



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 109 ENTRY YEAR: 2011

Compartment Acreage: 1293 County: Roscommon

Revision Date: 3/11/09

Stand Examiner: D. Ekdorn

Legal Description: T22N R04W Sections 7 – 9

Management Goals: Maintain current age and species diversity in a range of early and late successional ecosystems given access constraints due to terrain.

Soil and Topography: Terrain is relatively flat throughout most of the compartment and soils are Rifle peat, Newton Loamy sand, Bergland loam and clay loam, and Saugatuck sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is a solid block of state land and is surrounded by state land except on the east side. Private property to the east is seasonal and permanent homes on acreage and agricultural land.

Unique, Natural Features: Yellow rail and spotted turtle are documented in this compartment. Potential for Blandings turtle, eastern massasauga, osprey, great blue heron, northern harrier, and other rare wetland birds.

Archeological, Historical, and Cultural Features: None known or discovered during fieldwork.

Special Management Designations or Considerations: Houghton Lake Wildlife Research Area (Porter Ranch) is a Special Conservation Area.

Watershed and Fisheries Considerations: Nellsville Drain and associated wetlands including the outlet for the Houghton Lake Sewage Treatment Facility.

Wildlife Habitat Considerations: Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, ducks, and geese as well as non-game species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat & muck, dune sand and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay for brick making in other areas of the State. Most of the good gravel pits are associated with upland areas. Gravel pits are located in Section 4 and there may be some potential. The Nellsville Field is located in Section 17 to the south. The field has produced over 59,000 BO from the Devonian Richfield Formation. The Compartment is not currently leased.

Vehicle Access: Poor due to wet terrain except for oil well road in Section 8.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: No developed recreational facilities at this time but good potential for dispersed activities such as hunting and bird-watching.

Fire Protection: No unusual needs anticipated due to terrain and proximity to suppression forces.

Additional Compartment Information: There are no treatments prescribed in the compartment this year-of-entry.

- **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**

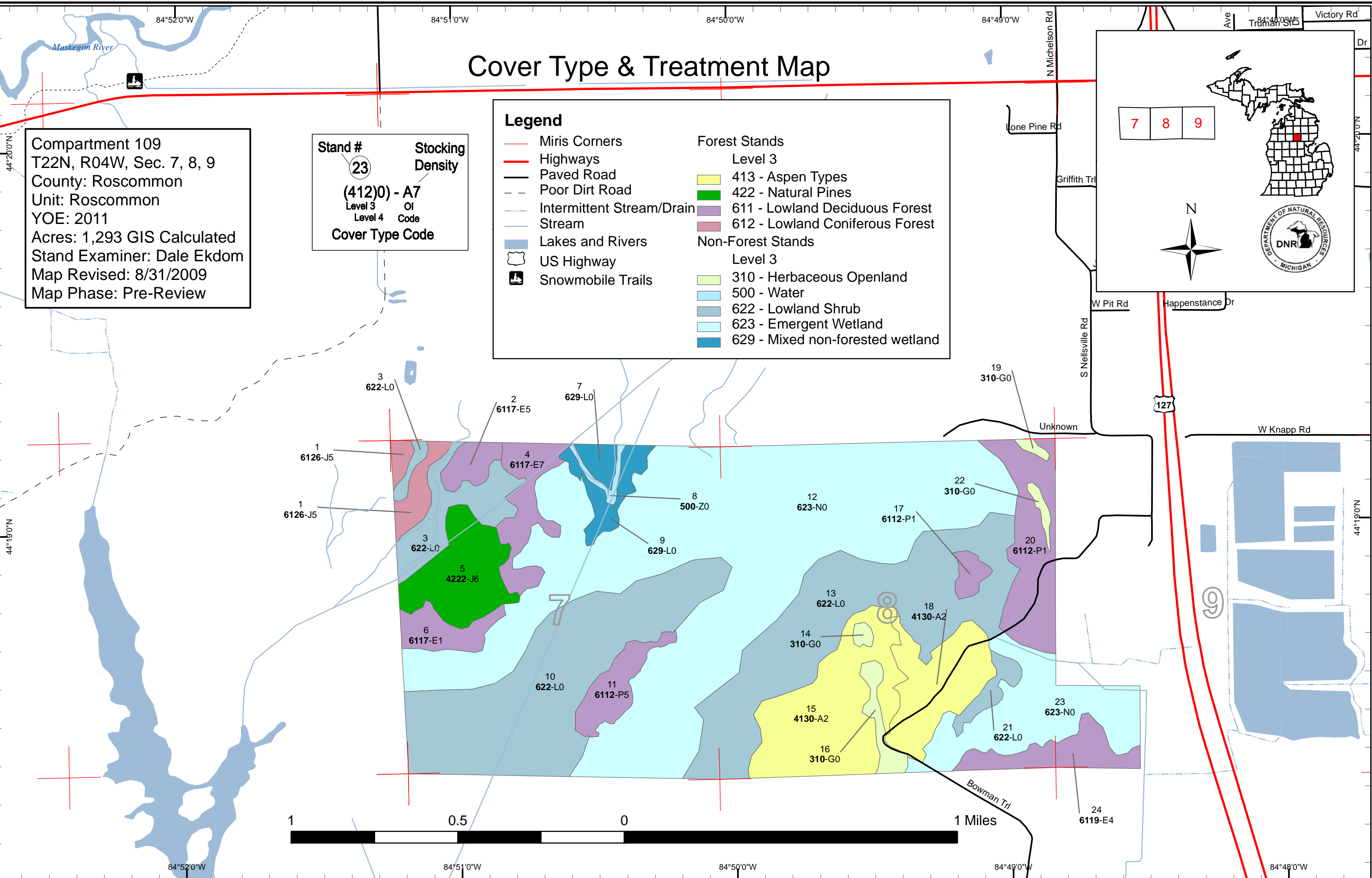
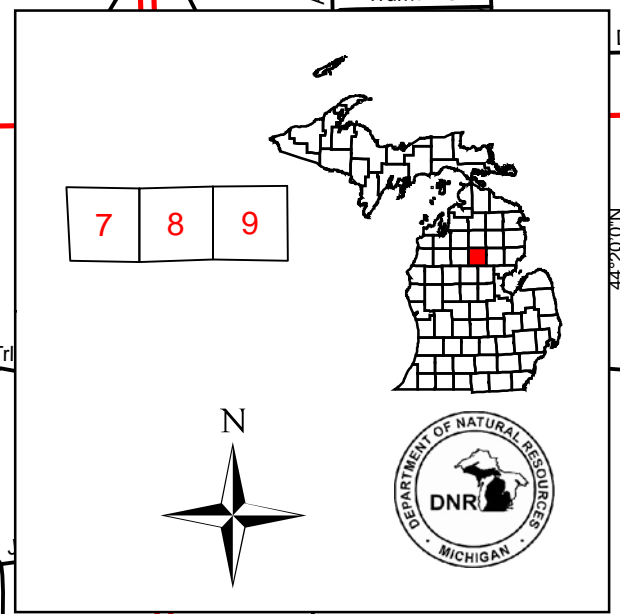
Cover Type & Treatment Map

