



# Compartment Review Presentation

## Escanaba Forest Management Unit

Compartment 33063

Entry Year 2017

Acreage: 1,933

County Menominee

Management Area: Green Bay Lake Plain

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**Revision Date:** 2015-07-10

**Stand Examiner:** Dan Beaudou

### Legal Description:

T34N R26W Sections 16, 17, 18, 19, 20, 21, 28, 29, 30, and 31

### Identified Planning Goals:

This 1,933 acre compartment is comprised mainly of lowland conifer types with bogs, marshes mixed in and most of Hanson Lake. There are a few small upland knobs scattered throughout the compartment. Two lowland conifer stands could be treated this decade if access through private property is allowed.

### Soil and topography:

The main soil groups within this compartment are: Lupton-Cathro Association, Loxley-Dawson Association, and Lupton Muck. The majority of the compartment contains poorly drained muck and peat over sand and sandy loam. The terrain is nearly level, with the exception of some depressions.

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

This compartment is isolated from any other state land being surrounded by private land. The state has very little access into this compartment, without going through private property. There are quite a few farms and farmland around the compartment. Historically, there was an ice road through the center of the compartment running east and west to provide a shorter travel corridor. This winter road would also provide access for locals to pick cranberries off the marsh during the summer. The primary use of this compartment now is hunting, with most of that being done by the neighboring landowners. There are some illegal trails into state land from the private property.

### Unique Natural Features:

Hanson Lake Bog, which is a large undisturbed conifer-bog complex with special botanical, geological, and scenic features.

### Archeological, Historical, and Cultural Features:

None known

### Special Management Designations or Considerations:

This compartment contains two Ecological Reference Area's, a bog and a poor fen.

### Watershed and Fisheries Considerations:

### Wildlife Habitat Considerations:

This compartment is a unique feature in a landscape that has been heavily converted to agriculture. The northern portion is mainly stunted cedar and spruce forest. The middle portion is approximately one square mile of treed bog and muskeg containing some abrupt, raised knobs of cedar, hemlock, and birch. Hanson Lake, a shallow bog lake with adjacent marshes, is located in the southern portion of the compartment. Due to its large size and wet, inhospitable conditions, the area receives little human use, although ORV's penetrate the area illegally. Law enforcement action to address this illegal activity is needed here because ORV's can do long-term damage to fragile bog vegetation.

In 1998, local management staff felt the area was sufficiently unique to warrant a nomination for Wild Area or Natural Area status. It was so nominated, but those programs have been inactive in recent years. Most of this compartment continues to be protected with a designation of "special conservation area." This will maintain habitat for those wildlife species that utilize lowland conifer-bog habitats. Two small lowland conifer stands have been prescribed in the southern portion of this compartment. These areas have unknown access through privately owned lands.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till, peat and muck, and minor glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton and Black River formations underlie the glacial drift and are quarried for stone in the UP. There is no history of mineral leasing in this area.

There are a number of gravel pits in the area, but the compartment consists primarily of low-lying wetlands and sand and gravel potential appears to be limited. No economic oil and gas production has been found in the UP.

**Vehicle Access:**

Access only by foot off County Road 346. Limited access else where through private property.

**Survey Needs:**

There would be three survey corners needed if access is obtained.

**Recreational Facilities and Opportunities:**

There are no developed facilities. Primary recreational activity is hunting by adjacent landowners.

**Fire Protection:**

There are no significant fire dangers within this compartment.

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

**The following information is displayed, where pertinent, on the attached compartment maps:**

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Report 1 – Total Acres by Cover Type and Age Class

