



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 114    ENTRY YEAR: 2011**

**Compartment Acreage: 710**

**County: Roscommon**

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**Revision Date:** 3/11/09

**Stand Examiner:** D. Ekdorn

**Legal Description:** T22N R3W Sections 22, 26, 27

**Management Goals:** Maintain current age and species diversity in a range of early and late successional ecosystems.

**Soil and Topography:** Terrain is relatively flat to slightly rolling. Soil types are Grayling and Saugatuck sand on the higher ground and Rifle peat and Greenwood peat in the lower, wetter areas.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Compartment is a mostly solid block of state land with several larger and smaller in-holdings. Private property in and around the compartment is both permanent and seasonal homes in sub-divisions and small acreages and larger non-developed parcels used for hunting and other recreation.

**Unique, Natural Features:** No T & E species recorded in compartment but potential exists based on records on surrounding lands.

**Archeological, Historical, and Cultural Features:** Compartment contains at least 1 turn-of-the-century occupation site.

**Special Management Designations or Considerations:** None

**Watershed and Fisheries Considerations:** Knappens Creek, one large marshy flooding, and one tributary of Knappens Creek.

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

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Pennsylvanian Saginaw Formation and the Mississippian Bayport Limestone and Michigan Formation. The Saginaw is quarried for clay for brick making, the Bayport for limestone and the Michigan for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. A pit is located in Section 22, but this Compartment appears to have limited gravel potential. The Nellsville Field is located seven miles to the west. The field has produced over 59,000 BO from the Devonian Richfield Formation. Section 26 is currently leased for oil & gas development.

**Vehicle Access:** Excellent access on State Highway M-18, county non-seasonal and seasonal roads and forest two-tracks.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** No developed recreation facilities at this time but heavy hunting and snowmobile use during those seasons due to the proximity to Prudenville.

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

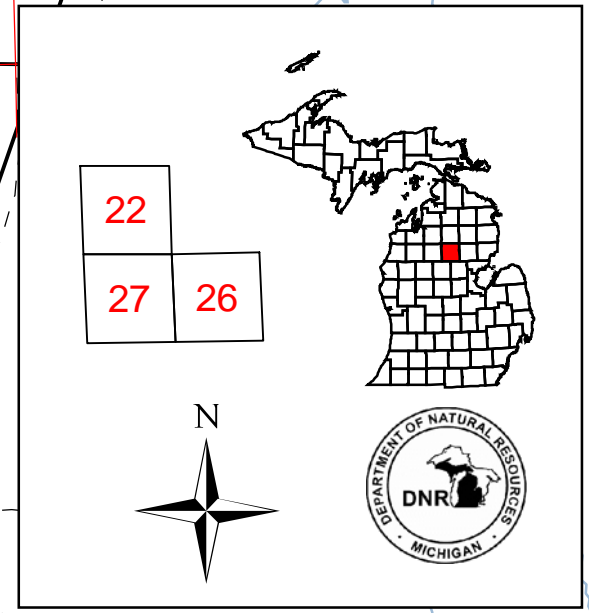
**Additional Compartment Information:** 59 acres of shelterwood harvests are prescribed in 3 oak stands with a management objective of oak/pine in these 3 stands.

- **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 114  
 T22N, R03W, Sec. 22, 26, 27  
 County: Roscommon  
 Unit: Roscommon  
 YOE: 2011  
 Acres: 710 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
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- State Highway
- ORV Routes
- Motorcycle Trails
- Snowmobile Trails

**Treatments**

- Shelter Wood (w/Reserves)

**Forest Stands**

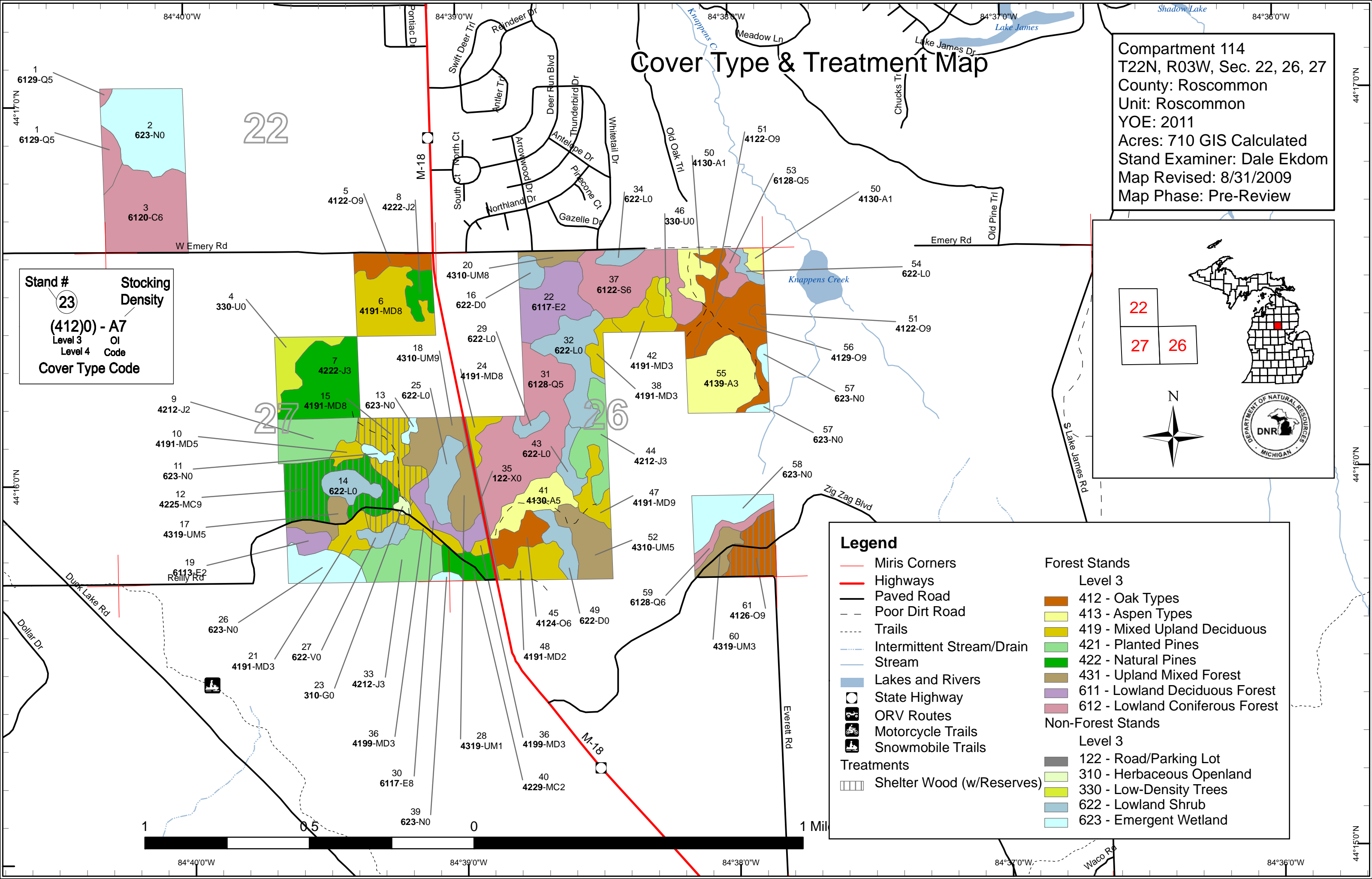
Level 3

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

**Non-Forest Stands**

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



# Stand Boundary Map

Compartment 114  
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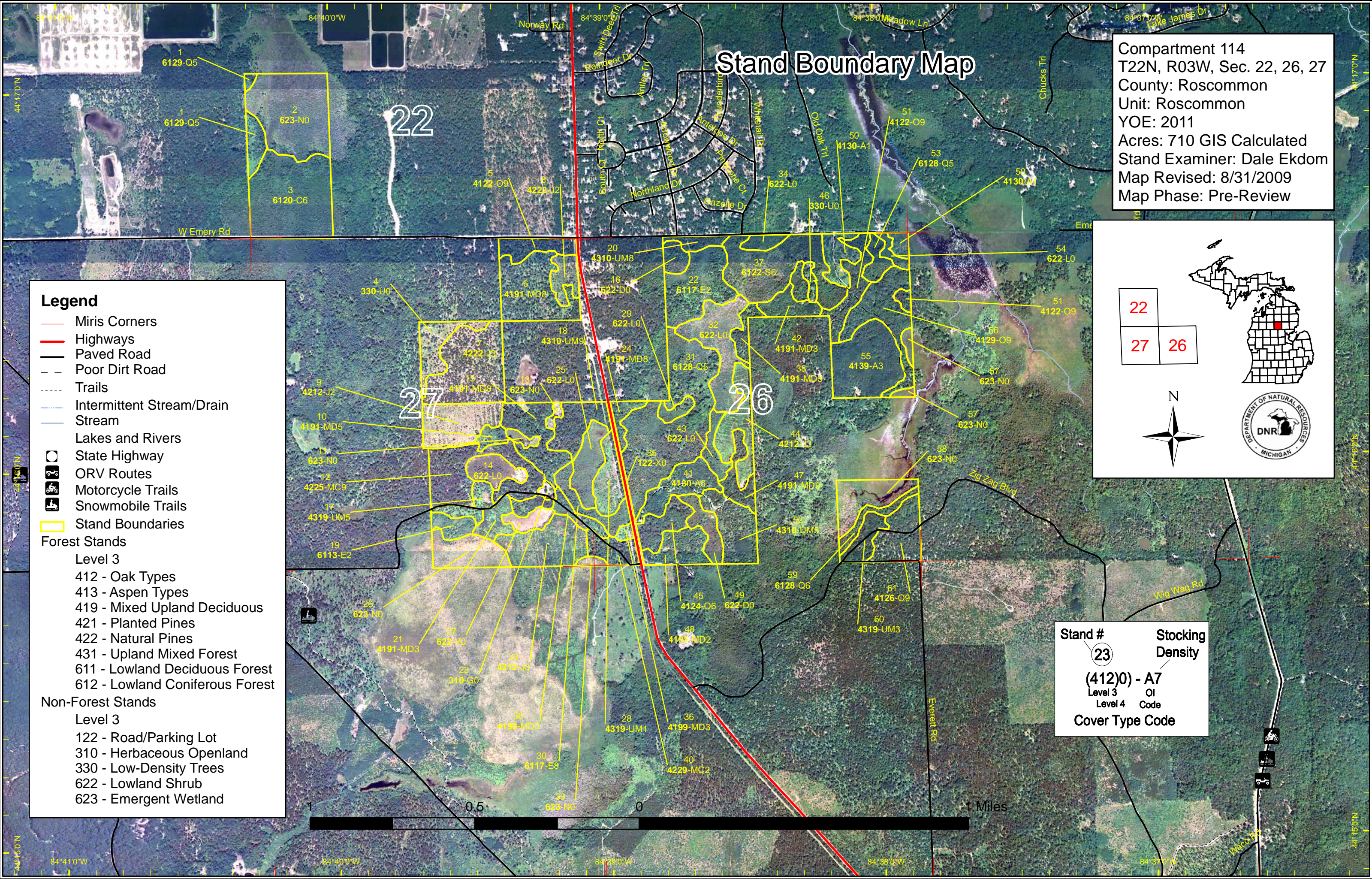
## Legend

- Miris Corners
  - Highways
  - Paved Road
  - Poor Dirt Road
  - Trails
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
  - State Highway
  - ORV Routes
  - Motorcycle Trails
  - Snowmobile Trails
  - Stand Boundaries
- Forest Stands**
- Level 3
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22  
 27 26

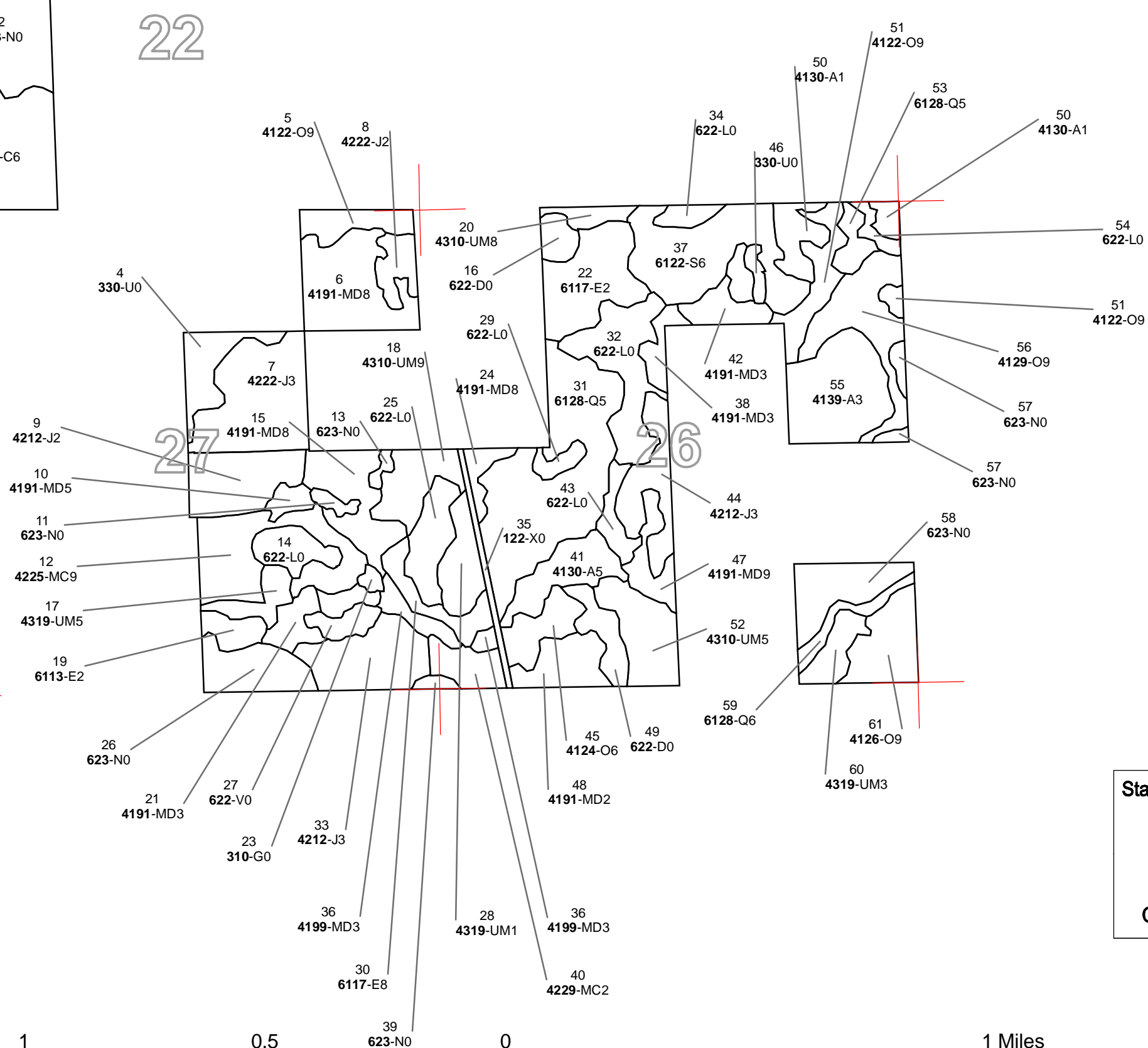
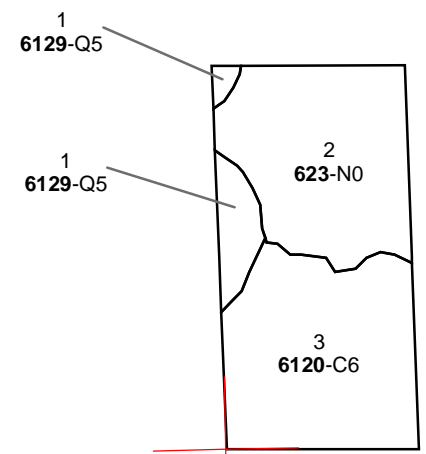
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**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



# Dedicated & Proposed Special Conservation Area Map

Compartment 114  
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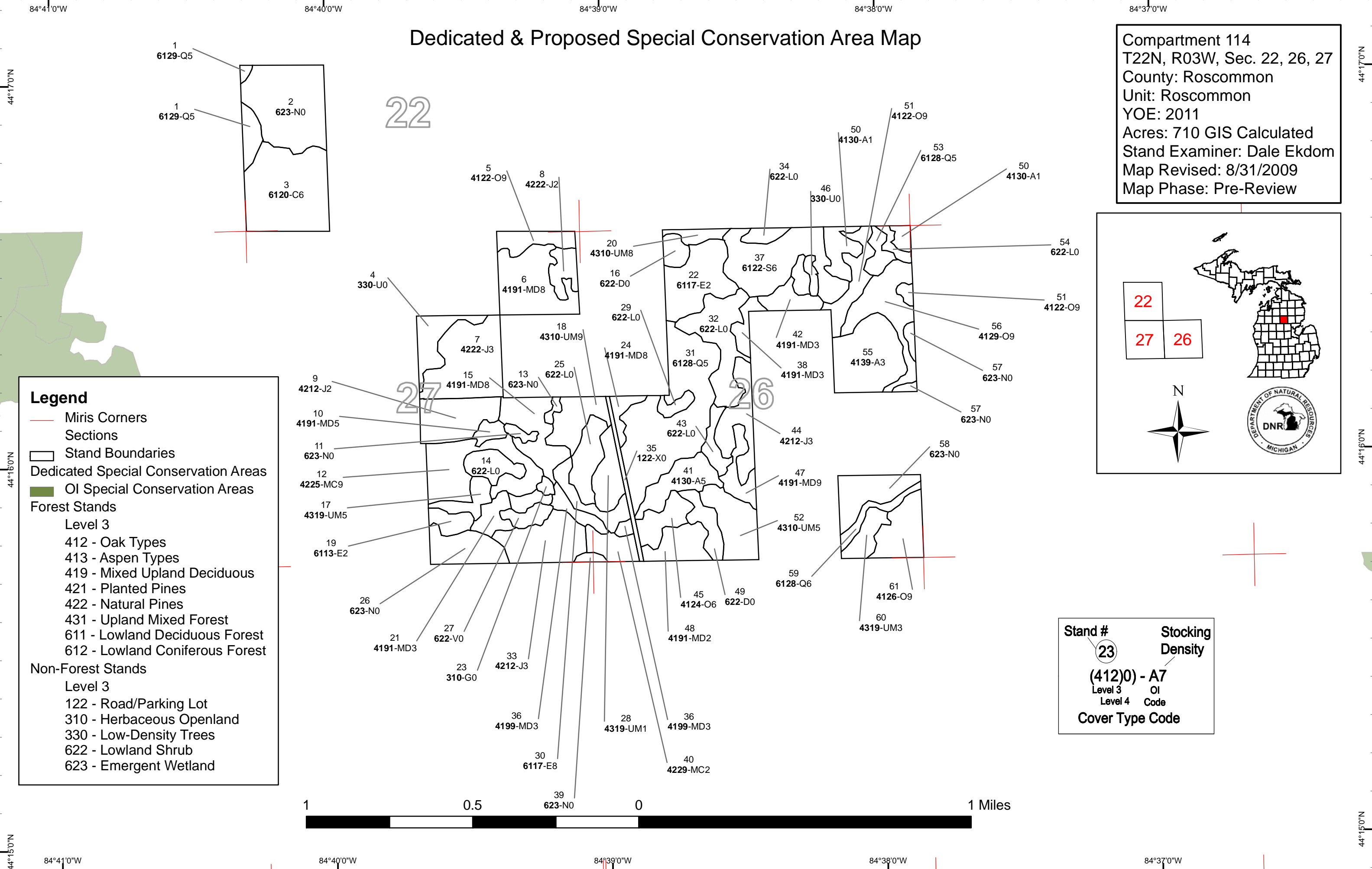


**Legend**

- Miris Corners
- Sections
- Stand Boundaries
- Dedicated Special Conservation Areas
- OI Special Conservation Areas
- Forest Stands
  - Level 3
    - 412 - Oak Types
    - 413 - Aspen Types
    - 419 - Mixed Upland Deciduous
    - 421 - Planted Pines
    - 422 - Natural Pines
    - 431 - Upland Mixed Forest
    - 611 - Lowland Deciduous Forest
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  - Non-Forest Stands
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DEPARTMENT OF NATURAL RESOURCES  
 DNR  
 MICHIGAN

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



Roscommon Mgt. Unit

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

Compartment 114 Year of Entry 2011

Report Date: 08/28/2009



	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	10	26	13	0	0	0	0	0	0	0	0	0	0	49
Emergent Wetland	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Coniferous Forest	0	0	0	6	0	0	0	0	57	0	75	0	0	0	0	138
Lowland Deciduous Forest	0	0	0	27	0	0	0	8	0	0	0	0	0	0	0	35
Lowland Shrub	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Mixed Upland Deciduous	0	0	15	25	0	0	0	20	4	0	0	0	0	0	31	96
Natural Pines	0	0	6	30	0	0	0	8	0	0	0	0	0	0	25	68
Oak Types	0	0	0	0	0	0	0	0	14	0	0	0	0	0	49	63
Planted Pines	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	51
Road/Parking Lot	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	10	13	16	0	0	0	4	0	0	0	0	0	12	54
<b>Total</b>	<b>157</b>	<b>0</b>	<b>93</b>	<b>127</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>78</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>0</b>	<b>117</b>	<b>711</b>

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
12 71114012-Cut	24.7	42250 - Pine, Oak	High Density Log	28	Harvest	Shelter Wood with Reserves	Oak, Pine

Rev any combination of hardwoods and pine to a fully stocked stand is acceptable, alternative regeneration is to inter-plant red pine in areas which are below  
Cmnt: minimum stocking, buffer bogs and other wet areas for retention, survey may be required on the west property line

Rev cut all jack pine, aspen, and red maple and mark oak to leave, leave all R/W pine and an oak residual of at least 20 - 30 SF or more, favor white oak and  
Spec: red oak to leave

Next regeneration check  
Steps:

15 71114015-Cut	19.8	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	70	Harvest	Shelter Wood with Reserves	Oak, Pine
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Rev any combination of hardwoods and pine to a fully stocked stand is acceptable, alternative regeneration is to inter-plant red pine in areas which are below  
Cmnt: minimum stocking, buffer bogs and other wet areas for retention, survey may be required on the north property line

Rev cut all jack pine, aspen, and red maple and mark oak to leave, leave all R/W pine and an oak residual of at least 20 - 30 SF or more, favor white oak and  
Spec: red oak to leave

Next Regeneration Check  
Steps:

61 71114061-Cut	14.0	4126 - White, Black, N. Pin Oak	High Density Log	88	Harvest	Shelterwood	Oak, Pine
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Rev no retention due to age of oak, any combination of hardwoods and pine to a fully stocked stand is acceptable, inter-plant red pine if any areas are not  
Cmnt: fully stocked

Rev cut all aspen, jack pine, red maple, pin oak and leave all white oak and R/W pine  
Spec:

Next  
Steps:

**Total Treatment  
Acreage Proposed: 58.5**

**PROPOSED TREATMENTS  
WITH LIMITING FACTORS**



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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

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.