



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 8 ENTRY YEAR: 2011

Compartment Acreage: 1002 County: Roscommon

Revision Date: 3-11-2009

Stand Examiner: Jason Lewicki

Legal Description: T24N R02W Sections 12 & 13

RMU (if applicable):N/A

Management Goals: To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

Soil and Topography: Upland soils are a mix of grayling and Croswell sands. Lowland areas are a mix of Lupton Mucks. Topography is generally flat.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land is intermixed with private ownership.

Unique, Natural Features: The South Branch of the AuSable River flows through this compartment. This river falls under Natural Rivers designation and is also a "HCVA". Much of this compartment is part of the Hudson Creek Swamp.

Archeological, Historical, and Cultural Features: A foundation from an old "trappers cabin" is found on the south side of the AuSable river in section #12

Special Management Designations or Considerations: The AuSable River is a "HCVA" under the natural rivers act. All the land south of the river is an "SCA" as part of the Hudson Creek Swamp.

Watershed and Fisheries Considerations: South Branch of The Ausable River is designated trout waters. Care must be taken when performing any management activities to protect and leave vegetative buffers and prevent any soil erosion into the river. Hudson creek also flows through this compartment.

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species.

Mineral Resource and Development Concerns and/or Restrictions: Sections 1, 12 & 13, T24N-R2W, Roscommon County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. Gravel pits are located in the area and there could be potential in Section 1. St. Helen Field is located two miles to the southeast. The field has produced over 8.7 million BO and 14.7 Bcf

gas from the Devonian Richfield Formation and is in secondary recovery operations currently. None of the State land in the Compartment is currently leased.

Vehicle Access: Vehicle access is very good on the north side of the AuSable River. Areas south of the river are only accessible through private property.

Survey Needs: None

Recreational Facilities and Opportunities: Good vehicle access provides excellent hunting opportunities. Excellent fishing/trapping opportunities due to the AuSable River.

Fire Protection: Excellent vehicle access provides good Fire protection on the north side of the river, though there are some pine cover types in the area. The south side of the river does pose some problems for fire protection due to some pine cover types and difficult access.

Additional Compartment Information:

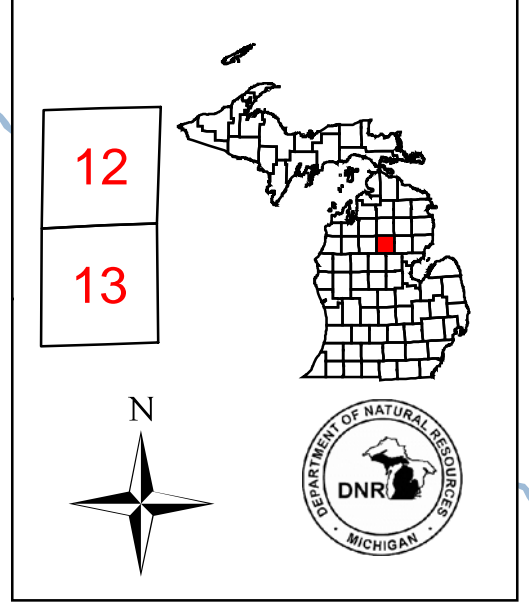
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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**

Cover Type & Treatment Map

Compartment 8
 T24N, R02W, Sec. 12, 13
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 1,002 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/25/2009
 Map Phase: Pre-Review

Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

- Miris Corners
- Paved Road
- Poor Dirt Road
- Intermittent Stream/Drain
- Stream
- Trails
- ORV Trails
- MCCCT Trails
- Lakes and Rivers