Compartment 109
 T22N, R04W, Sec. 7, 8, 9
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 1,293 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 8/31/2009
 Map Phase: Pre-Review

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

Legend

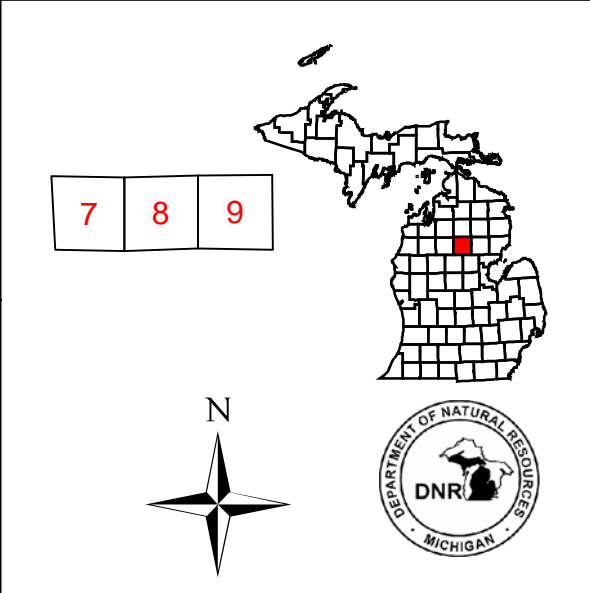
- Miris Corners
 - Highways
 - Paved Road
 - Poor Dirt Road
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - US Highway
 - Snowmobile Trails
-
- | | |
|---|---|
| Forest Stands
Level 3
 413 - Aspen Types
 422 - Natural Pines
 611 - Lowland Deciduous Forest
 612 - Lowland Coniferous Forest | Non-Forest Stands
Level 3
 310 - Herbaceous Openland
 500 - Water
 622 - Lowland Shrub
 623 - Emergent Wetland
 629 - Mixed non-forested wetland |
|---|---|



