



**FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 80 ENTRY YEAR: 2008

Compartment Acreage: 1289 County: Gladwin

DRAFT

Revision Date: October 31, 2006

Stand Examiner: Amy D. Jahnke

Legal Description: T17N – R2E Sections 2, 3, & 4.

RMU (if applicable):

Management Goals:

Continue to manage the aspen and swamp hardwoods to maintain suitable habitat for deer and grouse by providing a variety of age classes. Also continue to maintain beaver habitat in existing locations, and improve dead standing den tree availability and coarse woody debris for the variety of wildlife found in this compartment. Regeneration failure is a concern in this area, so winter harvest of aspen stands will occur and interplanting of oak stands may be necessary to achieve full stocking. Continue red pine management on existing sites for diameter growth.

Soil and Topography:

The terrain in this compartment is flat with very few changes in elevation. The soil types range from Carbondale muck in the east to a mixture of Crowell-Au Gres-Kinross associations and Roscommon soils in the west of the compartment. These soils are sandy, low-lying, and poorly-drained, with some areas that are moderately well-drained. There is a high proportion of low, wet ground in this compartment and care must be taken to prevent rutting during harvest.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Sections 3 and 4 are solid state ownership. The compartment is primarily surrounded by State ownership, except in the east (Sections 2 and 3) where there are private parcels containing farmland, homes, and some forest land. The private forest land is used mainly for hunting. Limited trash dumping also exists within the compartment.

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

There are no known occurrences recorded in MNFI database and none located during inventory.

Archeological, Historical, and Cultural Features: None known and none located during inventory.

Special Management Designations or Considerations: None known.

Watershed and Fisheries Considerations: None noted.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of lacustrine (lake) sand and gravel and an end moraine of fine-textured till. The glacial drift thickness varies between 100 and 200 feet. Beneath the Glacial Drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. This area is predominantly sand, and gravel potential in the compartment is considered limited. This area has had little oil and gas activity. Bentley Field is located two miles to the southwest. The field, discovered in 1937, has produced over 3 MBO from the Devonian Richfield Formation. There are no current State oil and gas leases in the compartment.

Vehicle Access:

There is relatively good access to the compartment via Katzer, Eastman, School Roads and the Guernsey Creek Truck Trail. Access into the compartment is more limited. Several two-tracks can be found in the south, however, most don't penetrate that far into the compartment or are bermed off to prevent traffic in low, wet areas. Access to the northern part of the compartment is limited due to wet terrain, but can be achieved via an old railroad grade through Compartment 74.

Survey Needs:

Southern section corners (adjacent private property) in Sections 2 and 3, as well as corners in W1/2 NW1/4 Section 2 need to be established.

Recreational Facilities and Opportunities:

No official facilities. Hunting pressure of deer, grouse and waterfowl is heavy.

Fire Protection:

Heavy hunting and camps in this area, potential for high fire danger, some access roads, and some roads are bermed off but people are getting around them. Section 2 and 3 are wet, section 4 is mostly dry. Some illegal ORV activity in this compartment.

Additional Compartment Information:



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 73080

Date: 11/8/2006

	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	0	51.9	70.6	62.2	7.8	10.8	0	0	0	0	38.8	242.1
Emergent Wetland	39.2	0	0	0	0	0	0	0	0	0	0	0	39.2
Floating Aquatic	8.5	0	0	0	0	0	0	0	0	0	0	0	8.5
Herbaceous Openland	57.4	0	0	0	0	0	0	0	0	0	0	0	57.4
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	6.3	0	14.2	20.5
Lowland Deciduous Forest	0	0	14.2	0	146	50.9	47	66.5	38.6	0	0	15.7	378.9
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	30.9	30.9
Lowland Shrub	261.7	0	0	0	0	0	0	0	0	0	0	0	261.7
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	30	30
Mixed non-forested wetland	22.2	0	0	0	0	0	0	0	0	0	0	0	22.2
Natural Pines	0	0	0	0	0	28.9	0	0	0	0	0	0	28.9
Oak Types	0	0	0	0	0	0	0	0	0	3.3	0	57	60.3
Planted Pines	0	0	0	0	9.9	24	58.2	0	0	0	0	0	92.1
Water	16.5	0	0	0	0	0	0	0	0	0	0	0	16.5
Grand Total	405.5	0	66.1	70.6	218.1	111.6	116	66.5	38.6	9.6	0	186.6	1289.2

