and oil well roads. Close trails where possible as well sites are abandoned.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: The snowmobile trail is runs along Heath road on the southern boundary of the compartment. The ORV trail runs from Heath Road to Oyster Road in the east ½ of Section 29.

Fire Protection: This compartment is almost entirely jack pine – an extremely hazardous fuel type. Fuelbreaks are planned along section line roads and will be developed and maintained as the adjacent stands are cut and regenerated. In addition, the presence of well sites and both aboveground and underground flow lines make fire suppression more difficult in this compartment.

Additional Compartment Information: 331 acres of jack pine have been proposed to be final harvested and regenerated for kirtlands warbler habitat. These stands are planned to be regenerated in 2018 so timber sale field work will need to be initiated in 2013 to allow producers to cut these merchantable stands before they are treched and planted. 20 acres of aspen are also proposed to be regenerated via final harvest. Visual concerns & “Green-up” requirements will need to be taken into account when setting up the large KW cuts in this compartment

Cover Type details and proposed treatments are listed in the attached reports:

- ◆ **Cover Type by Age Class**
 - ◆ **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**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 71180

Date: 10/25/2006

	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	38.1	0	0	0	79.7	0	0	19.6	0	0	0	137.4
Herbaceous Openland	38	0	0	0	0	0	0	0	0	0	0	0	38
Low-Density Trees	1.7	0	0	0	0	0	0	0	0	0	0	0	1.7
Lowland Shrub	1.8	0	0	0	0	0	0	0	0	0	0	0	1.8
Mixed Upland Deciduous	0	20.6	0	0	0	8.4	0	0	0	0	0	0	29
Natural Pines	0	0	140.8	34.9	176.1	179.6	0	0	39.7	0	0	0	571.1
Oak Types	0	0	0	0	0	89.6	0	0	16.3	0	0	0	105.9
Other Bare/Sparsely Vegetated	7.3	0	0	0	0	0	0	0	0	0	0	0	7.3
Planted Pines	0	493.9	0	214.2	0	15.7	0	0	0	0	0	0	723.8
Road/Parking Lot	4.9	0	0	0	0	0	0	0	0	0	0	0	4.9
Sand, Soil	5.9	0	0	0	0	0	0	0	0	0	0	0	5.9
Upland Mixed Forest	0	0	25.2	0	0	23	0	0	9.3	0	0	0	57.5
Grand Total	59.6	552.6	166	249.1	176.1	396	0	0	84.9	0	0	0	1684.3

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
12	180012	46.6	Natural Jack Pine	5	39	0	Clearcut with Reserves	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	40 year old jack pine with scattered older oaks and red pine									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW, mark some larger red pine for future snags									
<u>Next</u> <u>Steps:</u>	plant jack pine - KW spacing									
15	180015	21.6	Natural Jack Pine	4	39	0	Clearcut	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	low density jack pine in bowl or frost pocket									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW									
<u>Next</u> <u>Steps:</u>	plant jack pine with KW spacing									
16	180016	107.9	Natural Jack Pine	6	39	0	Clearcut with Reserves	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	40 year old jack pine with scattered older jack and red pine									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW, mark some larger red pine for future snags, place "leave" strip on west edge for visual									
<u>Next</u> <u>Steps:</u>	plant to jack pine for KW except for leaving fuelbreak on south and east sides along fairview and heath roads									
18	180018	22.3	Natural Jack Pine	5	76	40	Clearcut with Reserves	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	2 aged jack pine stand									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW, mark some larger red pine/oak for future snags									
<u>Next</u> <u>Steps:</u>	plant jack pine for KW									
25	180025	3.6	Natural Jack Pine	4	40	0	Clearcut	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	sparse pole size jack pine									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW									
<u>Next</u> <u>Steps:</u>	plant jack pine for KW									
29	180029	108.8	Natural Jack Pine	6	40	0	Clearcut with Reserves	Habitat Management	Planted Jack Pine	
<u>Rev</u> <u>Cmnt:</u>	40 year old jack pine with scattered larger oaks and red pine									
<u>Rev</u> <u>Spec</u>	2" clearcut for KW, mark some larger red pine for future snags, leave neck between 2 smaller aspen stands out of sale									
<u>Next</u> <u>Steps:</u>	plant jack pine for KW except for fuel break on south end of stand along heath road									