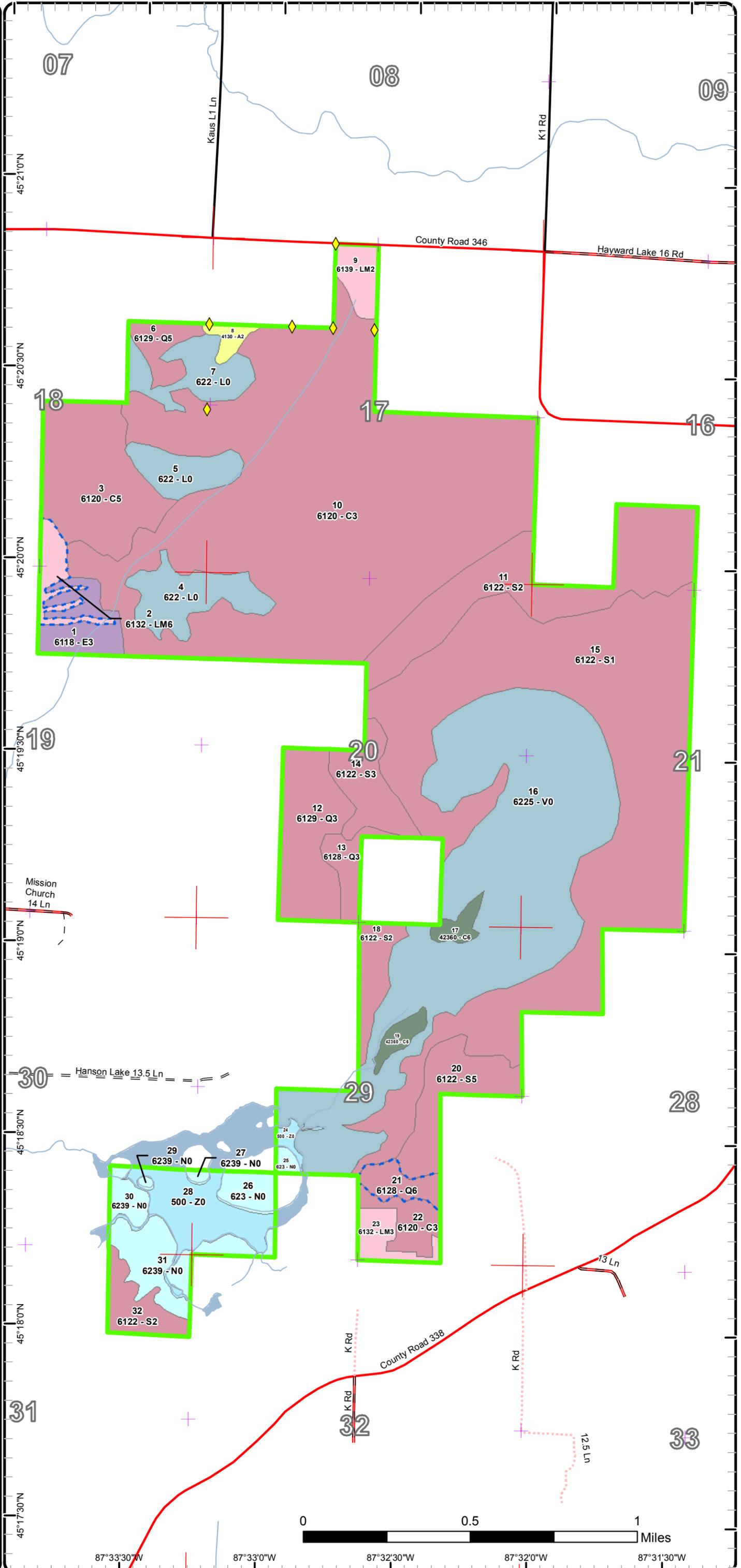
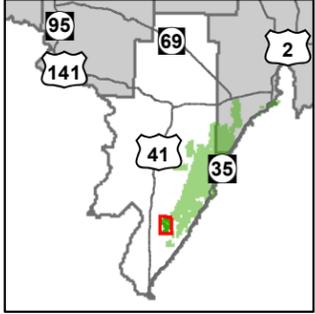


Age Class

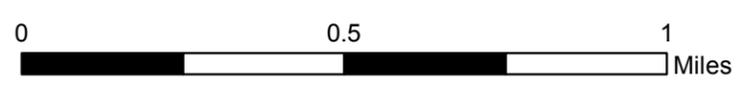
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Cedar	0	0	0	0	0	0	0	0	0	0	0	530	0	0	0	0	0	0	530
Total	0	0	0	0	0	0	0	0	0	0	0	530	0	0	0	0	0	0	530

# Cover Type & Treatments

Compartment: 63  
 T34N R26W 17-21,29-31  
 County: Menominee  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2017  
 Acres: 1933 GIS Calculated  
 Examiner: Dan Beaudou  
 Map Revised: 7/8/2015  
 Map Phase: Pre-Review



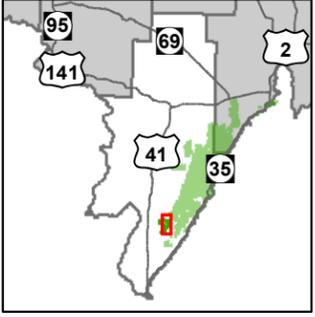
- ✚ Remonumented Section Corner
  - ◆ Survey Grade GPS Corners
  - Miris Corners
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - Closed Roads
  - Rivers
  - Lakes
  - Treatments with Site Conditions
- Forest Covertype**
- 413 - Aspen
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Covertype**
- 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