**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
3 73080003-Cut	3.3	Oak, Aspen	9	80	0	Clearcut with Reserves	Regeneration	Mixed Oak	

Rev Stand was set-up for harvest with adjacent compartment in Eastman Mix Sale, #73-013-05-01, Unit 5.
Cmnt:

Rev Final harvest of oak, retaining all red pine, white pine, and 10 BA/ac of mixed oak, as approved at 2003 compartment review.
Spec

Next
Steps:

11 73080011-Cut	10.2	Planted Red Pine	9	55	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
------------------------	------	------------------	---	----	---	---------------------	------------------	------------------	--

Rev Rows are hard to follow and need to be re-created during timber sale prep.
Cmnt:

Rev Remove all hardwoods and jack pine. Reduce red pine BA to about 120.
Spec

Next
Steps:

14 73080014-Cut	42.9	Planted Red Pine	9	56	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
------------------------	------	------------------	---	----	---	---------------------	------------------	------------------	--

Rev Rows are hard to follow and need to be re-created during timber sale prep.
Cmnt:

Rev Remove all hardwoods and jack pine. Reduce BA of red pine to about 120.
Spec

Next
Steps:

16 73080016-Cut	38.8	Aspen, Mixed Deciduous	6	42	0	Clearcut	Regeneration	Aspen, Mixed Deciduous	
------------------------	------	------------------------	---	----	---	----------	--------------	------------------------	--

Rev Stand is a mix of aspen and oak. Some decadent aspen scattered throughout, however the rest is only about 35 years old. There are some low pockets that should be painted out of the sale. Access will be a challenge. Could access from west when pine is cut or from south, but road is seasonally wet in spots.
Cmnt:

Rev Leave 1-2 wolfy oak trees per acre for mast seed production and wildlife habitat. Harvest during dry or frozen ground conditions to ensure good reproduction and prevent rutting of sale area and access roads.
Spec

Next
Steps:

20 73080020-Cut	5.1	Planted Red Pine	9	52	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
------------------------	-----	------------------	---	----	---	---------------------	------------------	------------------	--

Rev Rows are hard to follow and need to be re-created during timber sale prep.
Cmnt:

Rev Remove all hardwoods and reduce red pine BA to 120.
Spec

Next
Steps:

25 73080025-Cut	9.9	Planted Red Pine	6	37	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
------------------------	-----	------------------	---	----	---	---------------------	------------------	------------------	--

Rev
Cmnt:

Rev Thin red pine to reduce BA to about 90 by removing every third row.
Spec

Next
Steps:

**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. 2
29 73080029-Cut	24.0	Planted Red Pine	6	41	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	

Rev
Cmnt:

Rev Thin red pine to reduce BA to about 90 by removing every third row.

Spec

Next

Steps:

74 73080074-Cut	7.8	Aspen, Oak	9	43	0	Clearcut	Regeneration	Aspen	
-----------------	-----	------------	---	----	---	----------	--------------	-------	--

Rev Stand contains a mixture of species aside from the aspen, and should be harvested now to maintain this diversity and regenerate the aspen.

Cmnt:

Rev Leave all cedar and hemlock, and paint drain out of sale to prevent rutting. Harvest during dry or frozen ground conditions would be best to prevent rutting of sale area.