S
t
a
n
d

Roscommon Mgt. Unit

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 180

Entry Yr: 2008

Inventory Method: IFMAP

Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
30 180030	17.4	Natural Jack Pine, Mixed Deciduous	5	76	40	Clearcut with Reserves	Habitat Management	Planted Jack Pine	
<u>Rev Cmmt:</u> 2 aged jack pine stand, older jack pine and oak with aspen, jp, oak poles in understory									
<u>Rev Spec:</u> 2" clearcut for KW, mark some older red pine/oak for future snags									
<u>Next Steps:</u> plant jack pine for KW except for fuel break on south edge of stand along heath road.									

37 180037	19.6	Aspen, Oak	9	76	0	Clearcut with Reserves	Regeneration	Aspen, Oak	
<u>Rev Cmmt:</u> line location and size of stand may change because examiner was unable to determine correct location of line between oak stand to the east and this aspen stand, possible oil lines in this stand									
<u>Rev Spec:</u> 2" clearcut leaving a RO/WO/Pine component for diversity,									
<u>Next Steps:</u> evaluate for regeneration 4 years after cutting, any mix of aspen/red maple/oak to a fully stocked stand is acceptable regeneration									

**Total Treatment
Acreage Proposed: 347.8**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

S
t
a
n
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:

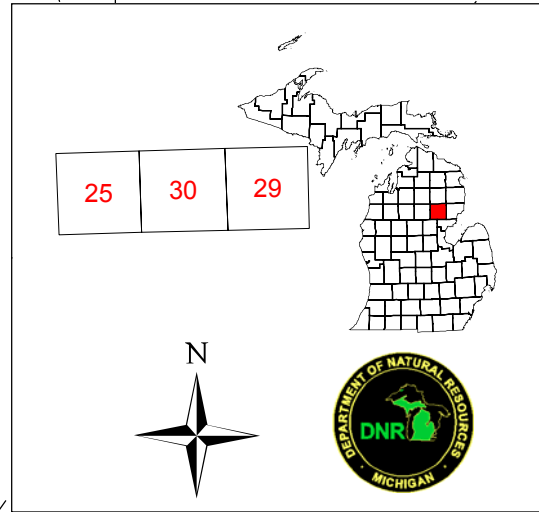
Rev
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 180
 T24N, R01E, Sec. 25
 T24N, R02E, Sec 29-30
 County: Ogemaw
 Unit: Roscommon
 YOE: 2008
 Acres: 1,685 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

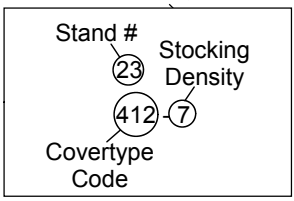
- Miris Corners
- County Paved Roads
- - - County Gravel Roads
- - - County Poor Dirt Roads
- Paved Roads
- - - Gravel Roads
- - - Poor Dirt Roads
- - - Trails
- - - Pipelines
- - - Powerlines
- - - Intermittent Stream/Drain
- Minerals
- ORV Trails
- Snowmobile Trails
- Stands
- Clearcut
- Clearcut with Reserves

Forest Stands

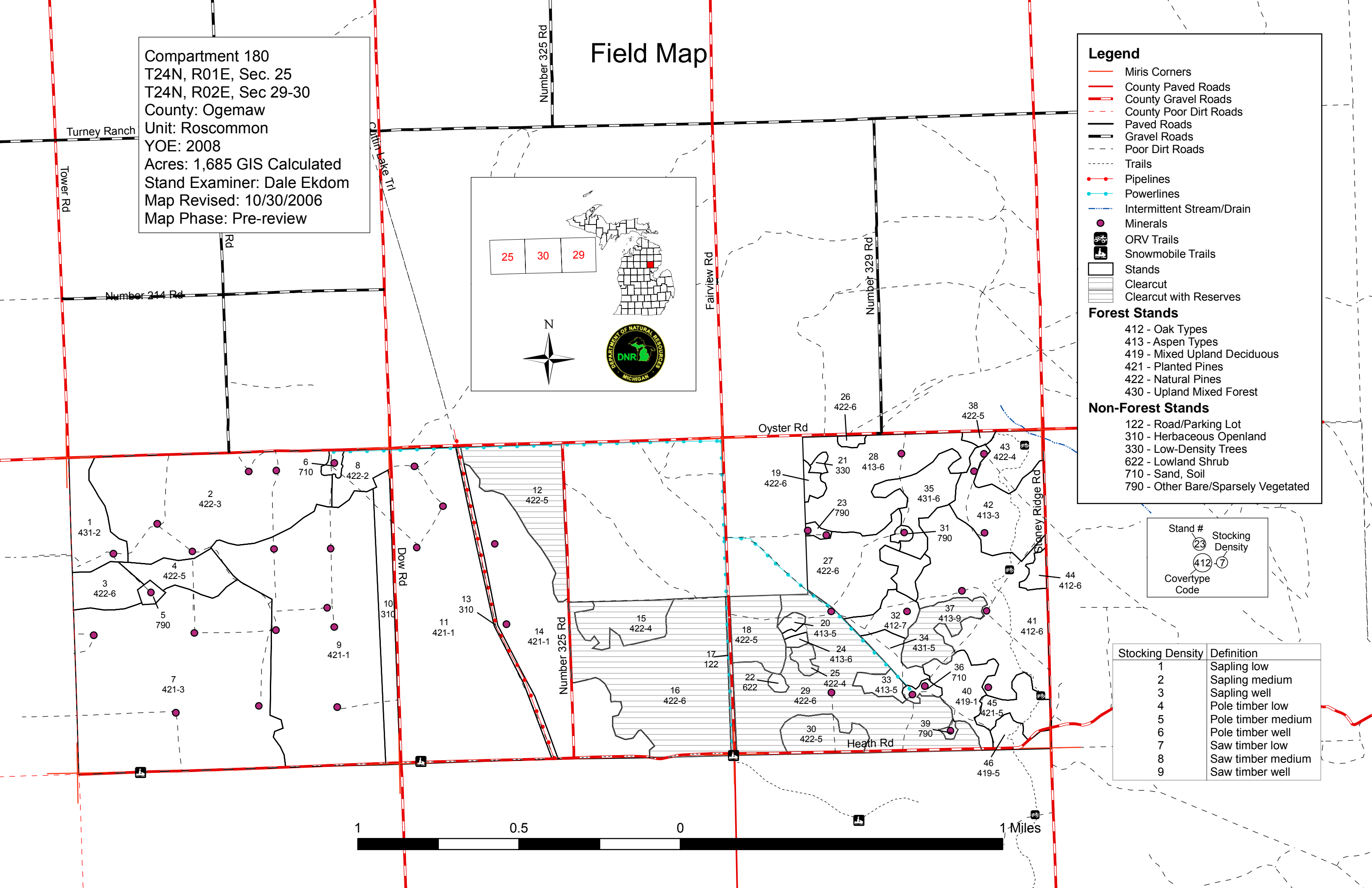
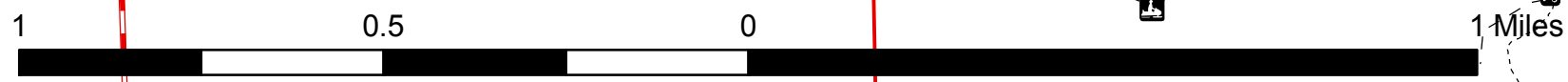
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 710 - Sand, Soil
- 790 - Other Bare/Sparsely Vegetated