Stand Boundary Map

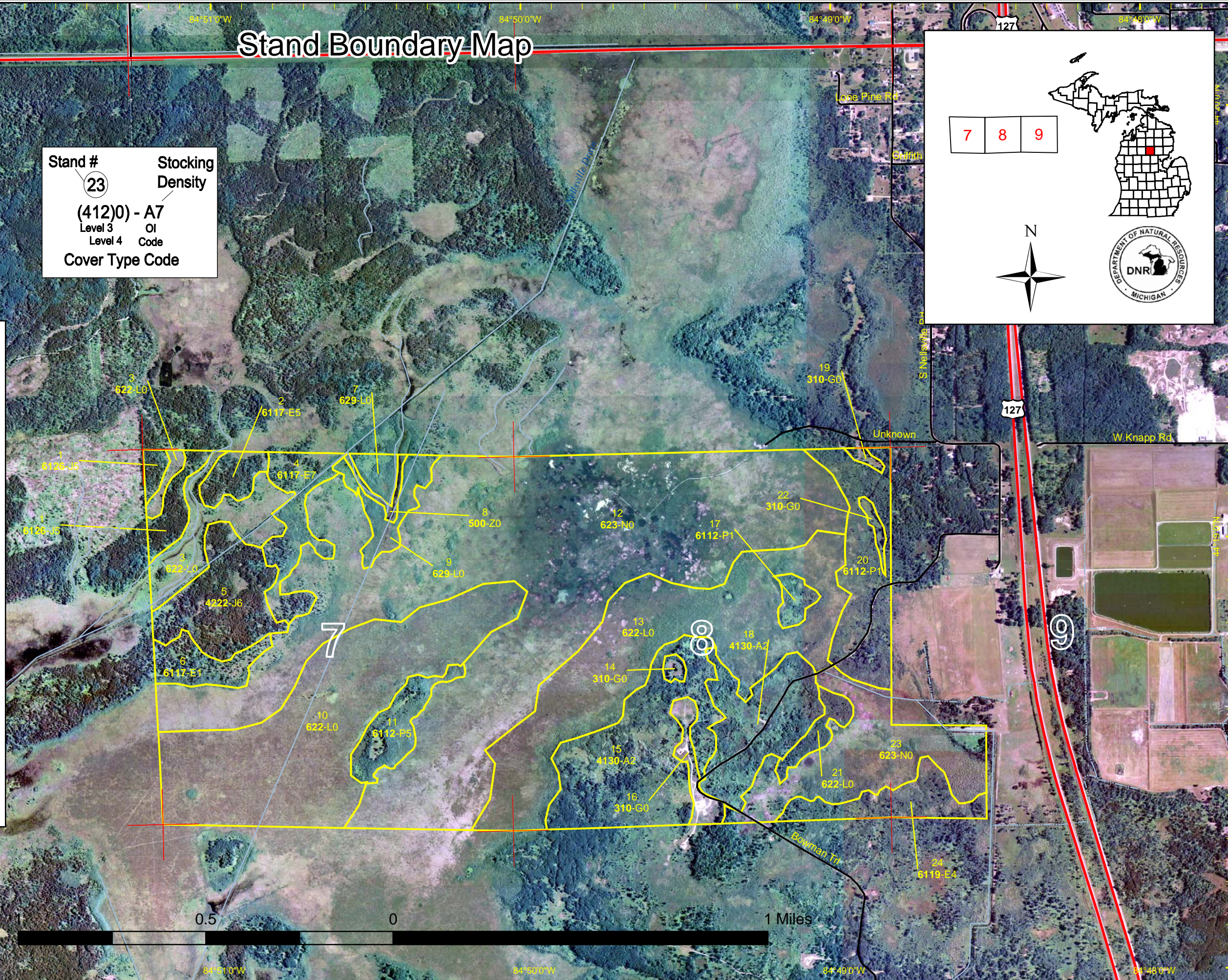
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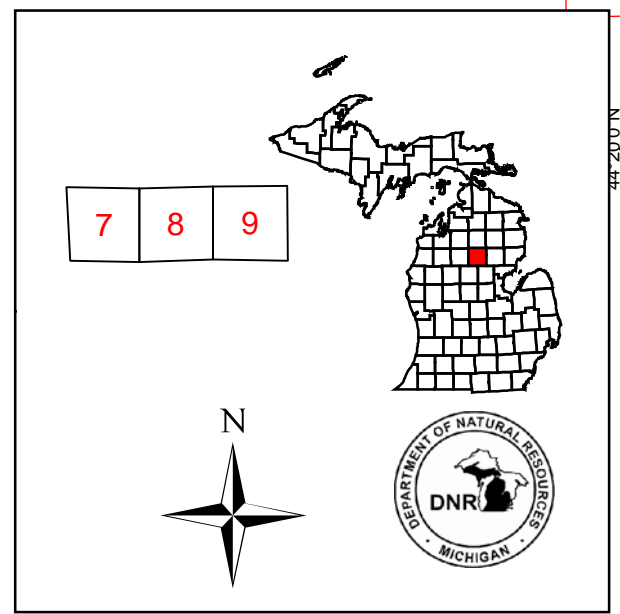
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 - Stand Boundaries
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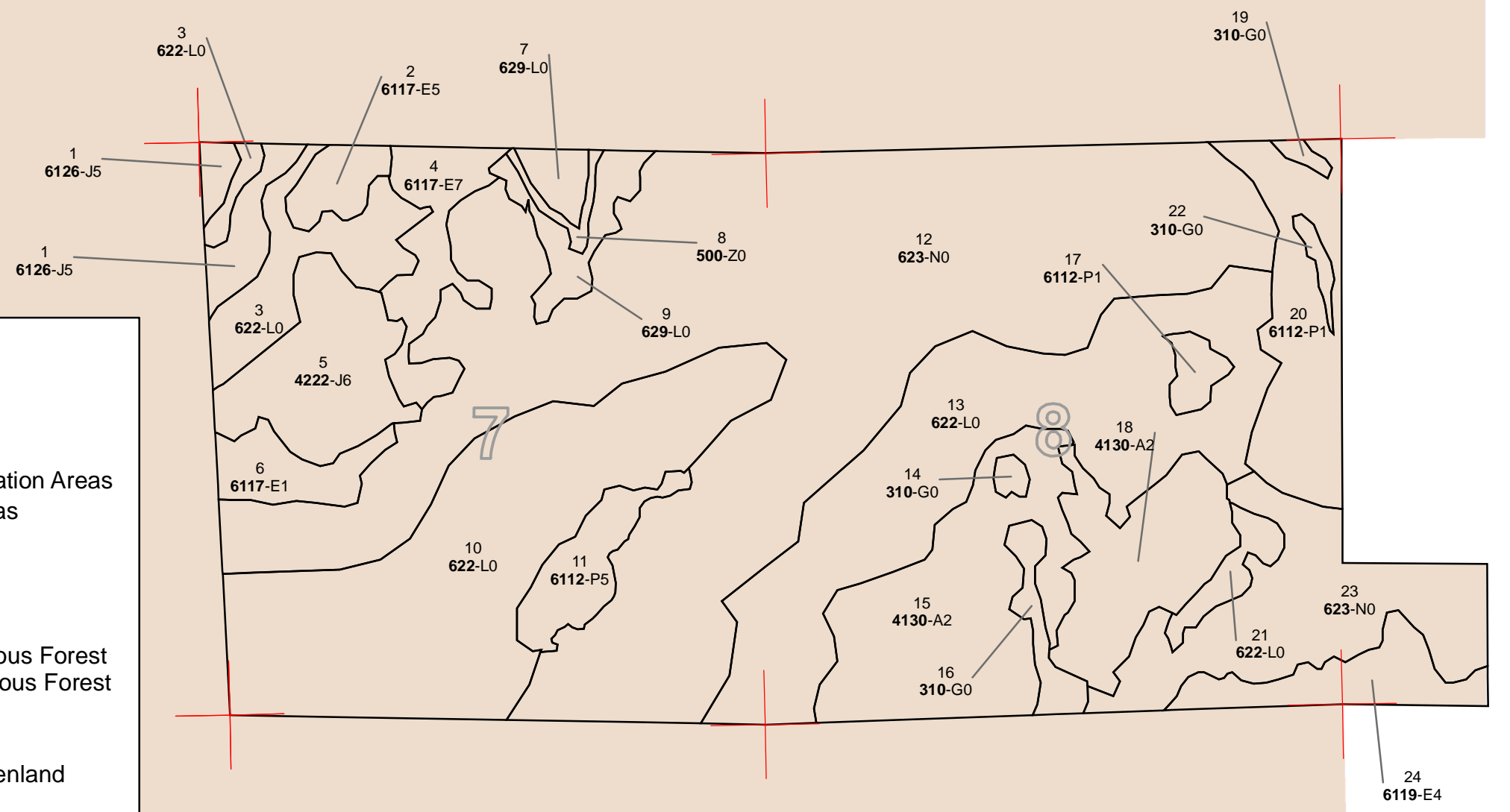
Dedicated & Proposed Special Conservation Area Map

Compartment 109
 T22N, R04W, Sec. 7, 8, 9
 County: Roscommon
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Stand #
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- Legend**
- Miris Corners
 - Sections
 - Stand Boundaries
 - Dedicated Special Conservation Areas
 - Wildlife Research Areas
 - Forest Stands
 - Level 3
 - 413 - Aspen Types
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84°52'0"W 84°51'0"W 84°50'0"W 84°49'0"W 84°48'0"W

44°20'0"N

44°19'0"N

44°19'0"N

44°18'0"N

S
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Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 109

Entry Yr: 2011

Date 08/28/2009



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
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Rev
Cmnt:

Rev
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

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Roscommon Mgt. Unit
Inventory Method: IFMAP

PROPOSED TREATMENTS WITH LIMITING FACTORS

Compartment: 109 Entry Yr: 2011
Date 08/28/2009



Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
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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



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
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.