Spec

Next

Steps:

**Total Treatment
Acreage Proposed: 141.9**

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

Acres

Stage1
CovTypeSize
Density1st
Age2nd
AgeTreatment
MethodTreatment
PurposeCover Type
Objective

Pg. 1

Limiting Factor
and Comment:

Rev
Cmnt:

Rev
Spec:

Next
Steps:

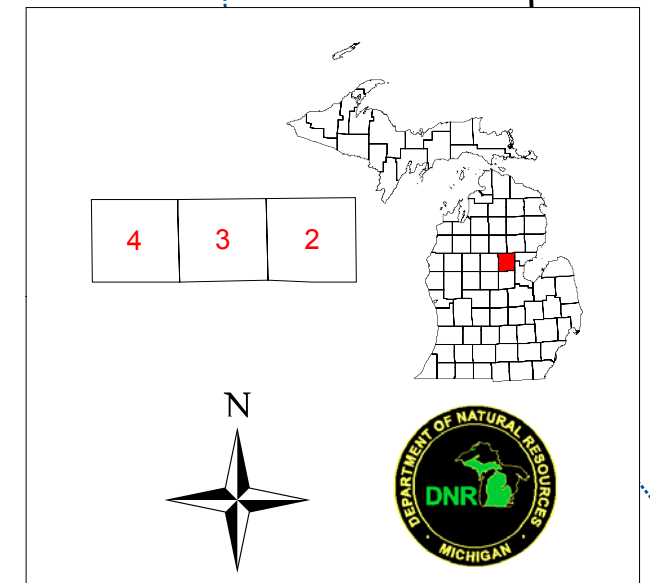
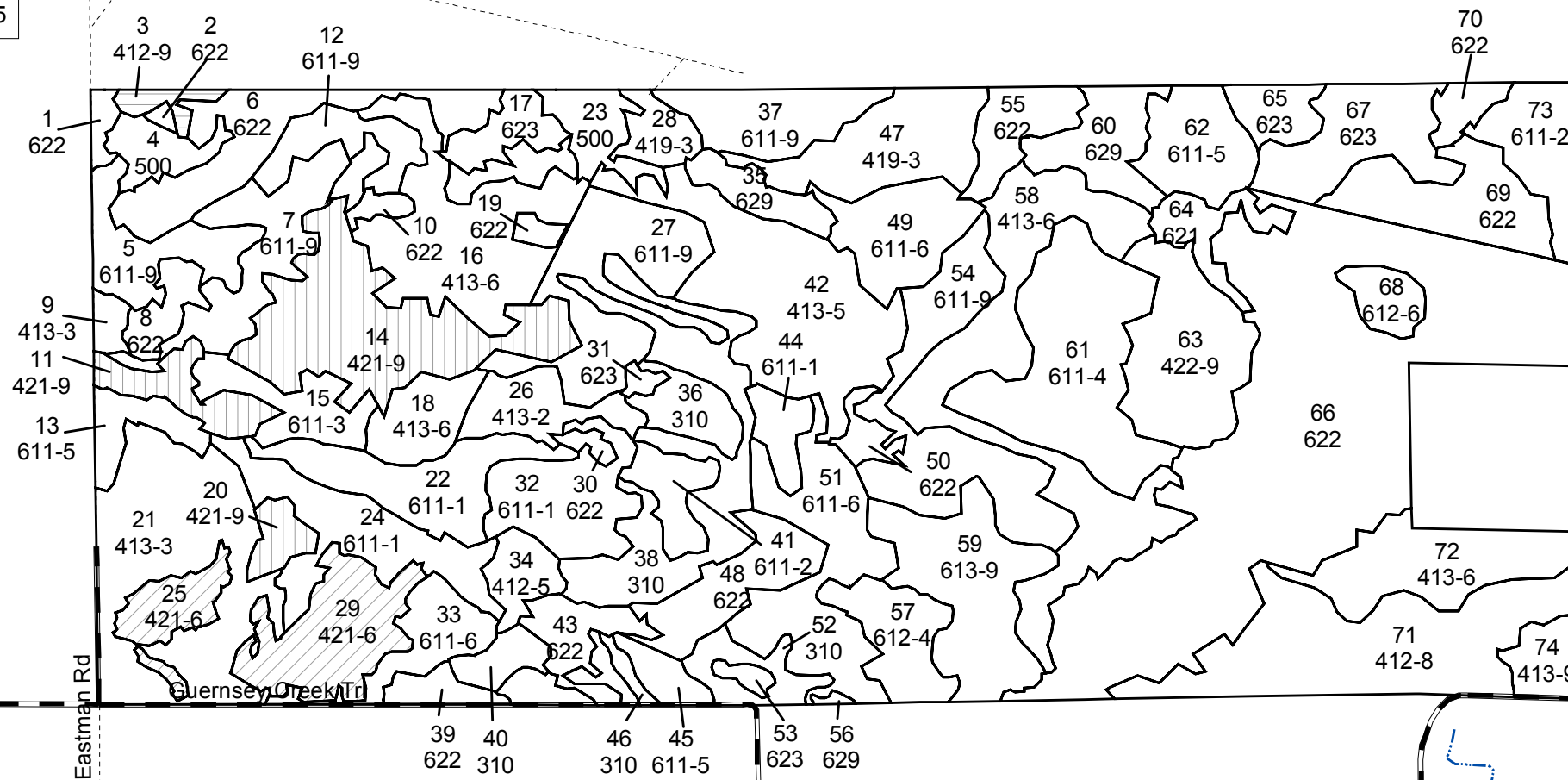
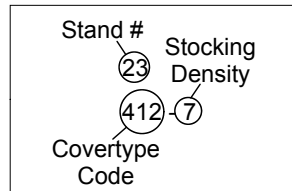
**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 80
 T17N, R2E, Sec. 2, 3, 4
 County: Gladwin
 Unit: Gladwin
 YOE: 2008
 Acres: 1,289 GIS Calculated
 Stand Examiner: Amy Jahnke
 Map Revised: 10/25/2006
 Map Phase: Pre-review