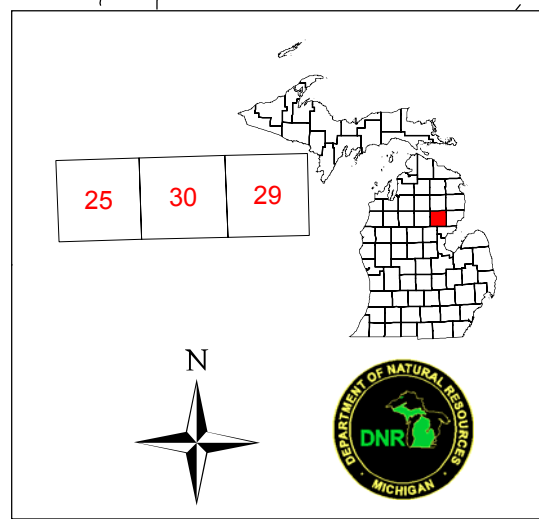


Stocking Density	Definition
1	Sapling low
2	Sapling medium
3	Sapling well
4	Pole timber low
5	Pole timber medium
6	Pole timber well
7	Saw timber low
8	Saw timber medium
9	Saw timber well



Cover Type

Compartment 180
 T24N, R01E, Sec. 25
 T24N, R02E, Sec 29-30
 County: Ogemaw
 Unit: Roscommon
 YOE: 2008
 Acres: 1,685 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- - - County Poor Dirt Roads
- Paved Roads
- Gravel Roads
- - - Poor Dirt Roads
- - - Trails
- Pipelines
- Powerlines
- Intermittent Stream/Drain
- Minerals
- ORV Trails
- Snowmobile Trails

Forest Stands

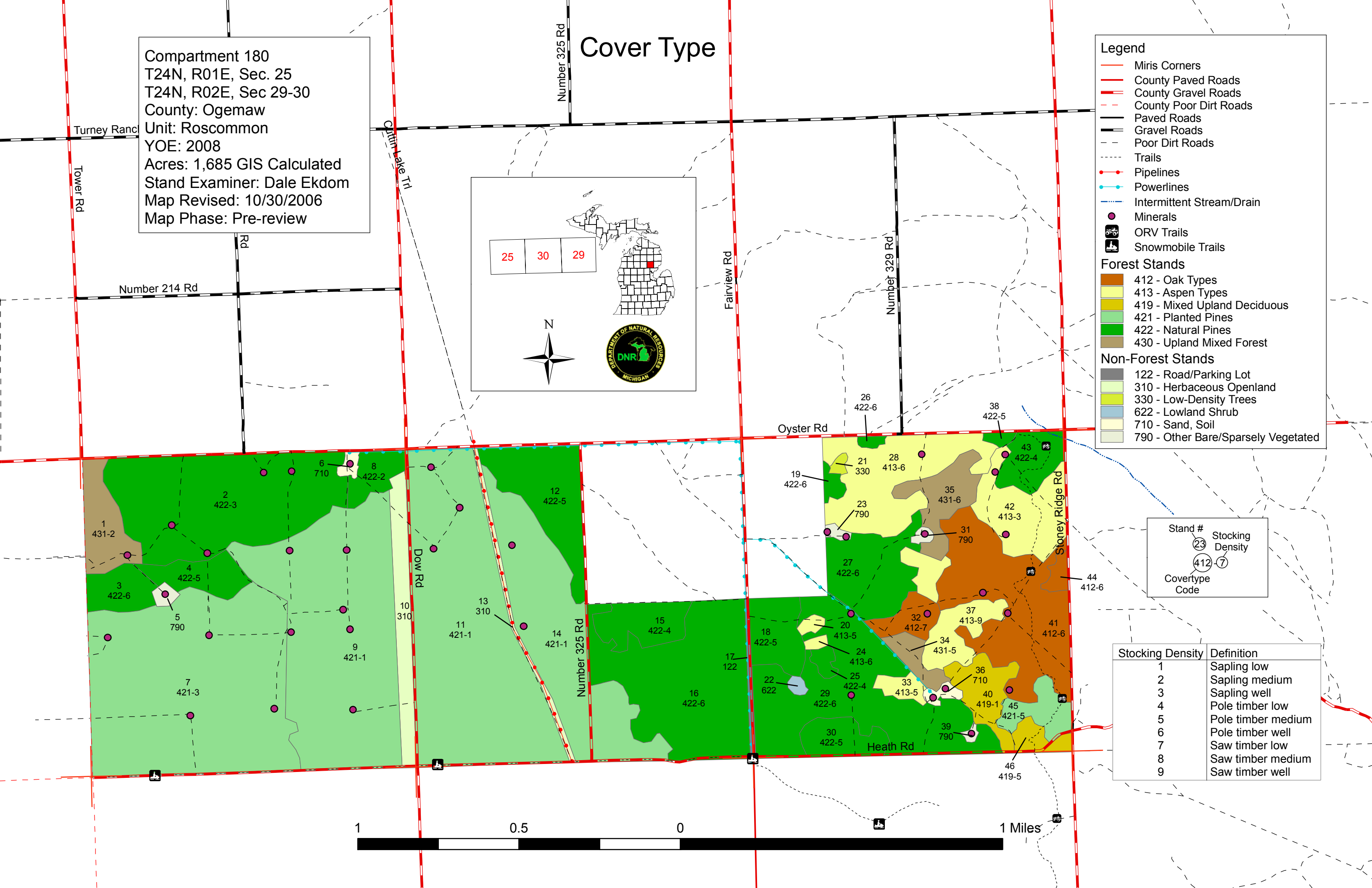
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 710 - Sand, Soil
- 790 - Other Bare/Sparsely Vegetated

