



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 172 ENTRY YEAR: 2009

Compartment Acreage: 2162 County: Ogemaw

Revision Date: 5/15/07

Stand Examiner: D. Ekdom

Legal Description: T24N R1E Sections 7 – 9, & 18

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 rolling to flat and soils are almost entirely Grayling sand with a few inclusions of Ottawa loamy sand in the uplands, and Greenwood peat in the one wet drainage.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly state owned land except for one 80 acre private parcel used as hunting property in the northeast of Section 18. Lands surrounding the compartment are state or U.S.F.W.S. owned except for a few private in-holdings used for hunting purposes.

Unique, Natural Features: Kirtlands warblers have been documented in the jack pine areas of the compartment. Bald eagles, prairie warblers, dusted skippers, and great blue herons as well as secretive locust, Ram's head lady's slipper, and doll's merolonche have been documented on lands adjacent to the compartment. Potential for Rough Fescue, Hills Thistle, Pale Agoseris, and Allegheny Plum and other pine barren/savannah species exists throughout the compartment and have been found on lands adjacent to the compartment.

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

Special Management Designations or Considerations: Compartment is in the Damon Kirtlands Warbler Management Unit and is part of Blocks 88 and 86 in the revised KWRP. Stands which are part of the KWRP are designated as HCVA's. Per the KWRP, no regeneration cuts for KW habitat are scheduled in this compartment for this year-of-entry.

Watershed and Fisheries Considerations: None except for the drainage in the southwest of Section 18, which will have to be buffered for BMP's if stands adjacent to the drainage are treated.

Wildlife Habitat Considerations: Maintain as much ecosystem diversity in the kirtlands warbler portion of 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. Maintain ecosystem diversity in the rest of the

compartment via regular 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 ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift are the Mississippian Coldwater Shale and Marshall Sandstone. The Marshall was previously used as a building stone. The nearest gravel pit is located two miles to the west and there may be some potential. The Rose City Field is located one mile to the south. The field has 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. None of the State lands in the Compartment are currently leased.

Vehicle Access: Vehicle access to this compartment is good via seasonal county roads, the snowmobile trail, and state forest two-tracks.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: This compartment contains part of the Ogemaw Hills snowmobile trail. Compartment is heavily used for deer hunting with many traditional camps located just off the county roads and two-tracks.

Fire Protection: This compartment is over 75% jack pine, an extremely volatile fuel type, and is in the Zone 3 fire dispatch area.

Additional Compartment Information: Proposed treatments include 214 acres of final harvests in aspen, oak, and jack pine and 77 acres of red pine thinnings. No treatments are proposed in kirtlands warbler blocks at this time per the KWRP.

- **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**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 71172

Date: 9/7/2007

	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	1.5	0	16	0	231.2	0	0	0	0	0	0	248.7
Herbaceous Openland	48.3	0	0	0	0	0	0	0	0	0	0	0	48.3
Low-Density Trees	148.9	0	0	0	0	0	0	0	0	0	0	0	148.9
Lowland Shrub	26.5	0	0	0	0	0	0	0	0	0	0	0	26.5
Mixed Upland Deciduous	0	34.5	0	0	0	29.2	0	0	0	31.7	0	0	95.4
Natural Pines	0	0	52.9	0	239.9	442.8	0	0	0	55	0	0	790.6
Planted Pines	0	463.9	256.7	0	29.9	22	0	0	0	0	0	0	772.5
Upland Mixed Forest	0	0	0	0	0	26.8	0	0	0	0	0	0	26.8
Upland Shrub	4.2	0	0	0	0	0	0	0	0	0	0	0	4.2
Grand Total	227.9	499.9	309.6	16	269.8	752	0	0	0	86.7	0	0	2161.9

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
6 71172006-Cut	31.3	4130 - Aspen	5	42	0	Clearcut with Reserves	Regeneration	Aspen	

Rev Final harvest to regenerate aspen
Cmnt:

Rev Mark mast trees to leave and mark pine to leave for diversity, be aware of visuals on the snowmobile trail
Spec:

Next Regeneration survey
Steps:

10 71172010-Cut	4.1	4130 - Aspen	6	45	0	Clearcut with Reserves	Regeneration	Aspen	
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Rev Final harvest to regenerate aspen
Cmnt:

Rev Mark mast trees to leave and pine to leave for diversity, be aware of visuals on the snowmobile trail
Spec:

Next regeneration survey
Steps:

16 71172016-Cut	22.1	42110 - Planted Red Pine	6	40	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
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Rev Remove every third row to reduce the volume of the stand by 1/3rd and provide access to the stand for subsequent thinnings
Cmnt:

Rev Leave as much hardwood in the stand as possible for diversity, leave large natural red pine and white where possible
Spec:

Next Evaluate for additional thinnings
Steps:

17 71172017-Cut	31.7	4191 - Mixed Upland Deciduous with Conifer	8	86	45	Clearcut with Reserves	Regeneration	Oak, Aspen	
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Rev final harvest to regenerate oak and aspen, use 4" spec to protect areas of advanced oak regeneration
Cmnt:

Rev Mark scattered oaks for mast and pine for diversity, mark den trees when found, leave dead standing and down trees for CWD/Wildlife, leave areas heavy to jack pine for retention
Spec:

Next regeneration survey, plant red pine where oak/aspen do not regenerate
Steps:

18 71172018-Cut	34.7	4132 - Aspen, Jack Pine	5	45	0	Clearcut with Reserves	Regeneration	Aspen	
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Rev Final harvest to regenerate aspen
Cmnt:

Rev Mark mast trees to leave and pine to leave for diversity, watch visuals on the snowmobile trail, more brushy areas could be left for retention
Spec:

Next regeneration survey
Steps:

19 71172019-Cut	57.6	42220 - Natural Jack Pine	5	45	0	Clearcut with Reserves	Regeneration	Planted Red Pine, Mixed Deciduous	
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Rev
Cmnt:

Rev Mark oak to leave for mast, mark white pine OR spec out white pine for diversity/visual, mark scattered larger red pine for future snags and CWD, watch visuals on the snowmobile trail
Spec:

Next plant red pine on normal spacing
Steps:

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
26 71172026-Cut	26.8	4311 - Pine, Aspen Mix	6	46	82	Patch or Strip Clearcut	Regeneration	Aspen, Mixed Pine	
<u>Rev Cmnt:</u> patches of aspen will be final harvested, pine/oak patches will be thinned - cut all jack pine, red maple, and aspen, also cut marked oak, red pine, and white pine									
<u>Rev Spec:</u> leave areas of good oak regeneration, leave area of white pine on NW corner, leave brushy areas along road									
<u>Next Steps:</u> regeneration survey									
29 71172029-Cut	55.0	42210 - Natural Red Pine	9	81	0	Crown Thinning	Intermediate Cut	Natural Red Pine	
<u>Rev Cmnt:</u> Thin to 90 - 120 SF per acre									
<u>Rev Spec:</u> Remove some red pine trees in the medium - large log class (past utility pole specs), remove some in the pole size class also, release trees in the small log class which have a high quality stem and/or have low canopy exposure, maintain current ratios of white pine and red pine, watch visuals on snowmobile trail									
<u>Next Steps:</u> final harvest and re-plant red pine at some future YOE or try for natural regeneration of red/white pine									
43 71172043-Cut	26.6	4130 - Aspen	5	41	0	Clearcut with Reserves	Regeneration	Aspen	
<u>Rev Cmnt:</u> Final harvest to regenerate aspen									
<u>Rev Spec:</u> Mark oak to leave for mast and pine to leave for diversity, be aware of visuals on the snowmobile trail and Turney Ranch Road, leave brushy areas on the east side for retention, buffer lowland brush area to the north									
<u>Next Steps:</u> regeneration survey									
24 NF_71172024-Burn	43.7	Grass	0	0	0	Prescribed Burn	Opening Maintenance		
<u>Rev Cmnt:</u> maintain as fuelbreak									
<u>Rev Spec:</u> moderate burn during non-nest season									
<u>Next Steps:</u> periodic burns to maintain grass for fuelbreak									
45 NF_71172045-Burn	22.3	Low Density Conifer Trees	0	0	0	Prescribed Burn	Opening Maintenance		
<u>Rev Cmnt:</u> maintain as fuelbreak									
<u>Rev Spec:</u> moderate burn during non-nest season									
<u>Next Steps:</u> periodic burns to maintain grass for fuelbreak									

**Total Treatment
Acreage Proposed: 355.9**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

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Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