Multi-part Stands:
 Stand 12, 2 parts, split by stand 16
 Stand 16, 2 parts, split by stand 10 and 12
 Stand 25, 2 parts, contained within stand 21
 Stand 45, 3 parts, 2 parts west of labeled 45

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



80th St Schaad Rd

Legend

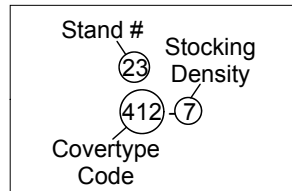
- Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Stands
 - ▨ Clearcut with Reserves
 - ▧ Systematic Thinning
 - ▩ Shelter Wood with Reserves
- Forest Stands**
- 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- 310 - Herbaceous Openland
 - 500 - Water
 - 621 - Floating Aquatic
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland



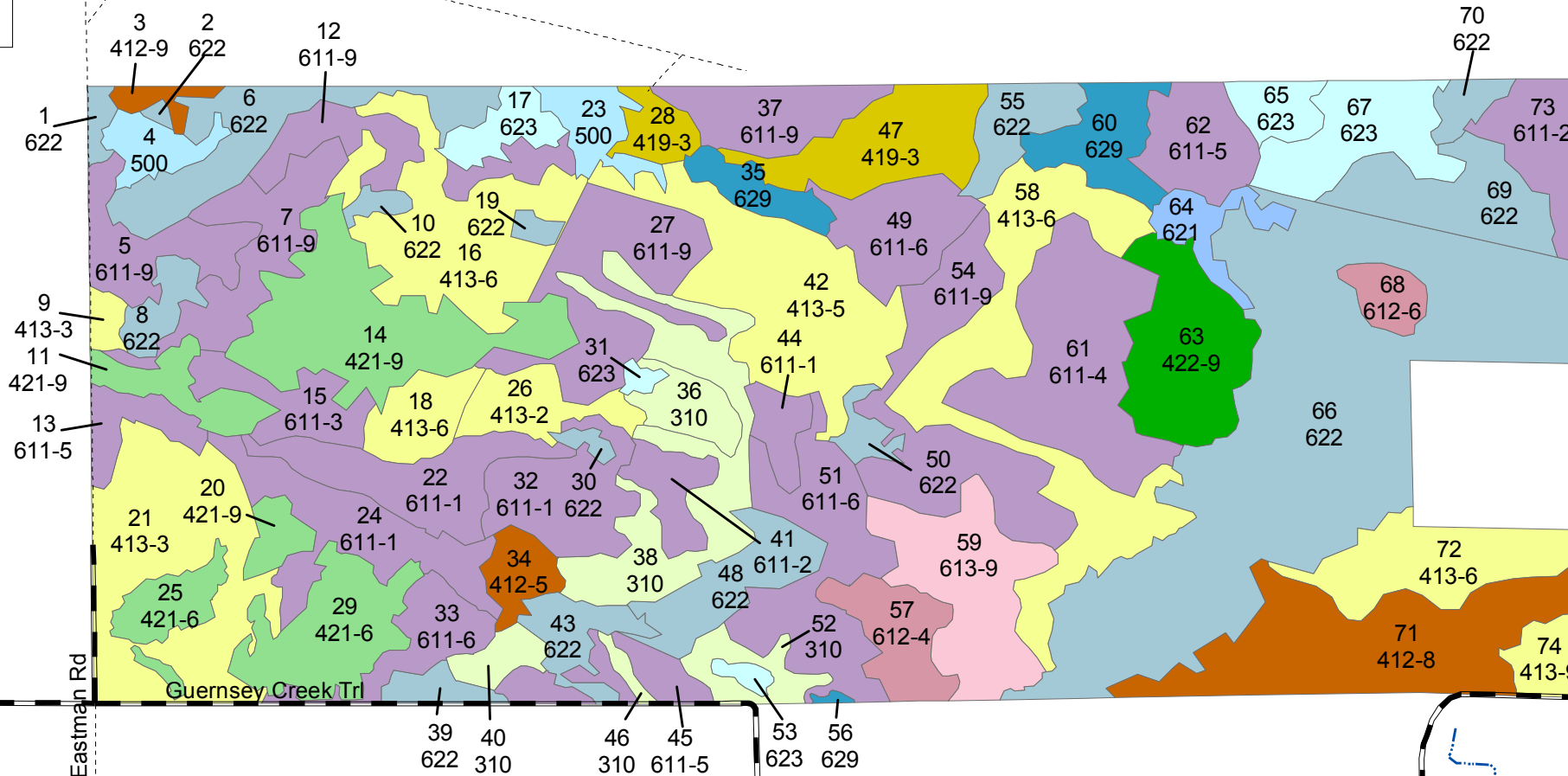
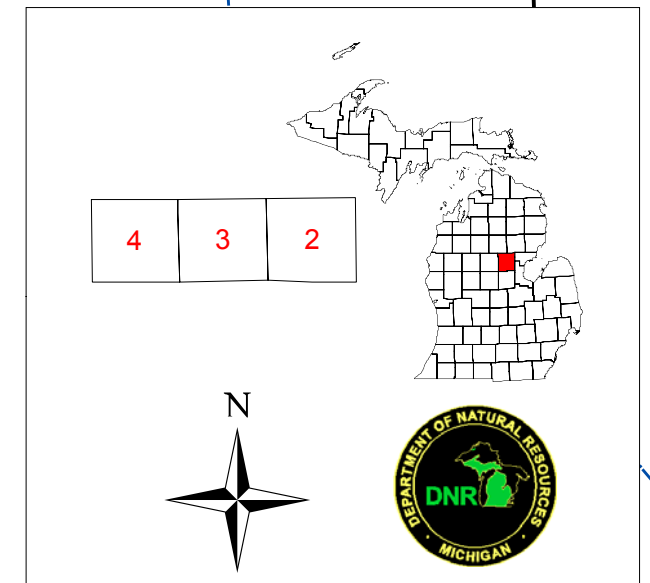
Compartment 80
 T17N, R2E, Sec. 2, 3, 4
 County: Gladwin
 Unit: Gladwin
 YOE: 2008
 Acres: 1,289 GIS Calculated
 Stand Examiner: Amy Jahnke
 Map Revised: 10/25/2006
 Map Phase: Pre-review