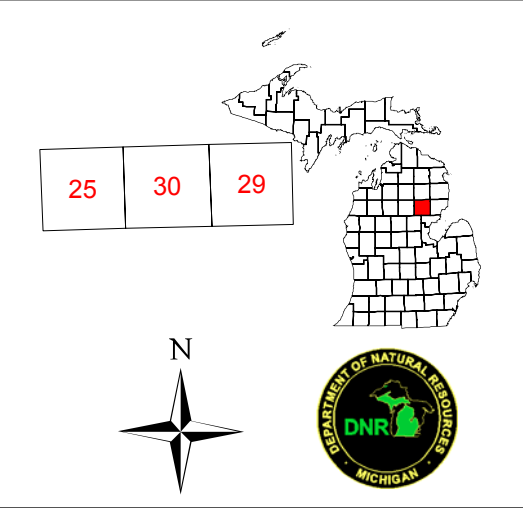
Stand # Stocking Density
 (29) (7)
 Covertype Code

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	Saw timber low
8	Saw timber medium
9	Saw timber well



Compartment 180
 T24N, R01E, Sec. 25
 T24N, R02E, Sec 29-30
 County: Ogemaw
 Unit: Roscommon
 YOE: 2008
 Acres: 1,685 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review

Treatment



Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- - - County Poor Dirt Roads
- Paved Roads
- Gravel Roads
- - - Poor Dirt Roads
- Pipelines
- Powerlines
- - - Trails
- Intermittent Stream/Drain
- Minerals
- ORV Trails
- Snowmobile Trails
- Stands
- Clearcut
- Clearcut with Reserves

Forest Stands

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 710 - Sand, Soil
- 790 - Other Bare/Sparsely Vegetated

Stand # 29 Stocking Density
412 7
 Covertype Code

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	Saw timber low
8	Saw timber medium
9	Saw timber well

Turney Ranch

Number 214 Rd

1 Rd

Quinn Lakes Rd

Number 325 Rd

Fairview Rd

Number 329 Rd

Oyster Rd

New Ridge Rd

Dow Rd

Number 325 Rd

Heath Rd