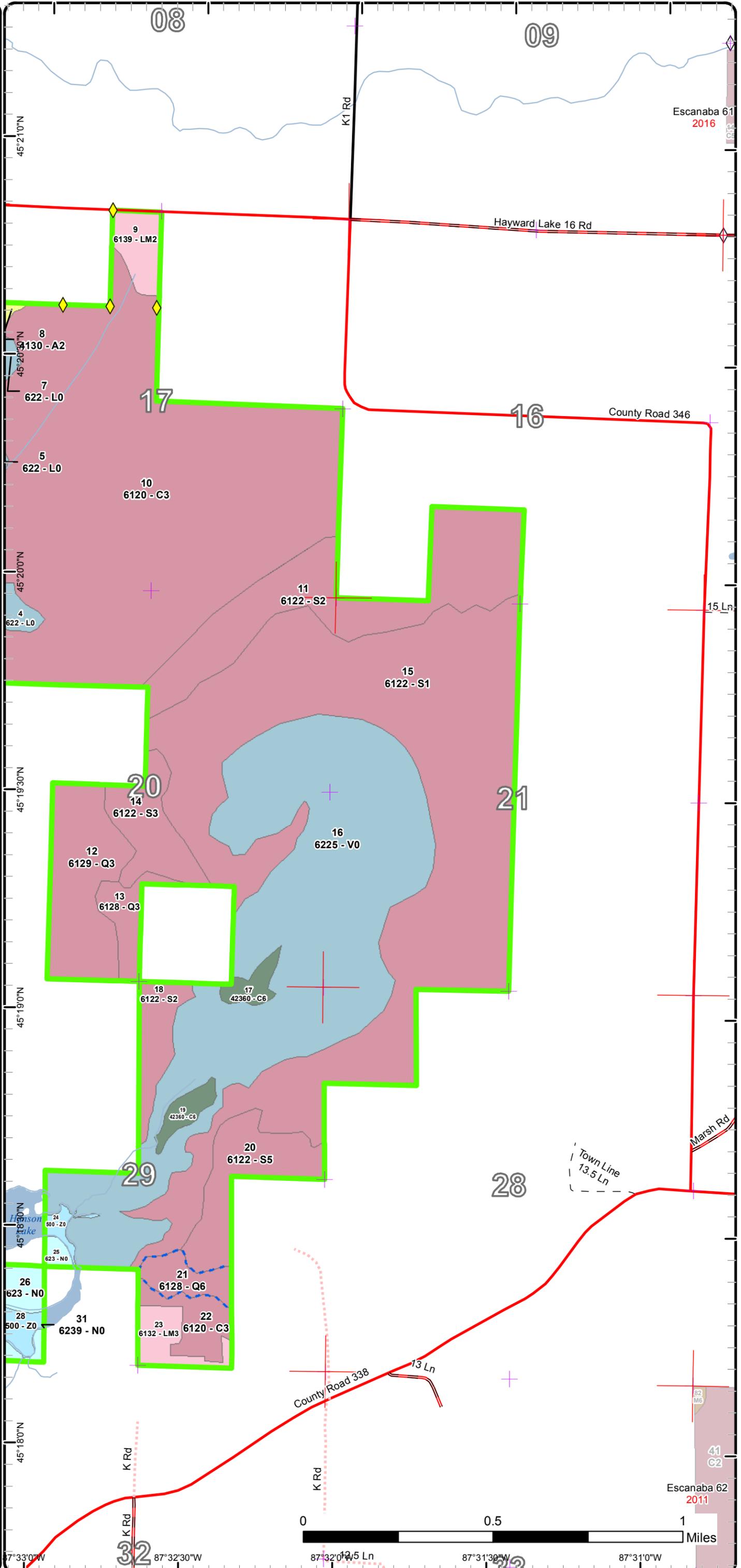
87°33'30"W    87°33'0"W    87°32'30"W    87°32'0"W    87°31'30"W  
 45°21'0"N    45°20'30"N    45°20'0"N    45°19'30"N    45°19'0"N    45°18'30"N    45°18'0"N    45°17'30"N

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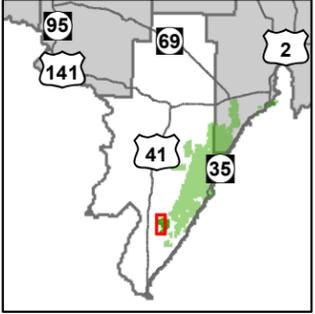


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2016

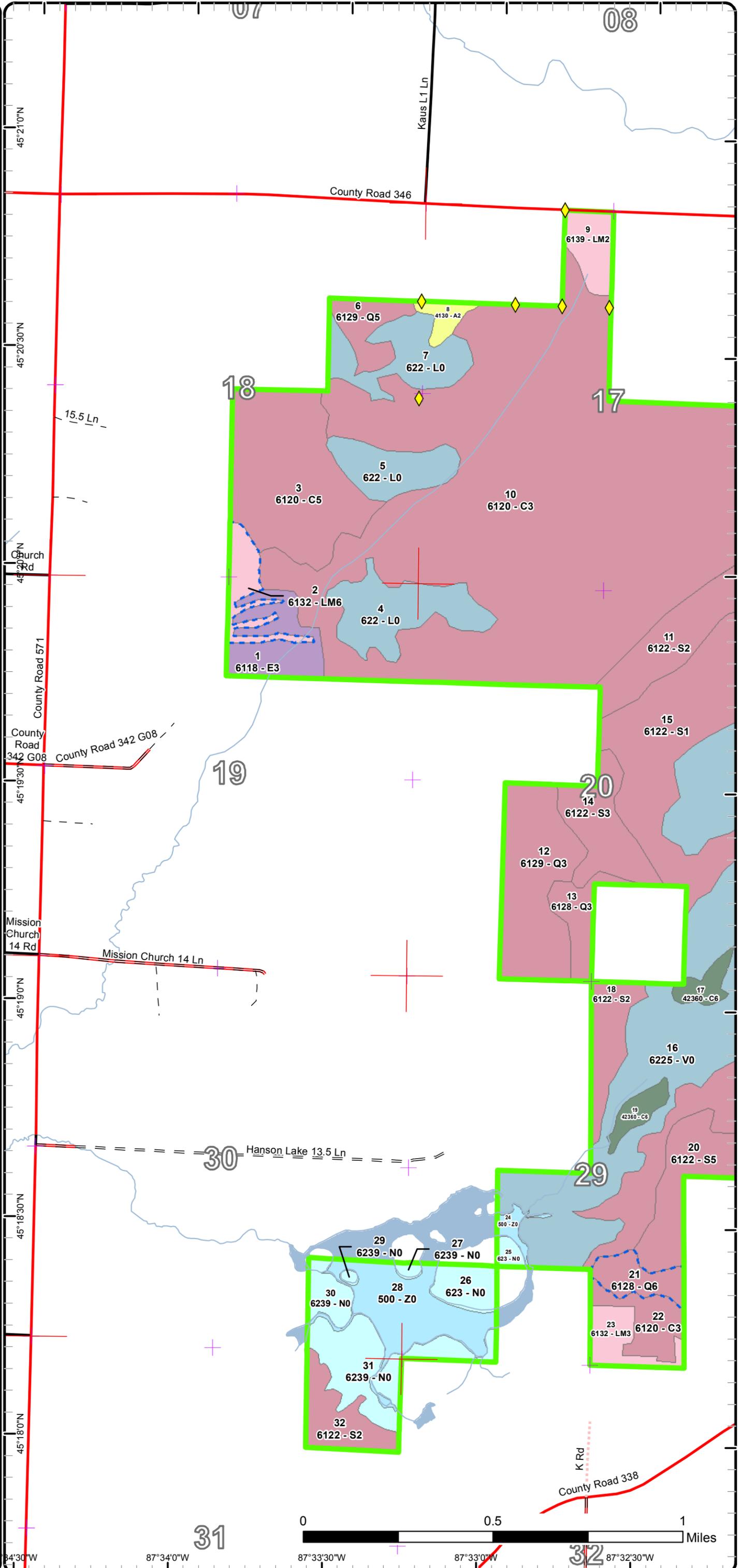
Escanaba 62  
2011

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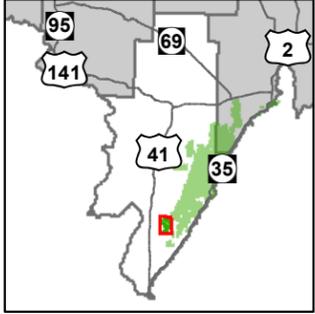


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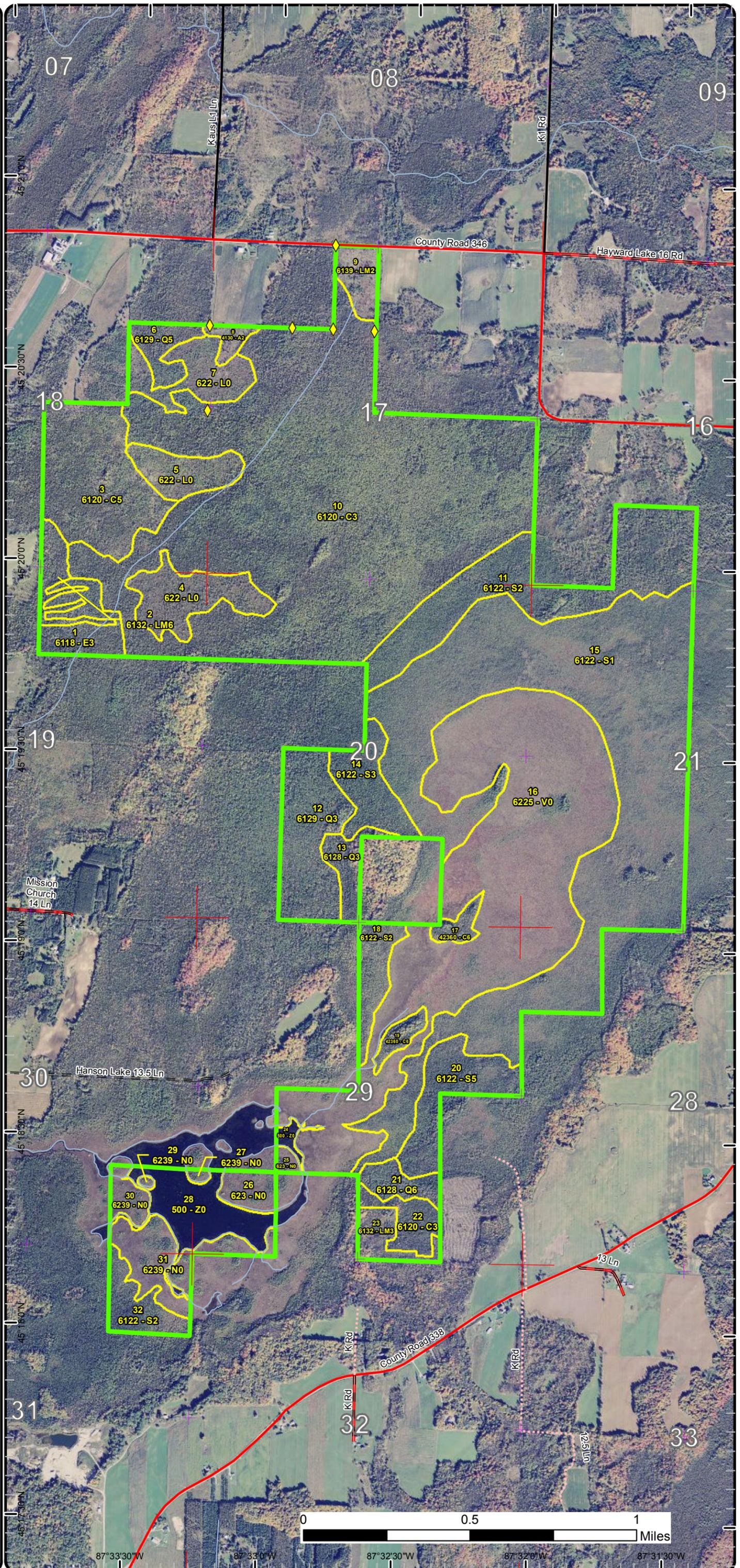


# Stand Boundary Map

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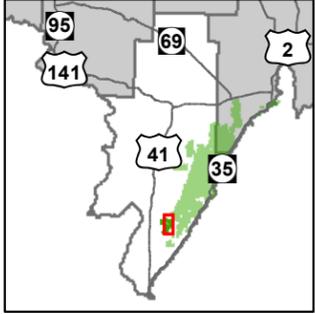


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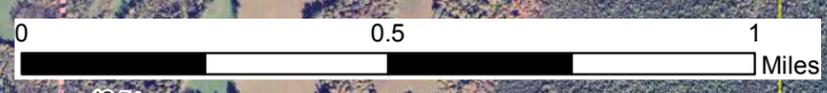
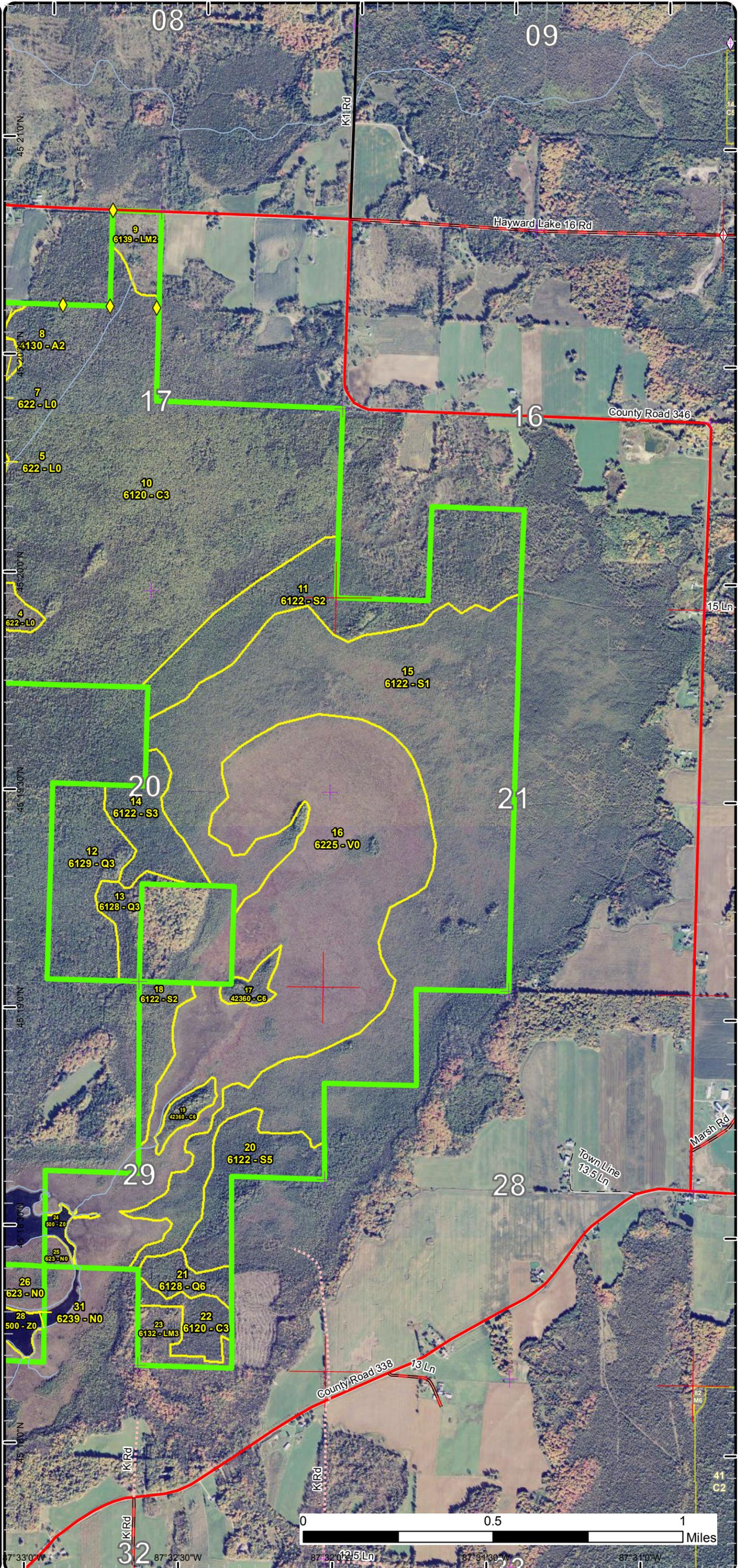


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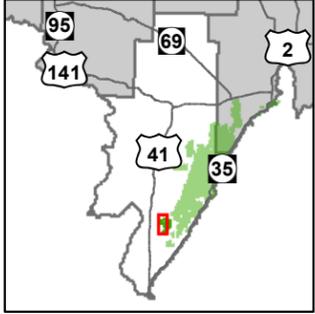


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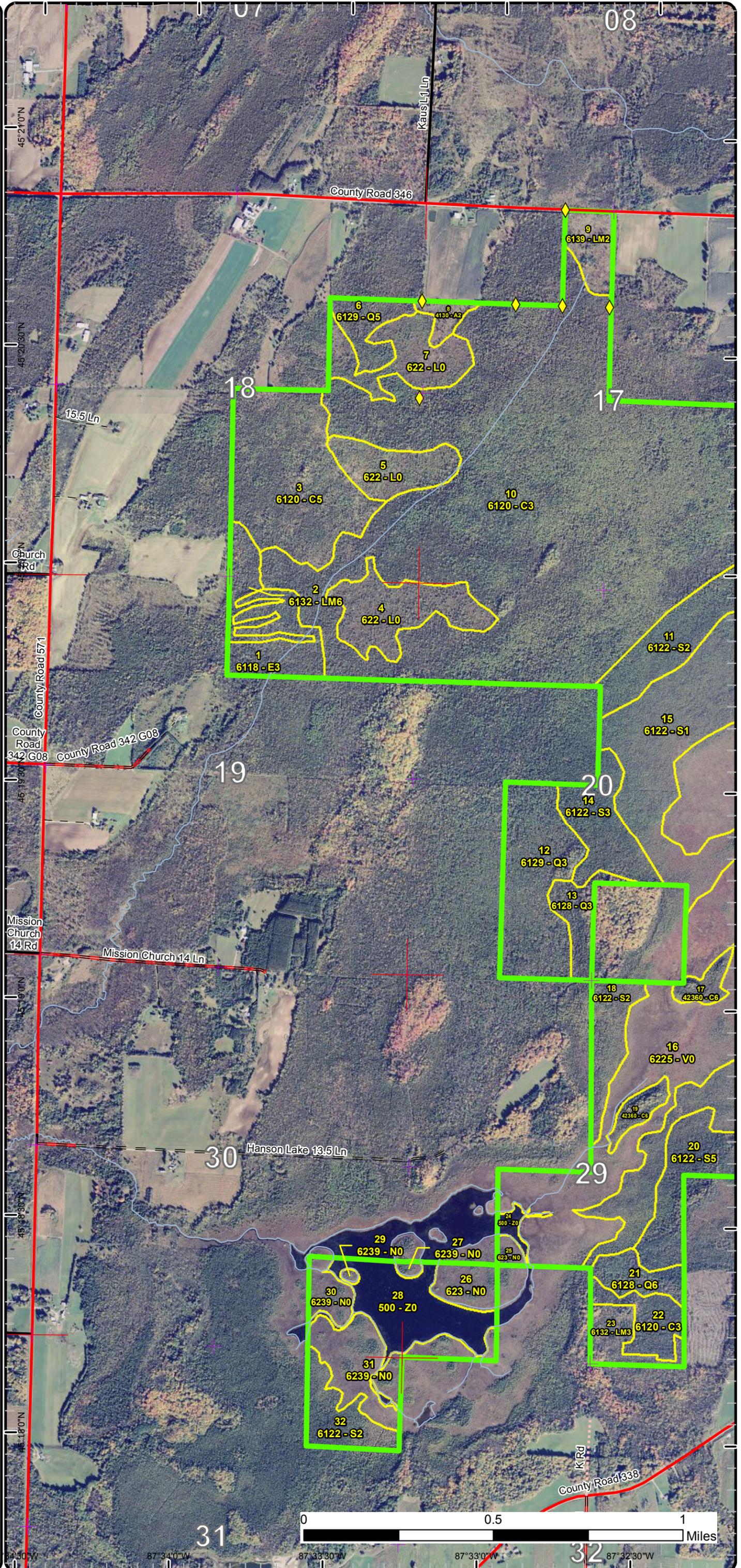


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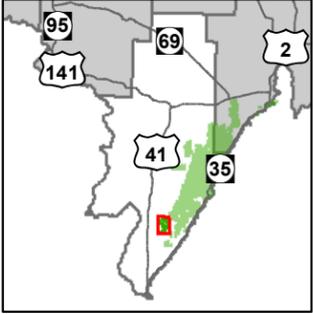


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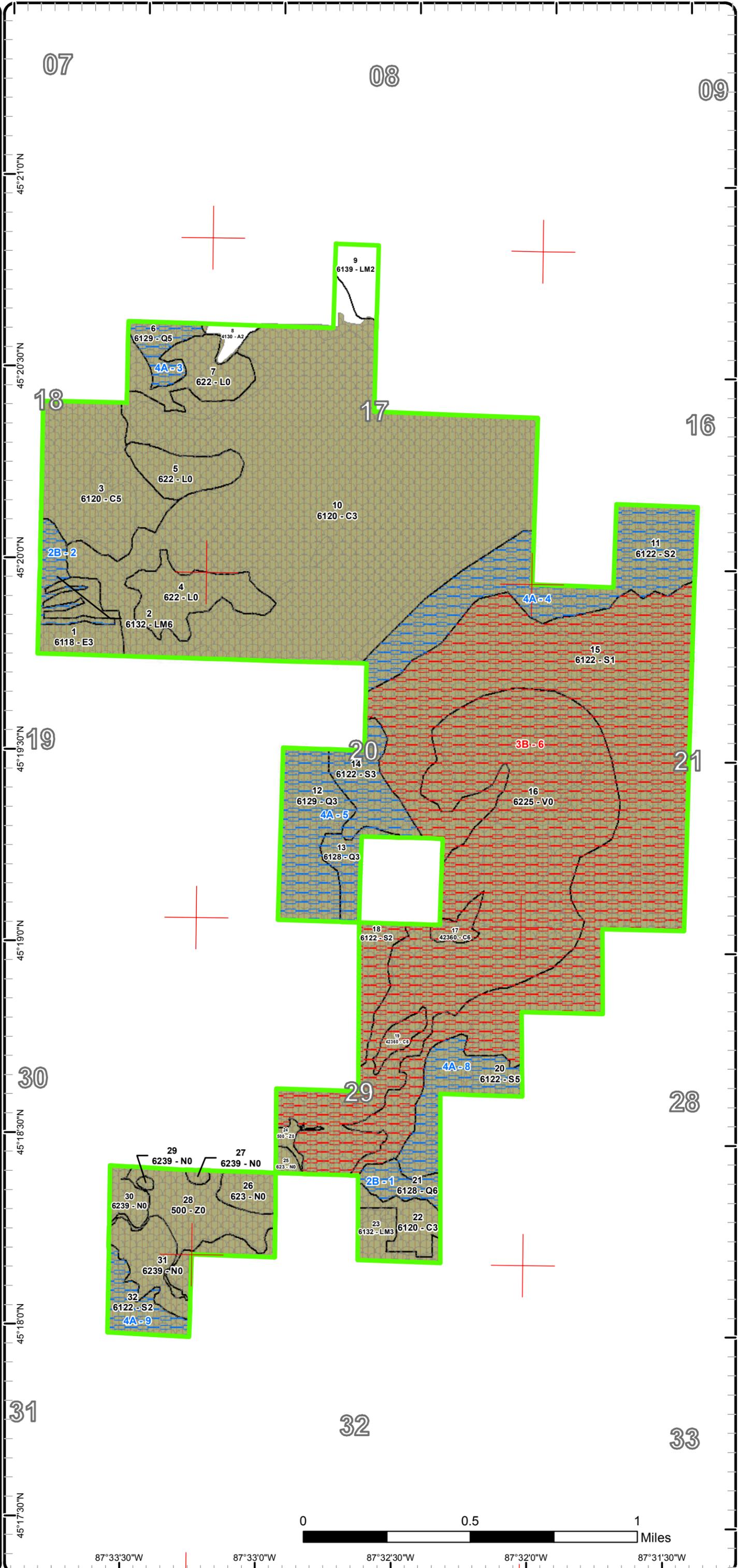


# Special Conservation Areas & Site Conditions Map

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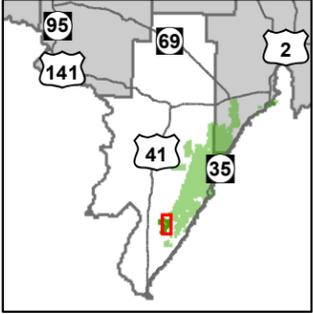


- Miris Corners
- Stand Boundaries
- ▨ SCA Removal
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 2B: Unknown if access through adjacent landowner(s) is possible
- 4A: No Markets Available for these Forest Products
- Unavailable Factors
- 3B: Threatened, endangered, and special concern species/communities
- Special Conservation Areas
- ▨ Potential Old Growth
- ▨ Other SCA (No Category Assigned)

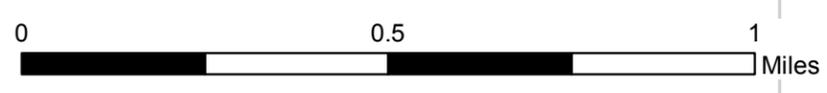
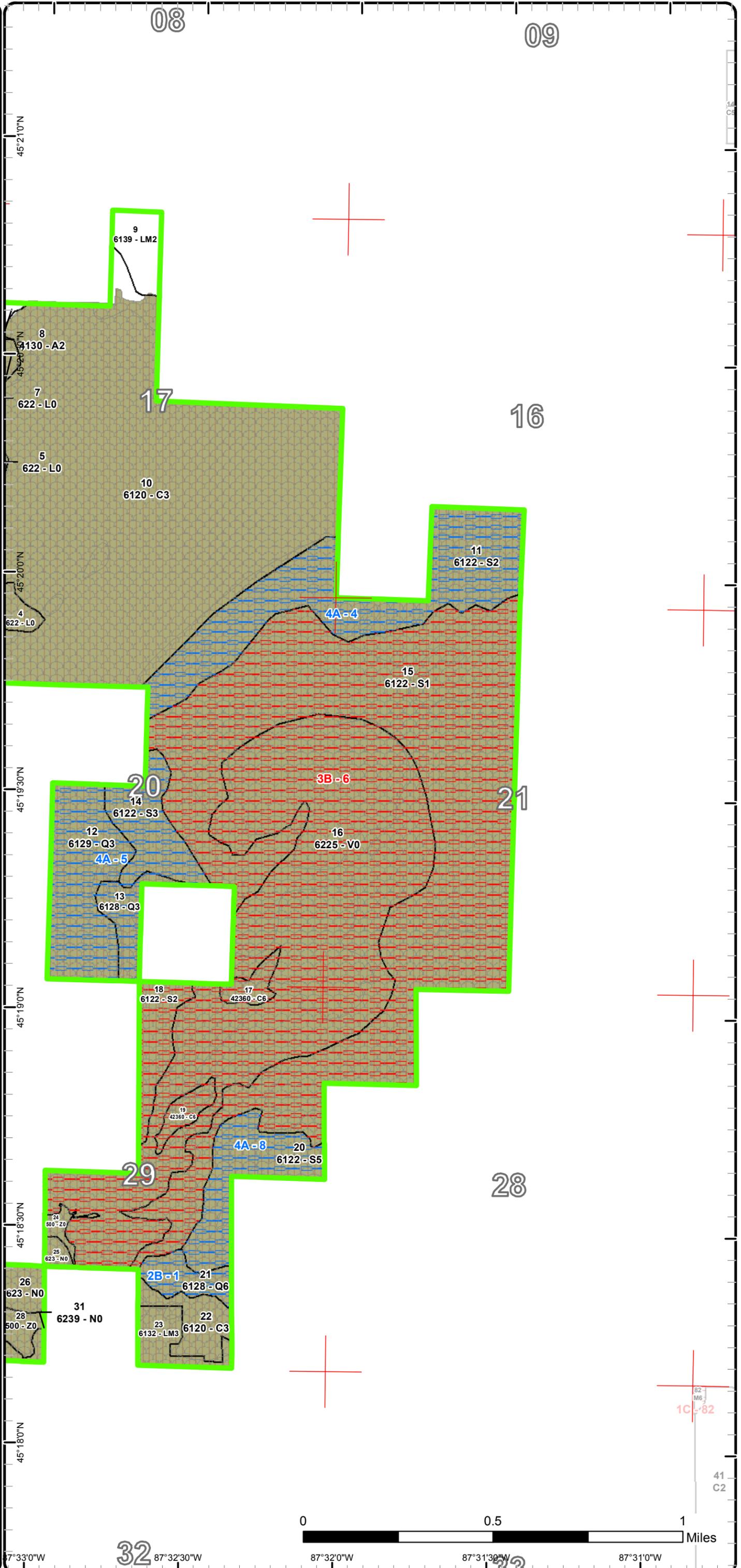


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## Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2017

Compartment 63

Total Compartment Acres: 1,933

### Acres of Harvest

Commercial Harvest - 0  
 Harvests with Site Condition - 0  
 Next Step Harvest - 13  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	13	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	15	0	0	0	0	0	0	0	0	15
<b>Total</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>

### Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	28	0	0	0	0	0	0	0	0	28
Next Step	13	0	0	0	0	0	15	0	0	28
<b>Total</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>56</b>



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2 33063002-Cut	14.5	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	101	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	Draft Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Proposed to treat with a clear cut. This is a small stand that will seed in by surrounding trees and stump/root sprouts. Recommend no seed trees due to large open field to west on private property will most likely wind throw any lone standing trees. Cut during trees dormant stage to maximize root/stump sprouting in deciduous trees.

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration includes ash, aspen, balm, basswood, cedar, fir, spruce, tamarack, pine and hemlock.

Other Comment: Access permission needed from adjacent property owner. Old next step comments:

Proposed Start Date: 10/1 /2016

21 33063021-Cut	13.5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	95	Unspecified	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	Draft Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees 2" dbh and greater. Leave some seed tree clump in center of stand.

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration will contain a mix of tamarack, black spruce, cedar, red maple, black ash, and paper birch producing a mixed lowland forest.

Other Comment: Access permission needed from adjacent property owner. Old next step comments:

Proposed Start Date: 10/1 /2016

**Total Treatment Acreage Proposed: 28.0**

## Report 5 – Site Conditions

Escanaba Mgt. Unit  
Dan Beaudou : Examiner

Compartment: 63  
Year of Entry: 2017

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	2B	3B	4A
	Available	Not Available				
6	6	0	Aspen			
317	0	317	Bog		317	
641	626	15	Cedar		15	
99	0	99	Lowland Conifers	13		86
26	26	0	Lowland Deciduous			
43	29	15	Lowland Mixed Forest	15		
89	89	0	Lowland Shrub			
605	0	605	Lowland Spruce/Fir		412	193
63	63	0	Marsh			
42	42	0	Water			
1,933	882	1,050	Total Forested Acres	28	744	279
	46%	54%	Relative Percent			

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2B: Unknown if access through adjacent landowner(s) is possible	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Escanaba Mgt. Unit  
Dan Beaudou : Examiner

Compartment: 63  
Year of Entry: 2017

3	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Trees are of small size and low stocking level.							
4	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	102	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Check next cycle for improved marketability of product.							
5	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	101	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Forest products of small size for age.							
6	<b>Unavailable</b>	<b>3B: Threatened, endangered, and special concern species/communities</b>	744	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This site condition incorporates the Hanson Lake ERA and Element Occurrence for muskeg and bog.							
8	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small diameter of black spruce and tamarack not merchantable.							
9	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small diameter of black spruce not merchantable.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
<b>Comments</b>				



**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 63  
Year of Entry: 2017



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	6120 - Lowland Cedar	Sapling Well	529.8	101	Unspecified	This stand is a large, poor quality cedar swamp. There are two small upland ridges (less than 5 acres) toward the south central portion of the stand that additionally contain aspen, balsam fir and hemlock.



Stand	Cover Type	Acres	Managed Site	General Comments:
7	622 - Lowland Shrub	30.4	No	Lowland with scattered cedar and tamarack trees.