



**Crystal Falls FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 074 ENTRY YEAR 2008
Compartment Acreage: 1051 County: Dickinson**

Revision Date: 9-19-2006

Stand Examiner: Debbie Goupell

Legal Description: T41N R30W Section 8, 9

Management Goals: This compartment has a lot of immature aspen and hardwood interspersed with swamp conifer. About 1/4 of this compartment is deeryard. We will want to maintain diversity in hardwood stands being thinned by promoting growth on the best trees in all stands being thinned while encouraging mesic conifer components. Maintain lowland swamp conifer and the species diversity within that timber type. Protect all bodies of water, especially the Badwater Creek.

Soil and Topography: Soils in this compartment range from mucks to fine sandy loam, some of the latter being poorly drained; topography is level in the swamps but mostly rolling and even a few steep hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State-owned land and private ownership, used by loggers, hunters, fisherpeople, general recreationists. Land around the compartment is mostly privately owned, including some timber company land.

Unique, Natural Features (include only non-site specific and non-sensitive information): Badwater Creek, rocky outcrops

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

Special Management Designations or Considerations: Deeryard

Watershed and Fisheries Considerations: Badwater Creek

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Surface sediments consist of thin to discontinuous glacial till over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Archean Granite/Gneiss, Chocoday Group and Michigamme Formation outcrops beneath the glacial drift. There is not a current economic use for these rocks, but the granite/gneiss has building/dimension stone potential. A crushed marble quarry is located two miles to the north. The Groveland iron mine is located approximately six miles to the east. This compartment was previously leased for metallic exploration and there may still potential. A gravel pit is located two miles to the north and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: County Road 607 on east side, Peavy Falls Road to the south, trails through the compartment

Survey Needs: Corners will be needed in section 9.

Recreational Facilities and Opportunities: Hunting, dispersed camping, fishing, trapping, hiking.

Fire Protection: Norway & Felch protection area. There is minimal access to most upland stands; standard fire equipment may have difficulty utilizing existing trails.

Additional Compartment Information:

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: 12074

Date: 10/9/2006

	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	24.2	0	72.1	62	23	0	0	5.2	0	0	0	186.5
Lowland Coniferous Forest	0	0	0	0	0	0	0	11.7	66.8	61.1	12.5	0	152.1
Lowland Deciduous Forest	0	0	0	0	0	0	22.6	60.3	20.6	0	54.8	0	158.3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	17.9	0	17.9
Lowland Shrub	55	0	0	0	0	0	0	0	0	0	0	0	55
Mixed Upland Deciduous	0	0	0	0	0	0	0	9.7	0	0	0	0	9.7
Northern Hardwood	0	0	0	0	0	0	0	371.7	88.3	0	0	0	460
Road/Parking Lot	5.8	0	0	0	0	0	0	0	0	0	0	0	5.8
Water	5.6	0	0	0	0	0	0	0	0	0	0	0	5.6
Grand Total	66.4	24.2	0	72.1	62	23	22.6	453.4	180.9	61.1	85.2	0	1050.9

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Stand

Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Follow Up Activities After Treatment	Pg. 1
4 12074004 north-Cut	137.3	Sugar Maple Association	6	65	76	Single Tree Selection	Intermediate Cut	Sugar Maple Association	inventory in 10 years	
<u>Rev</u>	Mark to BA 80; do not eliminate any particular species, favor minor species; promote crop trees crown release to encourage seed production for future									
<u>Spec:</u>	regen; do not cut cedar, hemlock, pines or oak if found; remove poorer formed stems, particularly those w/cankers or cracks; scarification by logging can be encouraged in areas with grass; protect advanced regen where present; snags will be left standing unless a hazard									
<u>Rev</u>	Found wet (not currently wet) areas; may consider winter harvest in those areas.									
<u>Cmnt:</u>										

8 12074008-SCA	54.8	Lowland Ash	5	100	0	Other	Other - Specify		None	
<u>Rev</u>	Remove stand from SCA-Pot. Old Growth layer									
<u>Spec:</u>										
<u>Rev</u>	This stand was previously coded as a Special Conservation Area - Potential Old Growth. This stand no longer fits this definition									
<u>Cmnt:</u>										

14 12074014-Cut	22.3	Sugar Maple Association	6	73	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	inventory at next cycle	
<u>Rev</u>	Mark to BA 80; do not eliminate any particular species, favor minor species; promote crop trees crown release to encourage seed production for future									
<u>Spec:</u>	regen; do not cut cedar, hemlock, pines or oak if found; remove poorer formed stems, particularly those w/cankers or cracks; scarification by logging can be encouraged in areas with grass; snags will be left standing unless a hazard									
<u>Rev</u>										
<u>Cmnt:</u>										

21 12074021-Cut	45.3	Sugar Maple Association	9	75	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	re-visit at next inventory cycle	
<u>Rev</u>	Mark to BA 80; do not eliminate any particular species, favor minor species; promote crop trees crown release to encourage seed production for future									
<u>Spec:</u>	regen; do not cut cedar, hemlock, pines or oak if found; remove poorer formed stems, particularly those w/cankers or cracks; scarification by logging can be encouraged in areas with grass; protect advanced regen where present; snags will be left standing unless a hazard; protect small drainage in northwest corner									
<u>Rev</u>	Land to the north has just been cut									
<u>Cmnt:</u>										

29 12074029-Cut	13.6	Sugar Maple Association	6	61	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	re-visit at next inventory cycle	
<u>Rev</u>	Mark to BA 80; do not eliminate any particular species, favor minor species; promote crop trees crown release to encourage seed production for future									
<u>Spec:</u>	regen; do not cut cedar, hemlock, pines or oak if found; remove poorer formed stems, particularly those w/cankers or cracks; scarification by logging can be encouraged in areas with grass; protect desirable advanced regen where present; snags will be left standing unless a hazard; protect drainage running along north/northwest boundary of stand;									
<u>Rev</u>										
<u>Cmnt:</u>										

**Total Treatment
Acreage Proposed: 273.3**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**S
t
a
n
dTreatment
Name

Acres

Stage1
CovTypeSize
Density1st
Age2nd
AgeTreatment
MethodTreatment
PurposeCover Type
ObjectiveFollow Up Activities
After Treatment

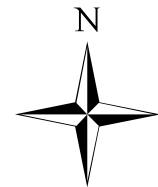
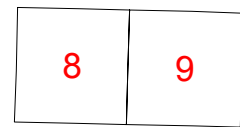
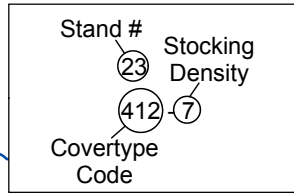
Pg. 1

Limiting Factor
and Comment:Rev
Spec:Rev
Cmnt:

**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 74
 T41N, R30W, Sec. 8, 9
 County: Dickinson
 Unit: Crystal Falls
 YOY: 2008
 Acres: 1,051 GIS Calculated
 Stand Examiner: Deborah Goupell
 Map Revised: 10/6/2006
 Map Phase: Pre-review



Multi-part Stands:
 Stand 16, 9 parts, contained within stand 14

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

Legend

- Miris Corners
- Highways
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Lakes and Rivers
- Stands

Treatments

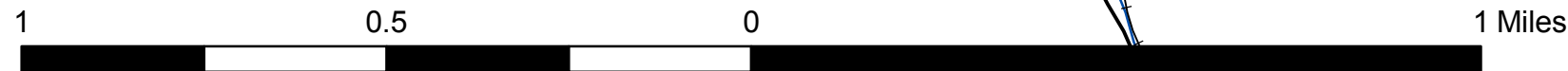
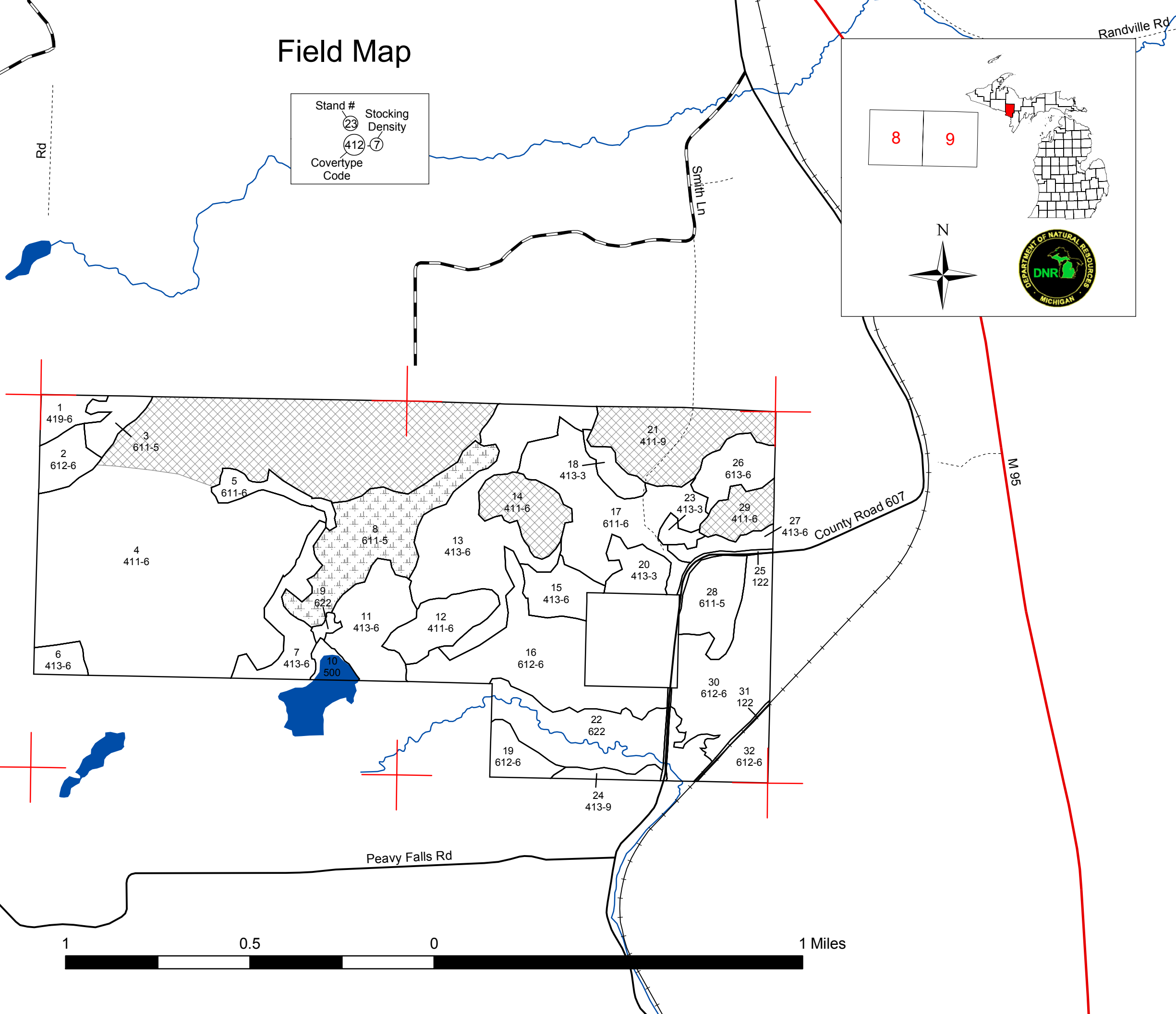
- Single Tree Selection
- Other

Forest Stands

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

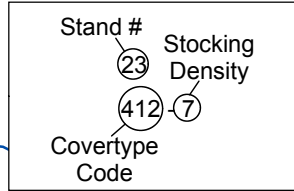
Non-Forest Stands

- 122 - Road/Parking Lot
- 500 - Water
- 622 - Lowland Shrub



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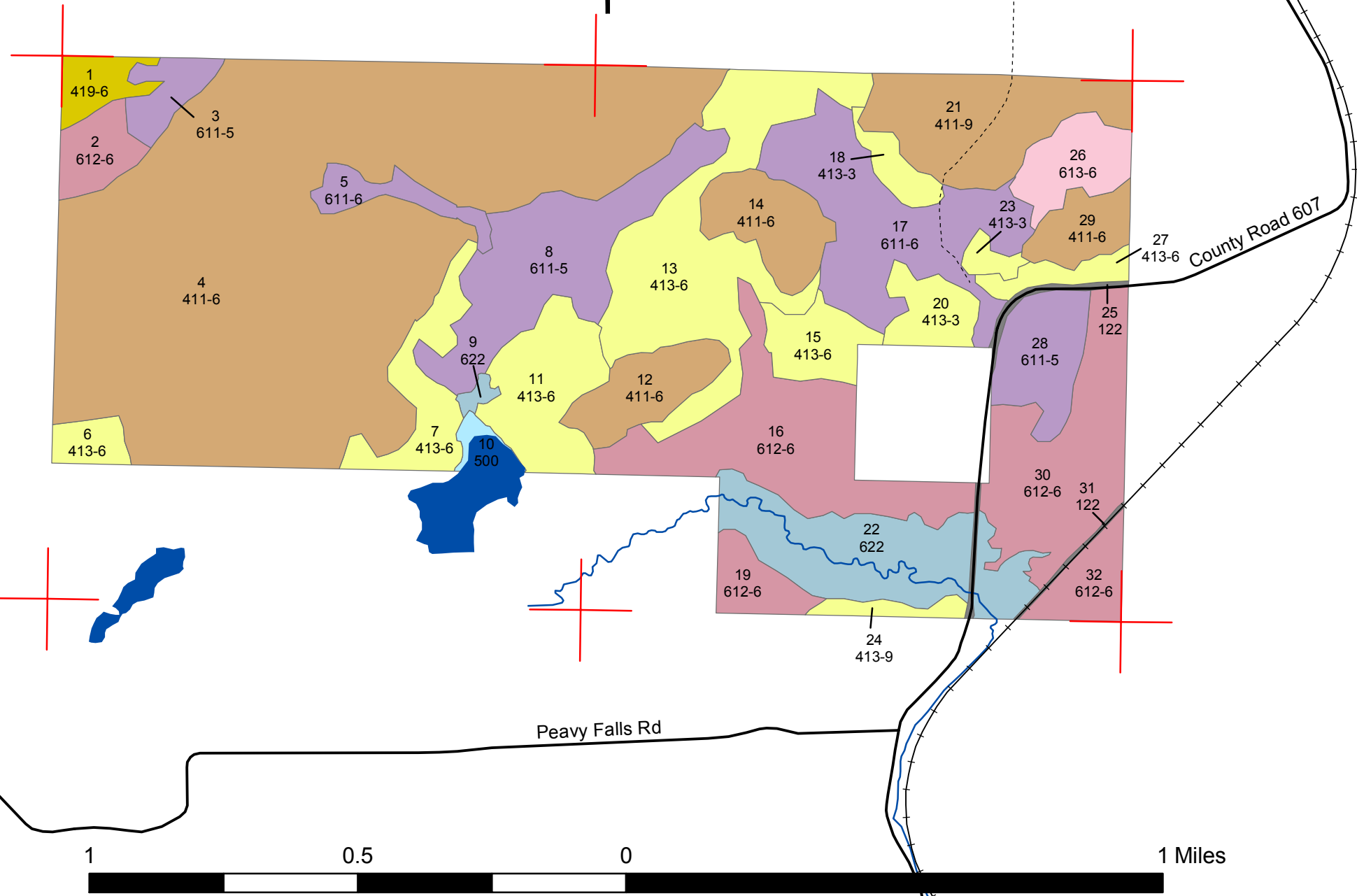
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- Gravel Roads
- Poor Dirt Roads
- Lakes and Rivers

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Treatment

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Stand # Stocking Density
 ②③ ⑦
 ④⑫ ⑦
 Covertypes Code

N
 DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN

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- Lakes and Rivers
- Stands

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