



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT # xxx ENTRY YEAR: 2008**

**Compartment Acreage: 1466      County: Montmorency**

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**Revision Date:** December 19, 2006

**Stand Examiner:** Barber

**Legal Description:** T29N, R02E, Sec. 7, 8, & 9

**RMU (if applicable):**

**Management Goals:** Protect special features, control/restore ORV damage, improve quality and regeneration of oak and northern hardwood stands.

**Soil and Topography:** Soils are mostly Roselawn sandy loam and Grayling loamy sand. These can be rolling to severely steep Rifle peat dominates the forested wetlands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Surrounding land is mostly other state land. Several subdivisions cling to Avery Lake's shoreline.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** None reported, but within influence zone for other occurrences.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** None Reported, but high potential in places. The top of the Sheridan Vally ski slopes are on private land in this compartment. The property is now a private rifle range.

**Special Management Designations or Considerations:** Extensive ORV damage in places. Operations within compartment may require coordination with SHIPO. Natural gas production continues to fragment what had been contiguous stands.

**Watershed and Fisheries Considerations:** An extensive network of cold water streams springing from this compartment feed Avery Lake. Sheridan Creek, a trout stream, grazes the compartments west edge.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of an end moraine of medium-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. A clay & sand pit is located one-half mile to the south. Gravel potential is uncertain. This area has been drilled, is being further developed and is producing gas from the Antrim Shale.

**Vehicle Access:** Generally, it is recommended that most roads within this compartment be closed, due to the problems caused by steep slopes.

**Survey Needs:** Surveying may be required for timber sale preparation.

**Recreational Facilities and Opportunities:** An ORV trail crosses the compartment.

**Fire Protection:** Protection is provided by the Lewiston Area Fire Department and MDNR.

**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**



<b>Stage 1 Acres Summary By Level 3 Cover Type By Age</b>												
<b>Compartment: 54008</b>												
<b>Date: 9/29/2006</b>												

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
<b>Aspen Types</b>	0	41.8	248.3	198.2	27.8	85.6	0	0	11.2	47.8	0	5.3	666
<b>Herbaceous Openland</b>	24.9	0	0	0	0	0	0	0	0	0	0	0	24.9
<b>Low-Density Trees</b>	1.4	0	0	0	0	0	0	0	0	0	0	0	1.4
<b>Lowland Coniferous Forest</b>	0	0	0	0	0	0	0	0	0	0	115.6	0	115.6
<b>Lowland Shrub</b>	5.6	0	0	0	0	0	0	0	0	0	0	0	5.6
<b>Northern Hardwood</b>	0	0	0	0	0	0	0	34.3	131.9	0	0	0	166.2
<b>Oak Types</b>	0	0	0	0	0	0	0	0	59.1	374.5	0	0	433.6
<b>Road/Parking Lot</b>	13.4	0	0	0	0	0	0	0	0	0	0	0	13.4
<b>Sand, Soil</b>	12.8	0	0	0	0	0	0	0	0	0	0	0	12.8
<b>Water</b>	26.1	0	0	0	0	0	0	0	0	0	0	0	26.1
<b>Grand Total</b>	84.2	41.8	248.3	198.2	27.8	85.6	0	34.3	202.2	422.3	115.6	5.3	1465.6

**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	Follow Up Activities After Treatment	Pg. 1
5	005-S T Select	35.3	Red Oak	6	84	0	Single Tree Selection	Regeneration	Red Oak	Regeneration Survey. Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood oak, aspen, red pine or white pine resulting in a medium to fully stocked understory.	
<p><u>Rev</u> Reduce basal area to 80-90. Favor leaving quality oak. Avoid excessively steep slopes, if they occur. Cut no red pine or white pine, even if doing so</p> <p><u>Spec:</u> pushes the BA over 90.</p> <p><u>Rev</u></p> <p><u>Cmnt:</u></p>											
9	009-C C	55.7	Red Oak	6	84	0	Clearcut	Regeneration	Red Oak	Regeneration Survey. Acceptable regeneration would be any combination of oak, aspen, red pine or white pine resulting in a medium to fully stocked stand.	
<p><u>Rev</u> Avoid excessively steep slopes, if they occur. This may require entering the stand from two points, one on Co. Rd. 489, the other near stand 7. Also,</p> <p><u>Spec:</u> slopes which can be harvested may not be operable for repeated skids, especially in the narrow part at the center of the stand. Cut no red pine, white pine, vigorous beech, ash or sugar maple, if they occur.</p> <p><u>Rev</u></p> <p><u>Cmnt:</u></p>											
15	015-S T Select	21.3	S.Maple, Hard Mast Association	6	79	0	Single Tree Selection	Regeneration	S.Maple, Hard Mast Association	Regeneration Survey. Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood or white pine resulting in a medium to fully stocked understory.	
<p><u>Rev</u> Leave 1 chain buffer on vernal ponds. Reduce BA to 70-80. Create three to five regeneration holes per acre. Holes must be one and a half times tree</p> <p><u>Spec:</u> height.</p> <p><u>Rev</u></p> <p><u>Cmnt:</u></p>											
16	016-C C	53.3	Red Oak	6	86	0	Clearcut	Regeneration	Red Oak	Regeneration Survey. Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood oak, aspen, red pine or white pine resulting in a medium to fully stocked understory.	
<p><u>Rev</u> Avoid excessively steep slopes, if they occur. Also, slopes which can be harvested may not be operable for repeated skids. Cut no red pine, or white</p> <p><u>Spec:</u> pine, if they occur.</p> <p><u>Rev</u></p> <p><u>Cmnt:</u></p>											
20	020-S T Selection	72.5	Mixed Northern Hardwoods	6	79	0	Single Tree Selection	Regeneration	Mixed Northern Hardwoods	Regeneration Survey. Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood or white pine resulting in a medium to fully stocked understory.	
<p><u>Rev</u> Leave 1 chain buffer on vernal ponds. Do not mark steep slopes. Reduce BA to 70-80. Create three to five regeneration holes per acre. Holes must</p> <p><u>Spec:</u> be one and a half times tree height.</p> <p><u>Rev</u></p> <p><u>Cmnt:</u></p>											

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**

S  
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	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Follow Up Activities After Treatment	Pg. 2
21	021-S T Select	41.7	Aspen, Oak	9	81	0	Single Tree Selection	Regeneration	Oak, Aspen	Regeneration Survey. Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood oak, aspen, red pine or white pine resulting in a medium to fully stocked understory.	

Rev Reduce basal area to 80-90. Favor leaving quality oak. Avoid excessively steep slopes, if they occur. Cut no red pine or white pine, even if doing so  
Spec: pushes the BA over 90.

Rev  
Cmnt:

27	027-C C	28.3	Red Oak	9	81	0	Clearcut	Regeneration	Oak, Aspen	Regeneration Survey. Acceptable regeneration would be any combination of oak, aspen, sugar maple, red pine or white pine resulting in a medium to fully stocked stand.	
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Rev Avoid excessively steep slopes, if present. Also, slopes which can be harvested may not be operable for repeated skids. Cut no red pine, or white pine,  
Spec: if they occur.

Rev  
Cmnt:

**Total Treatment  
Acreage Proposed: 308.0**

**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

Follow Up Activities  
After Treatment

Limiting Factor  
and Comment:

Rev  
Spec:

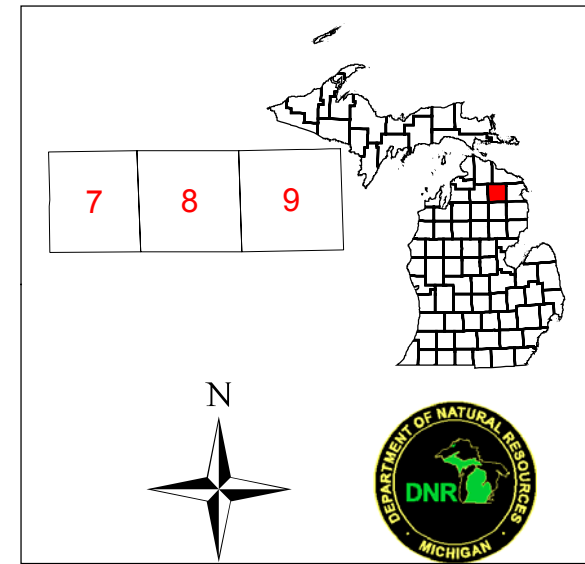
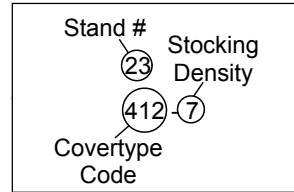
Rev  
Cmnt:

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**Total Treatment  
Acreage Proposed: 0**

# Field Map

Compartment 8  
 T29N, R02E, Sec. 7, 8, 9  
 County: Montmorency  
 Unit: Atlanta  
 YOY: 2008  
 Acres: 1,466 GIS Calculated  
 Stand Examiner: Richard Barber  
 Map Revised: 11/20/2006  
 Map Phase: Pre-review



**Legend**

- Paved Roads
- Gravel Roads
- - - Poor Dirt Roads
- · - · Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stands
- Clearcut
- ▨ Single Tree Selection

**Forest Stands**

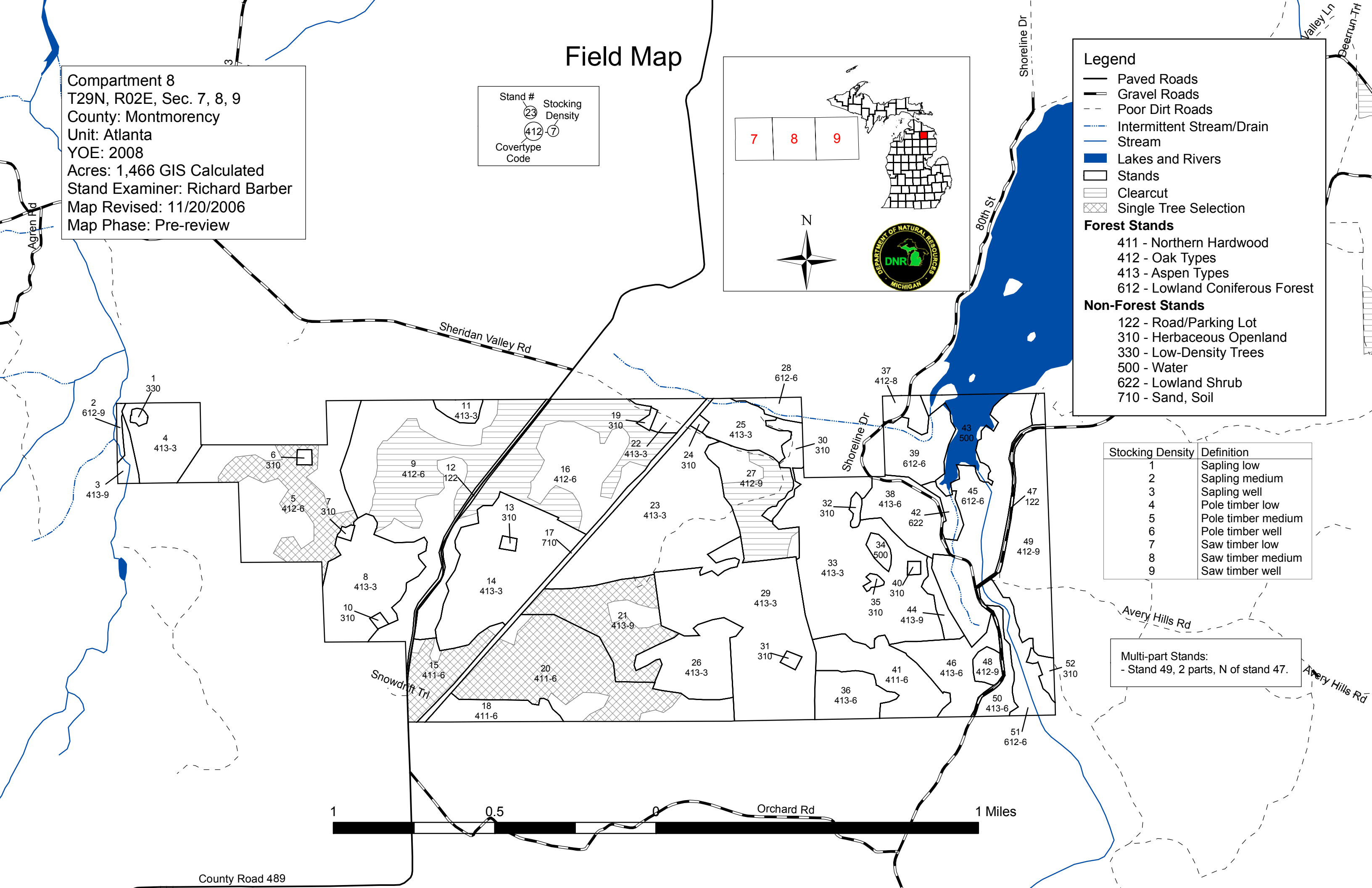
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand, Soil