Multi-part Stands:
 Stand 12, 2 parts, split by stand 16
 Stand 16, 2 parts, split by stand 10 and 12
 Stand 25, 2 parts, contained within stand 21
 Stand 45, 3 parts, 2 parts west of labeled 45

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



Legend

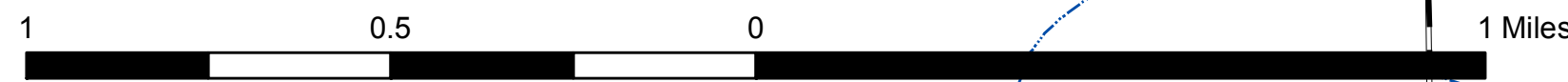
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Lakes and Rivers
- Intermittent Stream/Drain
- Stream

Forest Stands

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

- 310 - Herbaceous Openland
- 500 - Water
- 621 - Floating Aquatic
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



Eastman Rd

Whitefeather Rd

Katzer Rd

Schoel Rd

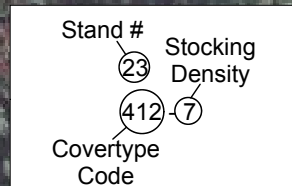
Klender Rd

Guernsey Creek Trl

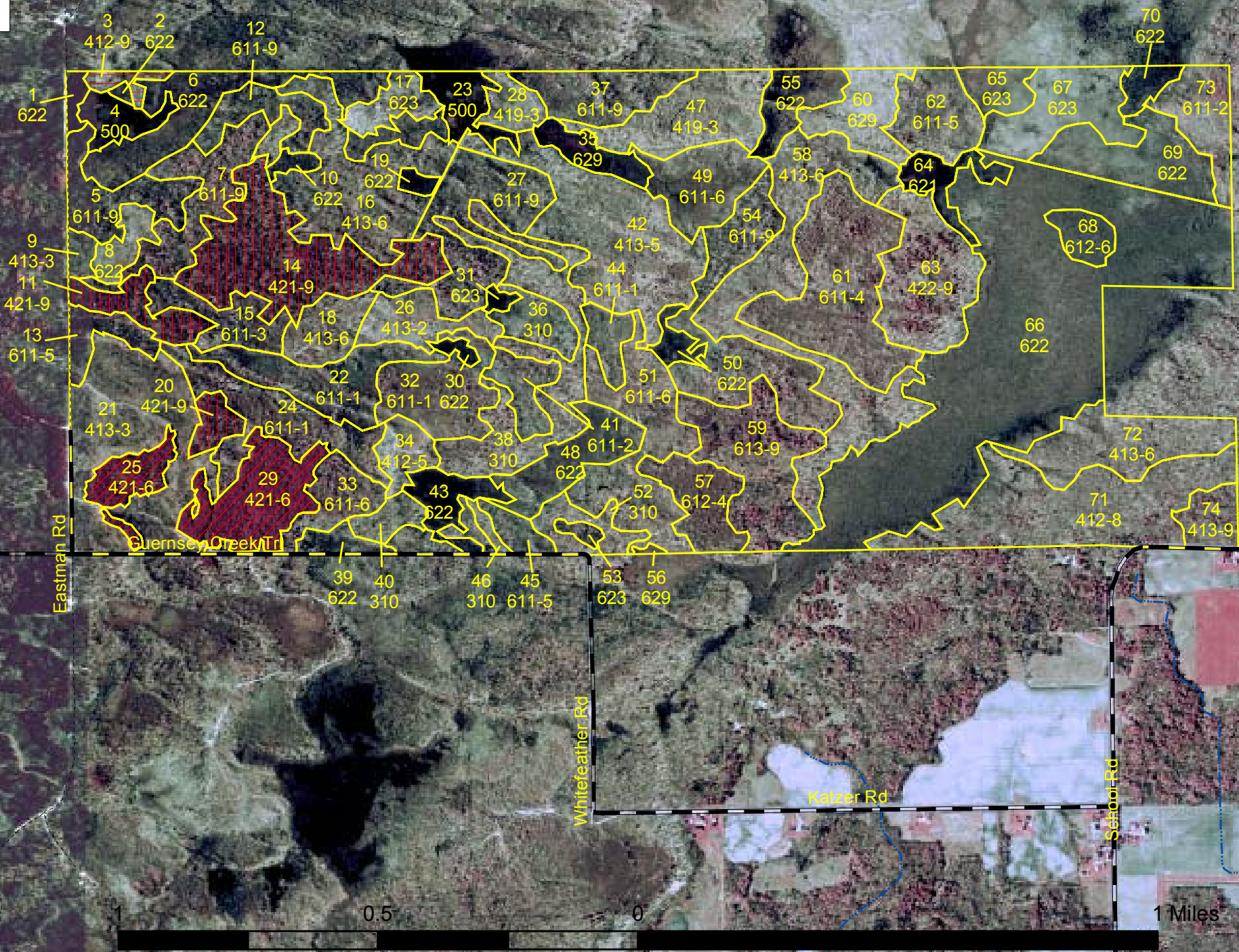
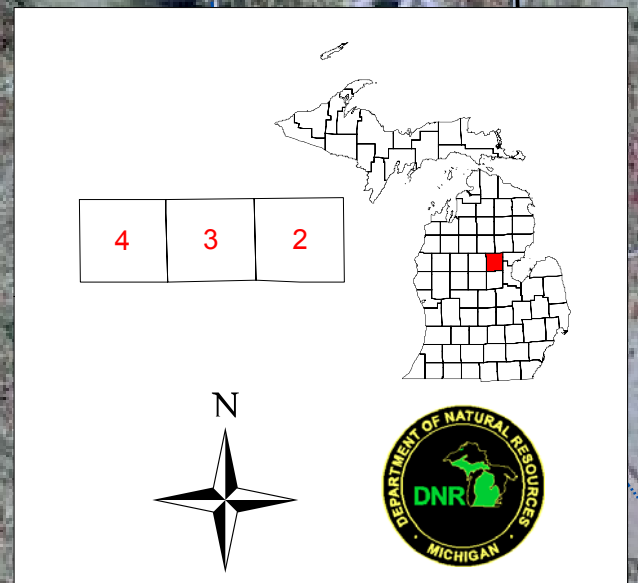
Compartment 80
 T17N, R2E, Sec. 2, 3, 4
 County: Gladwin
 Unit: Gladwin
 YOE: 2008
 Acres: 1,289 GIS Calculated
 Stand Examiner: Amy Jahnke
 Map Revised: 10/25/2006
 Map Phase: Pre-review

Multi-part Stands:
 Stand 12, 2 parts, split by stand 16
 Stand 16, 2 parts, split by stand 10 and 12
 Stand 25, 2 parts, contained within stand 21
 Stand 45, 3 parts, 2 parts west of labeled 45

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



Treatment



Legend

- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Stands
- Clearcut with Reserves
- Systematic Thinning
- Shelter Wood with Reserves

Forest Stands

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

- 310 - Herbaceous Openland
- 500 - Water
- 621 - Floating Aquatic
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland