



**FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 146 ENTRY YEAR: 2011**

**Compartment Acreage: 1110 County: Iosco**

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**Revision Date:** Feb 2009, Oct. 2009

**Stand Examiner:** Steven Nyhoff

**Legal Description:** T21N R6E Sec. 25, 26, 34, 35, and 36

**RMU (if applicable):** None

**Management Goals:**

Much of this compartment (90%) is low & wet, with swamp hardwoods being the major cover type. The soils are mucky and the trees have shallow roots. The soil is rich and supports large timber. Some of the stands have site indexes of 80 plus. Many of these trees have large diameters and clear boles. The major species found are red maple and green ash. Because of the sensitive soils and shallow rooting, any harvesting of timber needs to be done with extreme care. It would have to be done in very dry or very frozen conditions. The stands would have to be harvested as selection, group selections, or 16" to 18" diameter limit cuts. The residual BA will need to be kept higher than 80 sq.ft. to avoid wind throw.

The compartment had some harvest done last YOY and the clearcuts have regenerated fairly well. The regeneration has been of swamp popular species like cottonwood, quaking aspen, and balsam popular with some ash and red maple mixed in.

**Soil and Topography:**

Most of the compartment is low and wet. There is a moderately dry ridge at the north edge of the compartment. The major soil types are Tawas- Lupton mucks. These soils have a seasonally high water table that goes from one to two feet above the ground to one foot below ground level from October to May.

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

The state land is in one block of ownership except the SE SE section 25. This 40 is surrounded by private land on three sides and state land to the east.

The private land in the area is primarily used for hunting though there are some farms along Alabaster Rd. as well as primary residences.

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

No, known records and none were located during the inventory process.

**Archeological, Historical, and Cultural Features**

No known records and none were located during the inventory process.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

The East Branch of the Au Gres River and several man-made drainages run through the compartment mainly in the east end. These drain into Whitney Drain, which drains directly into Saginaw Bay.

**Wildlife Habitat Considerations:**

Wildlife Division supports any degree of treatment within the large E types. Proposed sales from the last YOE were not completed. Even small experimental winter cuts should be attempted (see prescriptions from last entry).

One wildlife gate and opening is present within the above compartment – opening no longer maintained. Gate should be removed and road closed.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 10 and 50 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in this area. Gravel pits are not located in the area, but there may be some potential. This area has not had much oil and gas exploration. There are a couple Prairie du Chien fields in the area. None of the compartment is currently leased for oil and gas development.

US Gypsum has an open pit mine to the east of the compartment.

**Vehicle Access:**

Access is limited to the compartment; most of the roads and two-tracks end at the edges of the compartment and do not penetrate into the interiors. The soil limits expansion of the current trail system.

**Survey Needs:****Recreational Facilities and Opportunities:**

There are no established facilities in the compartment. However, the area is hunted even though the access is limited.

**Fire Protection:**

The fire potential is low because of the low, wet conditions of the compartment. However, if a fire did get started, suppression would be difficult because of poor access and wet soils.

**Additional Compartment Information:**

# Cover Type & Treatment Map

Compartment 145  
 T21N, R06E, Sec. 25, 26, 34-36  
 County: Iosco  
 Unit: Gladwin  
 YOE: 2011  
 Acres: 1,110 GIS Calculated  
 Stand Examiner: Steven Nyhoff  
 Map Revised: 10/28/2009  
 Map Phase: Pre-Review

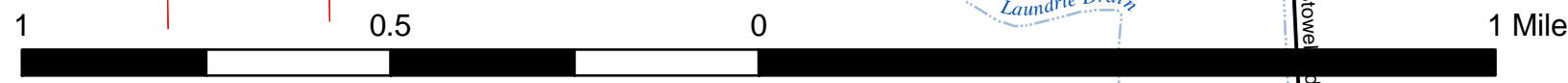
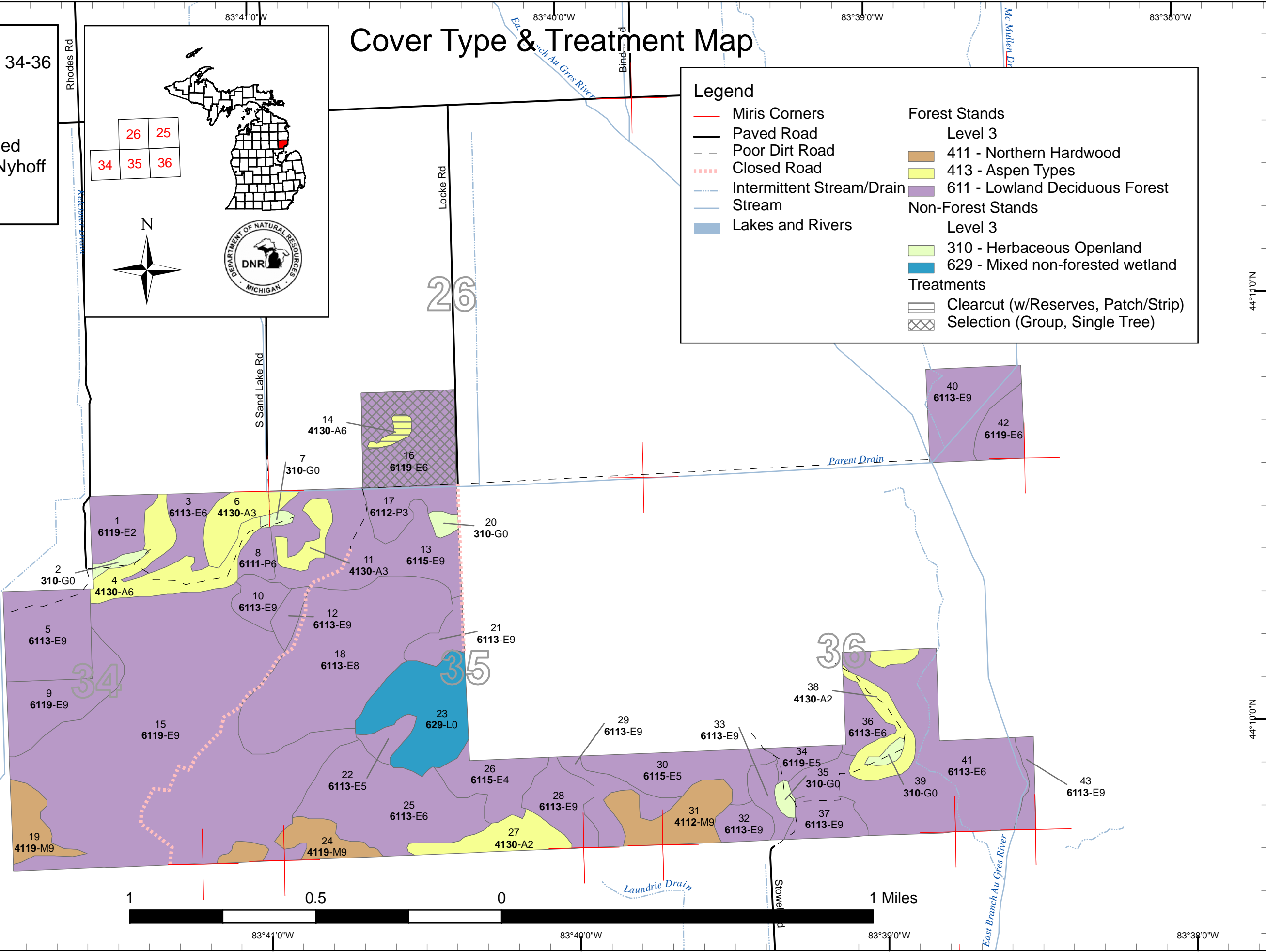
**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

26	25
34	35



## Legend

- Miris Corners
  - Paved Road
  - Poor Dirt Road
  - Closed Road
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
- 
- ### Forest Stands
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 611 - Lowland Deciduous Forest
- ### Non-Forest Stands
- Level 3
- 310 - Herbaceous Openland
  - 629 - Mixed non-forested wetland
- ### Treatments
- Clearcut (w/Reserves, Patch/Strip)
  - Selection (Group, Single Tree)



83°42'0"W 83°41'0"W 83°40'0"W 83°39'0"W 83°38'0"W

44°11'0"N

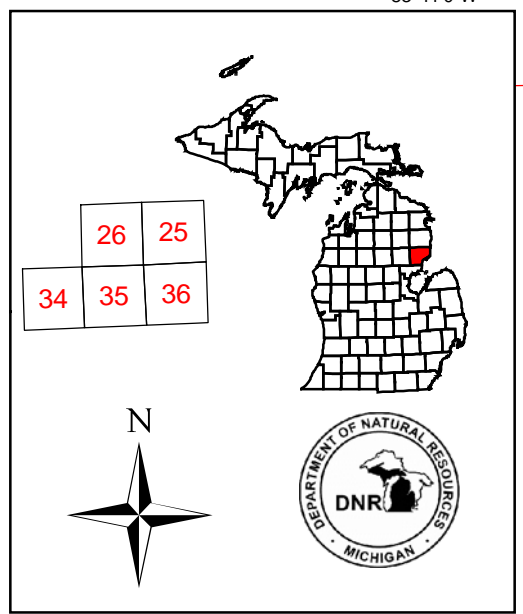
44°10'0"N

44°11'0"N

44°10'0"N



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# Dedicated & Proposed Special Conservation Areas

**Legend**

- Miris Corners
- Cold Water Streams
- Stand Boundaries

**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest

**Non-Forest Stands**

**Level 3**

- 310 - Herbaceous Openland
- 629 - Mixed non-forested wetland

**Stand #**      **Stocking Density**

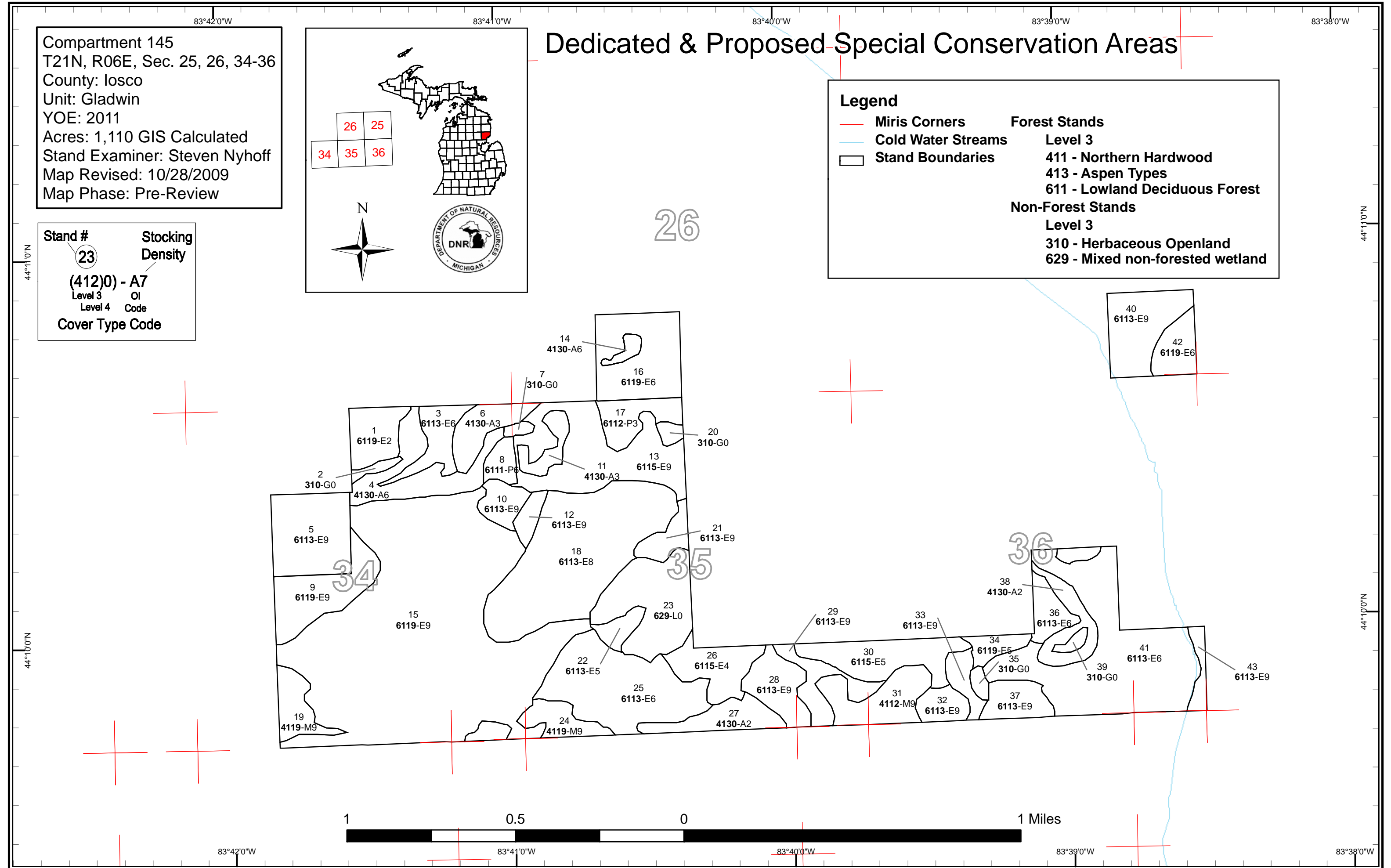
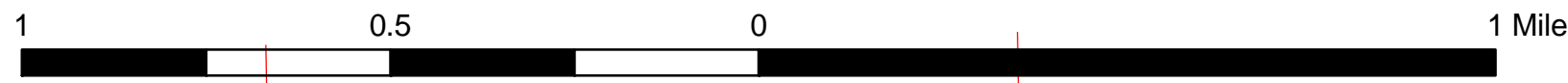
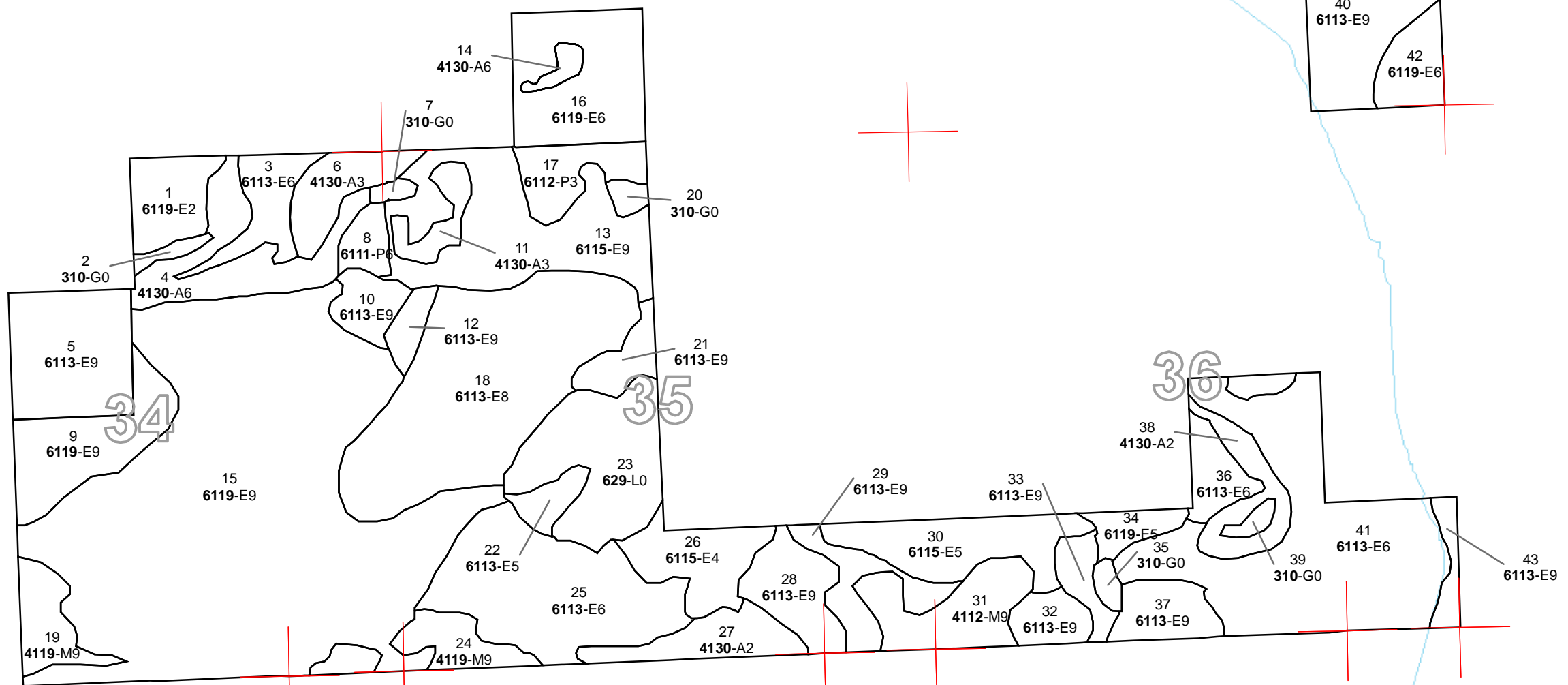
**23**