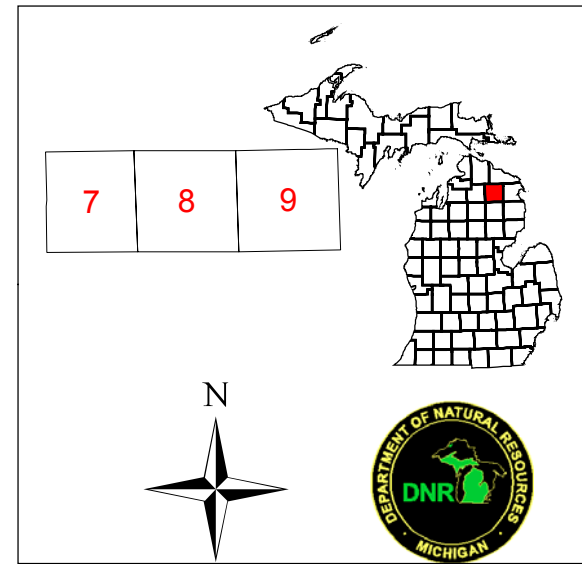
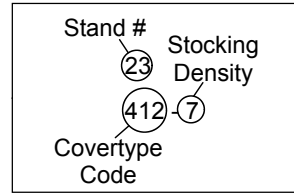
Stocking Density	Definition
1	Sapling low
2	Sapling medium
3	Sapling well
4	Pole timber low
5	Pole timber medium
6	Pole timber well
7	Saw timber low
8	Saw timber medium
9	Saw timber well

**Multi-part Stands:**  
 - Stand 49, 2 parts, N of stand 47.



# Cover Type

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### Legend

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- Gravel Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Railroads

### Forest Stands

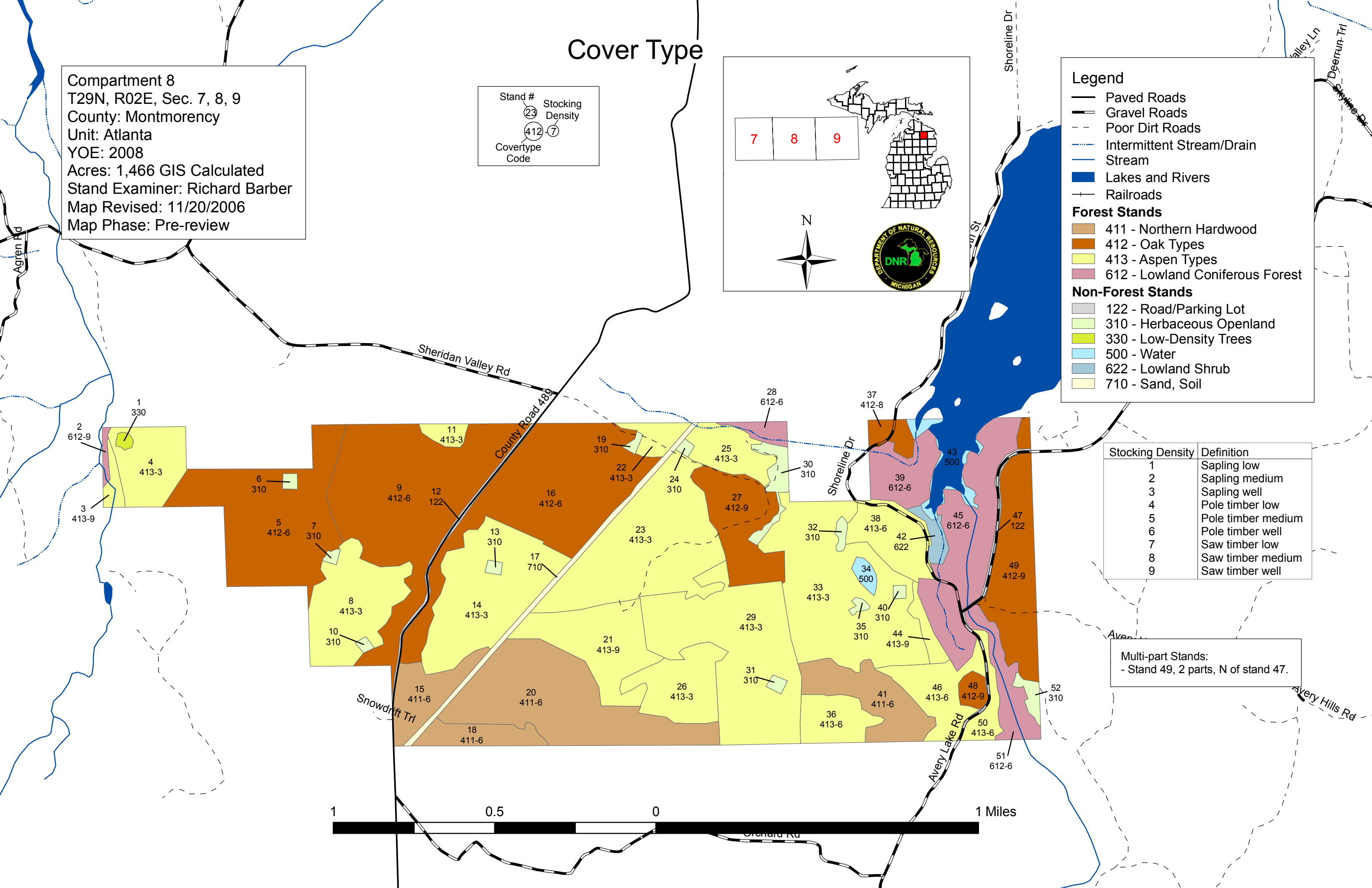
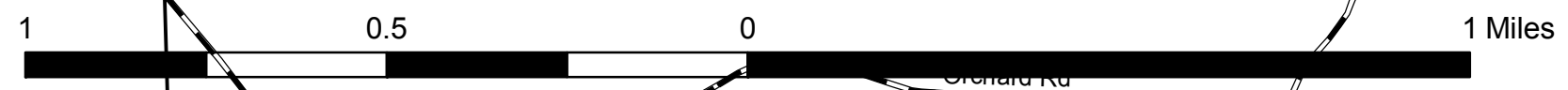
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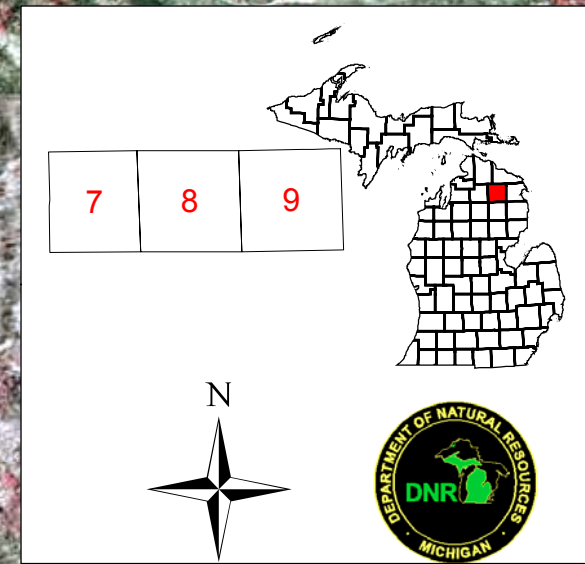
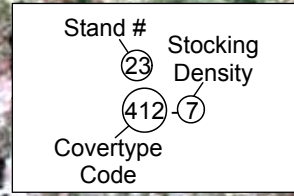
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# Treatment

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County Road 489