Forest Stands

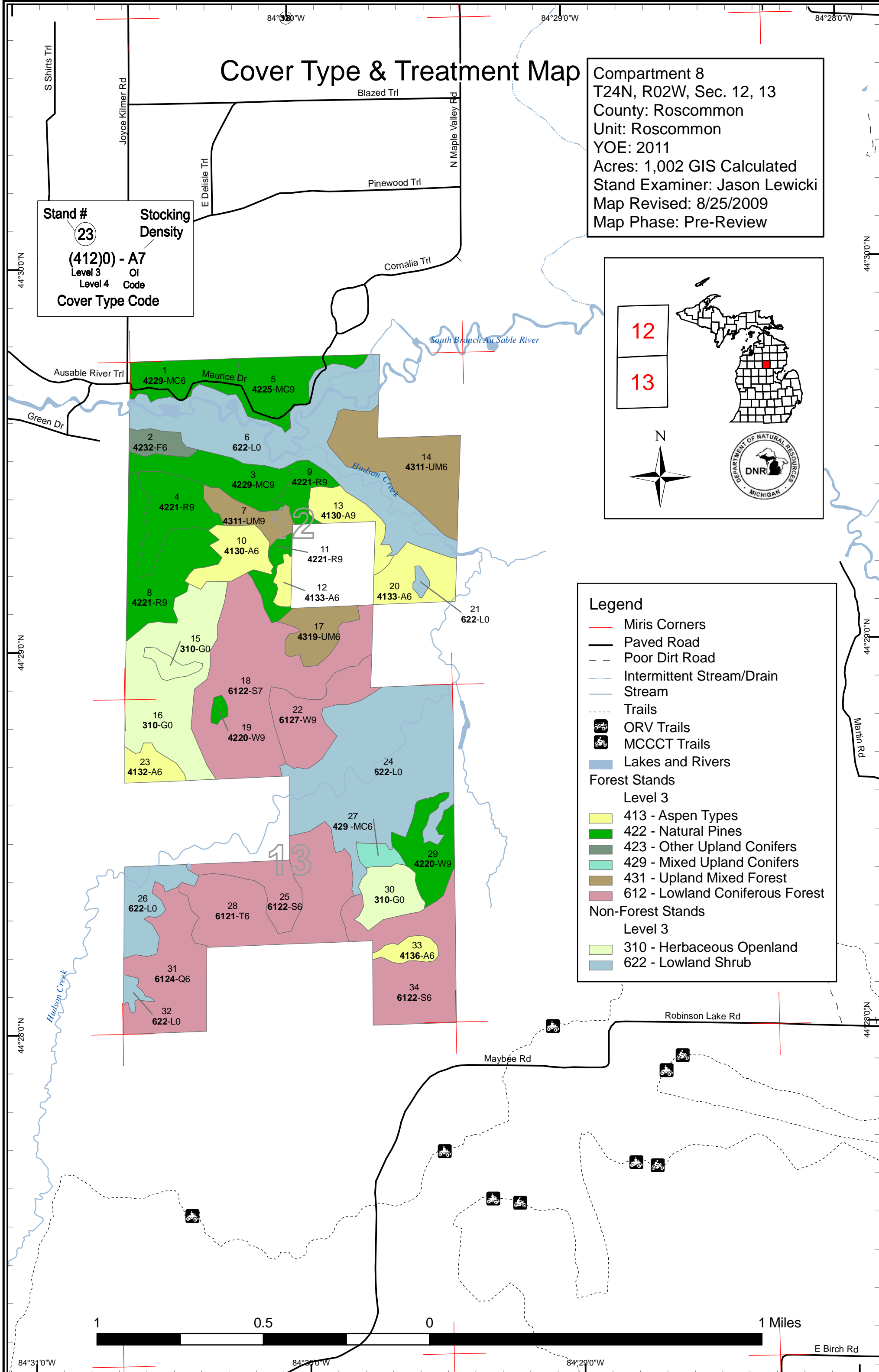
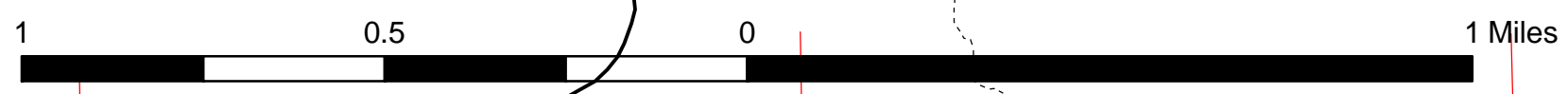
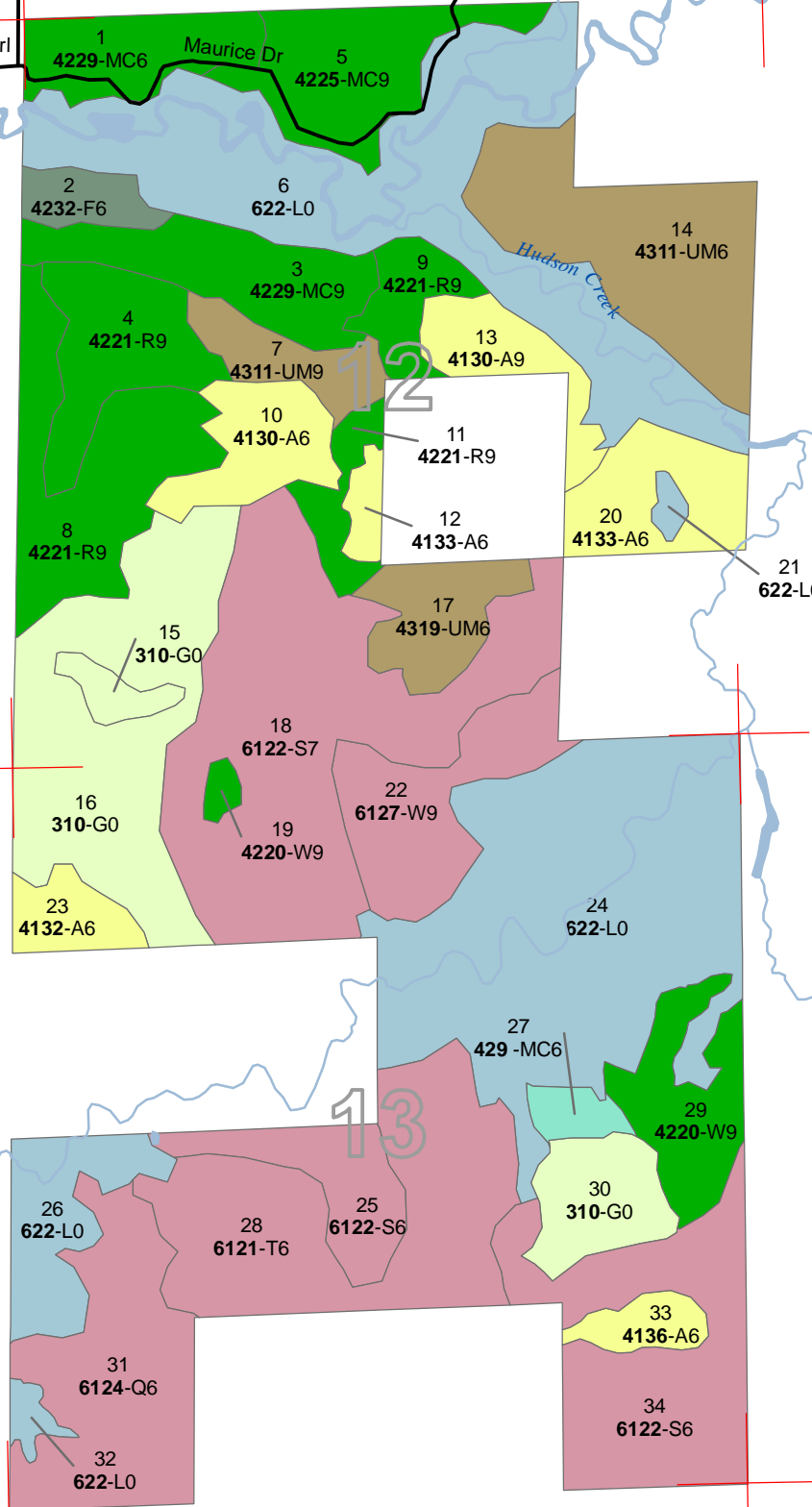
Level 3

- 413 - Aspen Types
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

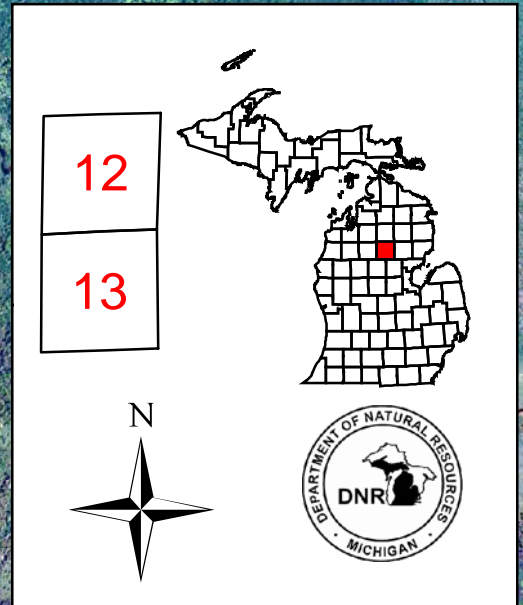
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



Stand Boundary Map

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 T24N, R02W, Sec. 12, 13
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Forest Stands

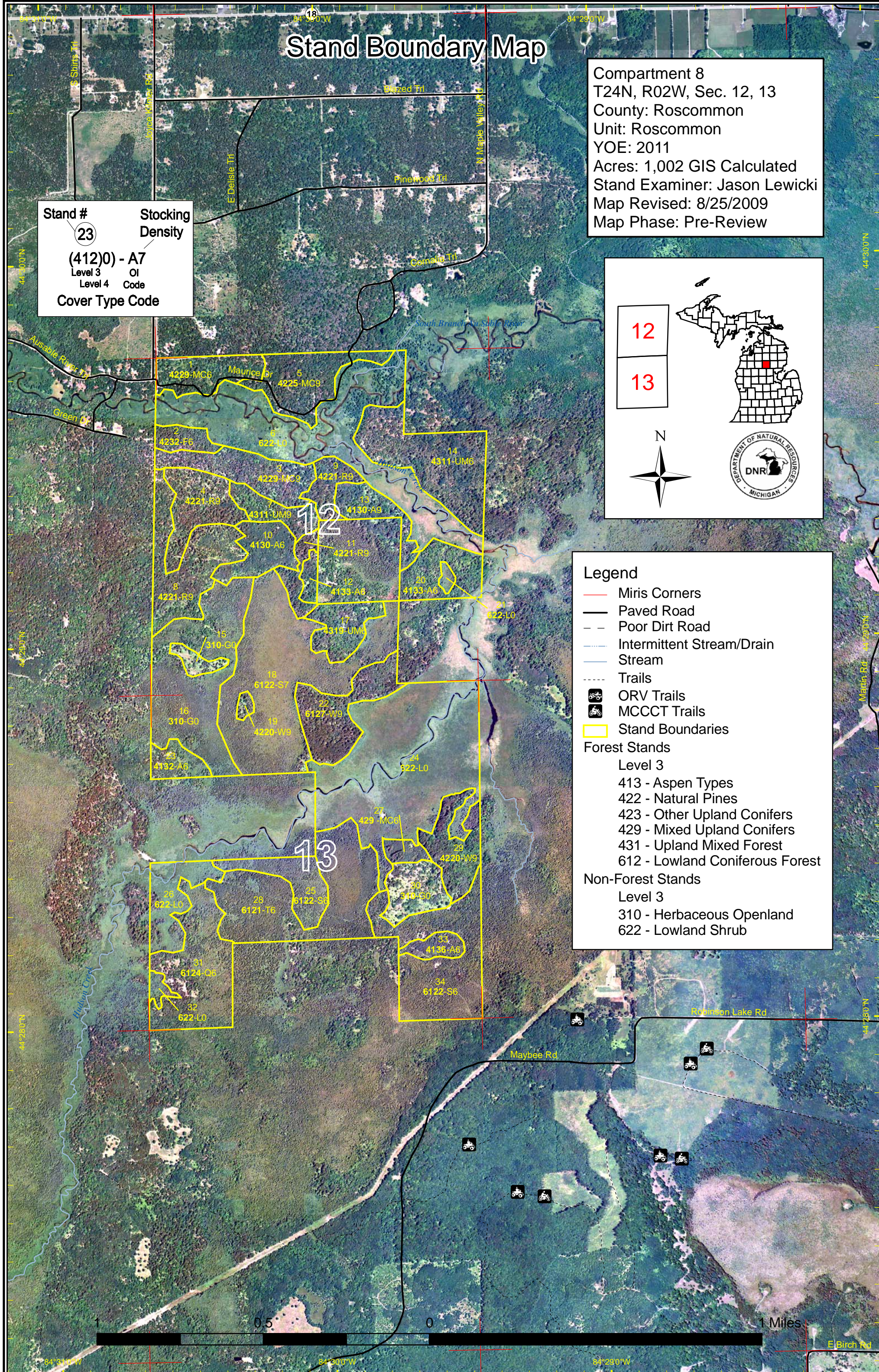
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Level 3

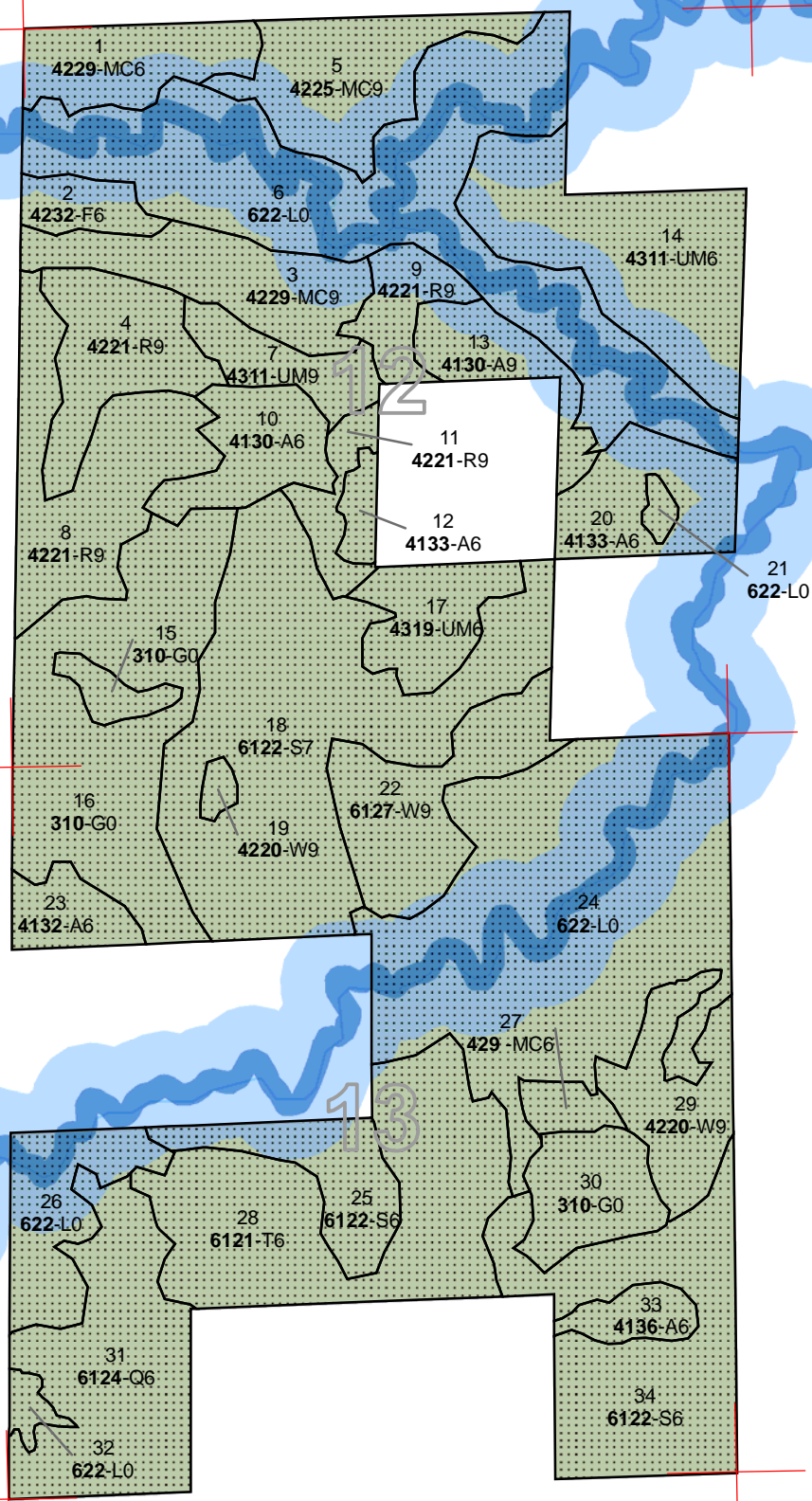
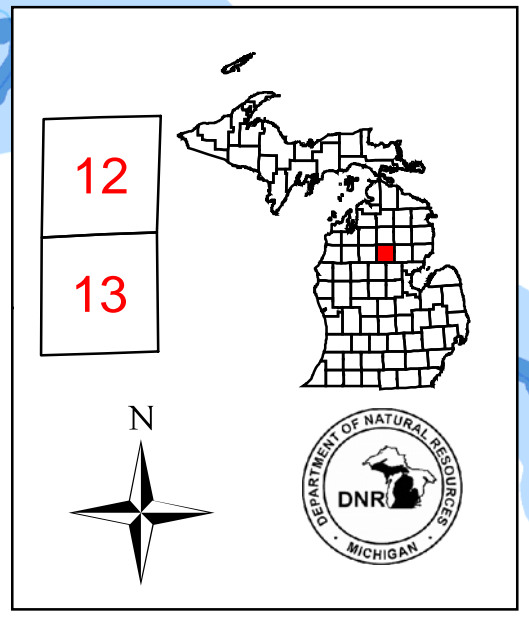
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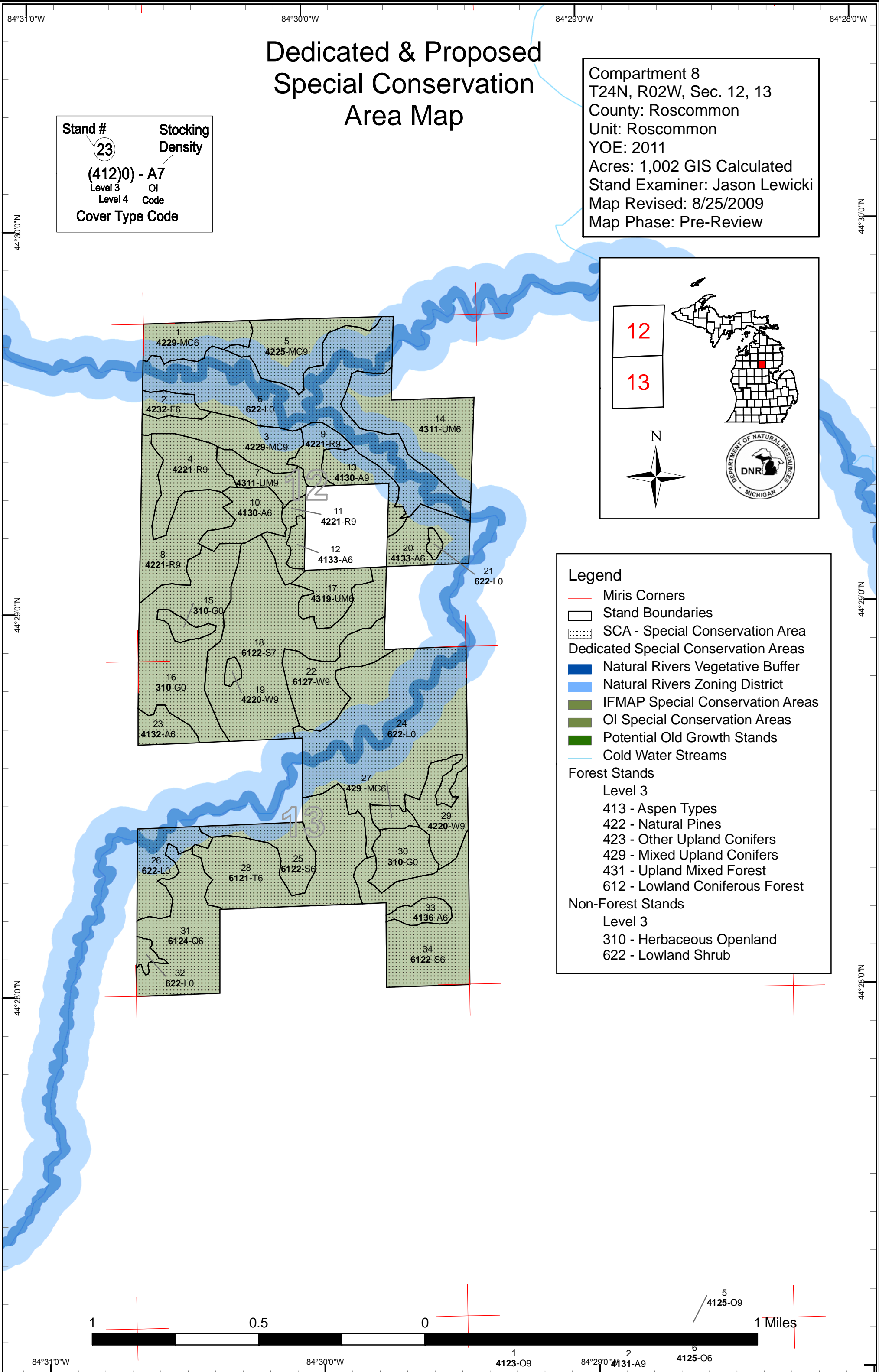
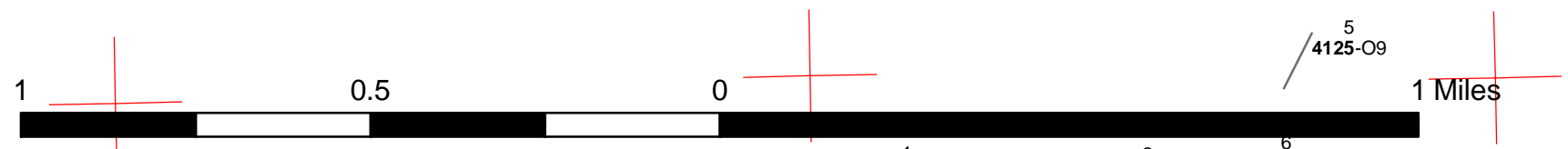
Dedicated & Proposed Special Conservation Area Map

Compartment 8
T24N, R02W, Sec. 12, 13
County: Roscommon
Unit: Roscommon
YOE: 2011
Acres: 1,002 GIS Calculated
Stand Examiner: Jason Lewicki
Map Revised: 8/25/2009
Map Phase: Pre-Review

Stand #
23
Stocking Density
(412)0 - A7
Level 3 OI
Level 4 Code
Cover Type Code



- Legend**
- Miris Corners
 - Stand Boundaries
 - ▨ SCA - Special Conservation Area
 - Dedicated Special Conservation Areas**
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - IFMAP Special Conservation Areas
 - OI Special Conservation Areas
 - Potential Old Growth Stands
 - Cold Water Streams
 - Forest Stands**
 - Level 3
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Roscommon Mgt. Unit

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

Compartment 008 Year of Entry 2011

Report Date: 08/25/2009



	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	0	0	18	7	10	0	0	19	21	0	0	0	0	0	75
Herbaceous Openland	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	0	313	0	0	0	0	313
Lowland Shrub	248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	248
Mixed Upland Conifers	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
Natural Pines	0	0	0	0	0	0	0	64	49	72	0	0	0	0	0	185
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	13	66	0	0	0	0	79
Total	337	0	0	23	7	10	0	0	83	83	459	0	0	0	0	1002

S
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d

Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 008

Entry Yr: 2011

Date 08/25/2009



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
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Rev
Cmnt:

Rev
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



**PROPOSED TREATMENTS
WITH LIMITING FACTORS**



S
t
a
n
d

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

**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
multiple - see map		1001.8	



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

Conservation Area	Type	Description
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.