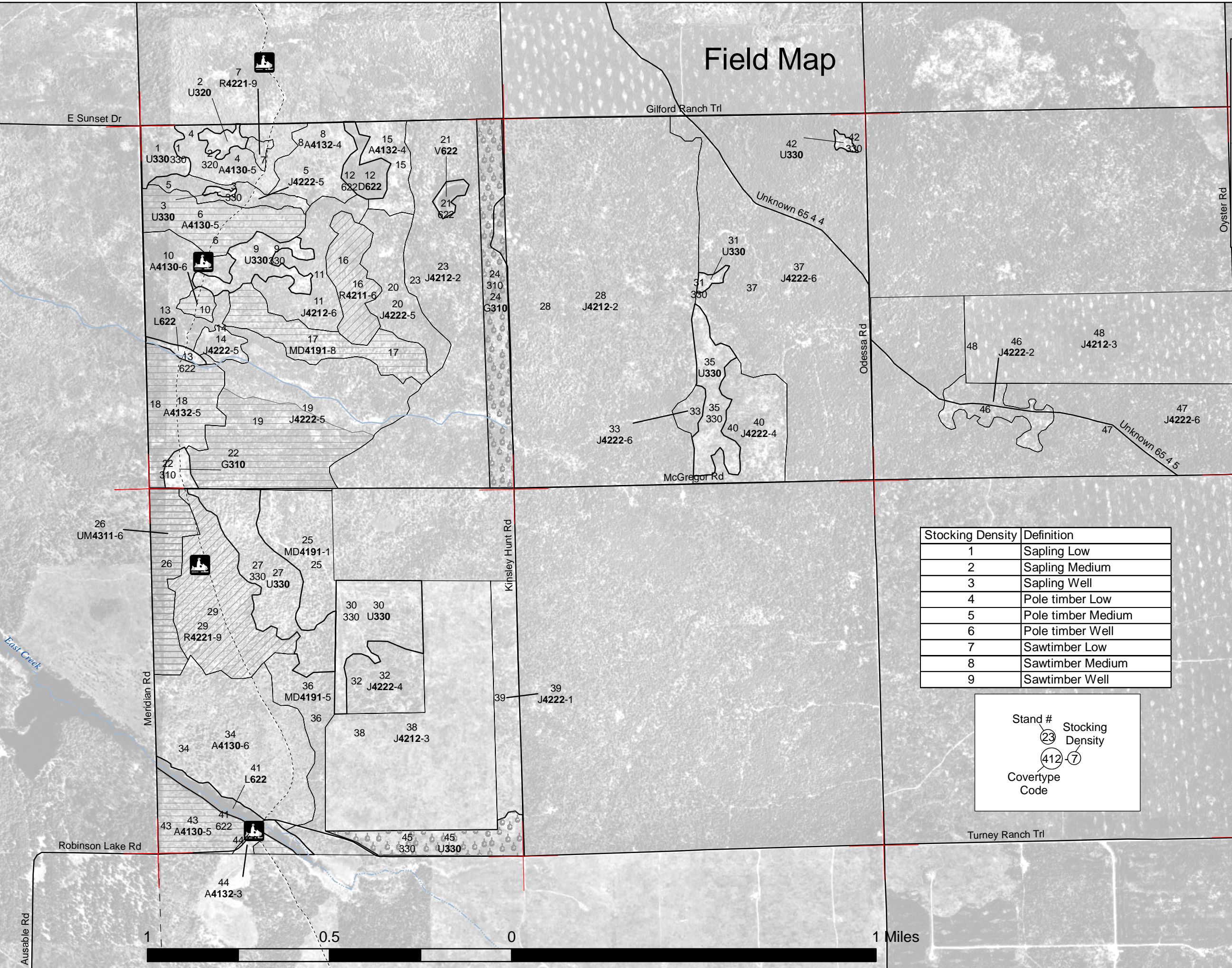
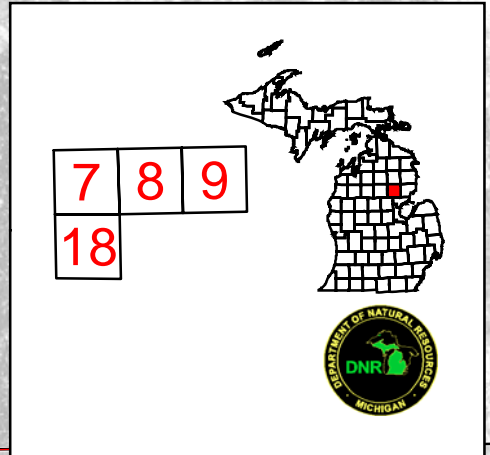
Rev
Spec:

Next
Steps:

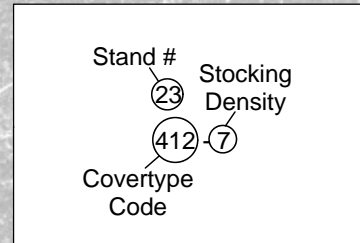
**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 172
 T24N, R01E, Sec. 7-9, 18
 County: Ogemaw
 Unit: Roscommon
 YOE: 2009
 Acres: 2,162 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 9/05/2007
 Map Phase: Pre-Review



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	Sawtimber Low
8	Sawtimber Medium
9	Sawtimber Well



Legend

- Miris Corners
- Paved Road
- Poor Dirt Road
- Trails
- Intermittent Stream/Drain
- Stream
- Snowmobile Trails
- Stands
- Clearcut with Reserves
- Patch or Strip Clearcut
- Crown Thinning
- Systematic Thinning
- Prescribed Burn

Forest Stands

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

Non-Forest Stands

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 622 - Lowland Shrub