**(4120) - A7**

Level 3      OI

Level 4      Code

**Cover Type Code**



Gladwin Mgt. Unit

**Covertypes, Acres, and Age summary**  
(Level 3 Cover Type)

Compartment 146 Year of Entry 2011

Report Date: 10/29/2009



	Age Class															Total
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen Types	0	40	0	28	0	0	0	0	3	0	0	0	0	0	16	88
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Deciduous Forest	0	31	0	21	28	0	10	0	40	84	0	0	0	0	704	918
Mixed non-forested wetland	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	52
<b>Total</b>	<b>52</b>	<b>71</b>	<b>0</b>	<b>49</b>	<b>28</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>43</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>772</b>	<b>1110</b>

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



S  
t  
a  
n  
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
14 73146014-Cut	3.0	4130 - Aspen	High Density Pole	70	Harvest	Clearcut	Aspen	

Rev This stand is expected to regenerate.  
Cmnt:

Rev Final harvest stand to 2" DBH. Because of the stands small size and location in a larger selection unit it will be harvested without retention.  
Spec:

Next  
Steps:

16 73146016-Cut	38.0	6119 - Mixed Lowland Deciduous Forest	High Density Pole	74	Harvest	Group Selection	Mixed Lowland Deciduous Forest	
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Rev  
Cmnt: Stand has a mixtrue of upland and lowland so rutting could be a problem when harvest. When the stand is harvested it is expected to regenerate.

Rev Harvest the stand by selection retaining 80-90 BA. Favor the removal of aspen and ash.  
Spec:

Next  
Steps:

**Total Treatment  
Acreage Proposed: 41.0**

S  
t  
a  
n  
d

Gladwin Mgt. Unit  
Inventory Method: IFMAP

**PROPOSED TREATMENTS  
WITH LIMITING FACTORS**

Compartment: 146      Entry Yr: 2011  
Date 10/29/2009



Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
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Limiting Factor  
and Comment:

Rev  
Cmnt:

Rev  
Spec:

Next  
Steps:

No Treatment  
Reason

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**Total Treatment  
Acreage Proposed:      0**



**PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS**

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

Stand	SCA Name	Acres	Comments



### DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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