



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 114 ENTRY YEAR: 2011

Compartment Acreage: 710

County: Roscommon

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.

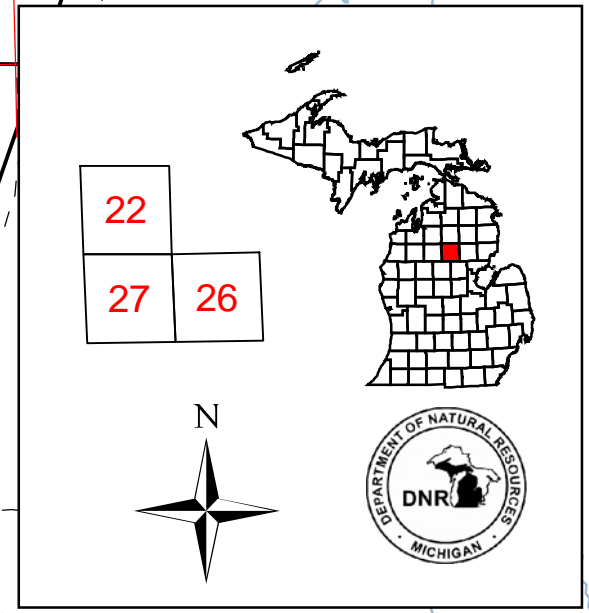
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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

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

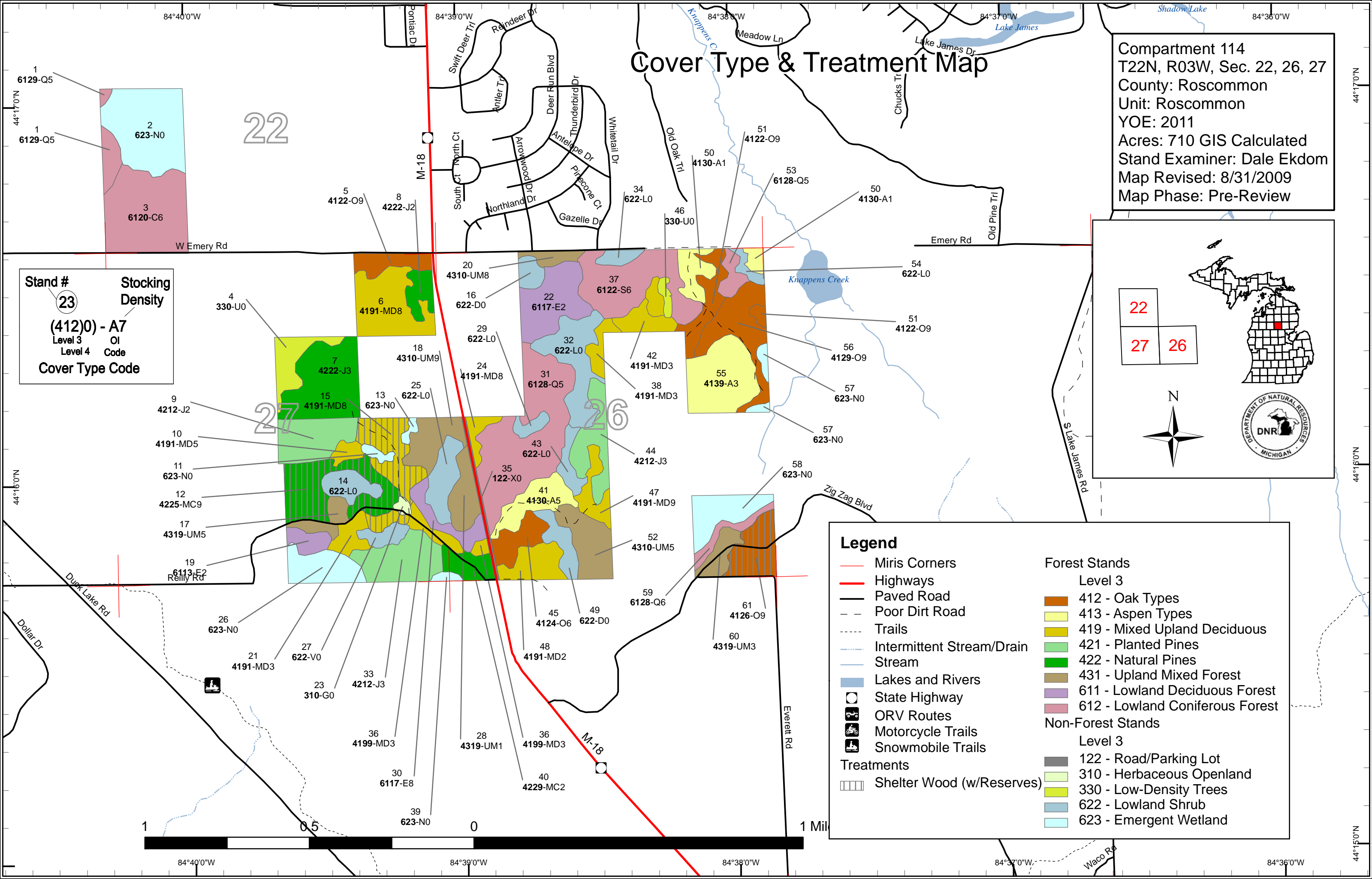
Non-Forest Stands

Level 3

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

Treatments

- Shelter Wood (w/Reserves)



84°40'0"W
 44°17'0"N
 44°16'0"N
 44°15'0"N

84°36'0"W
 84°37'0"W
 84°38'0"W
 84°39'0"W

Stand Boundary Map

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- Forest Stands**
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22 27 26

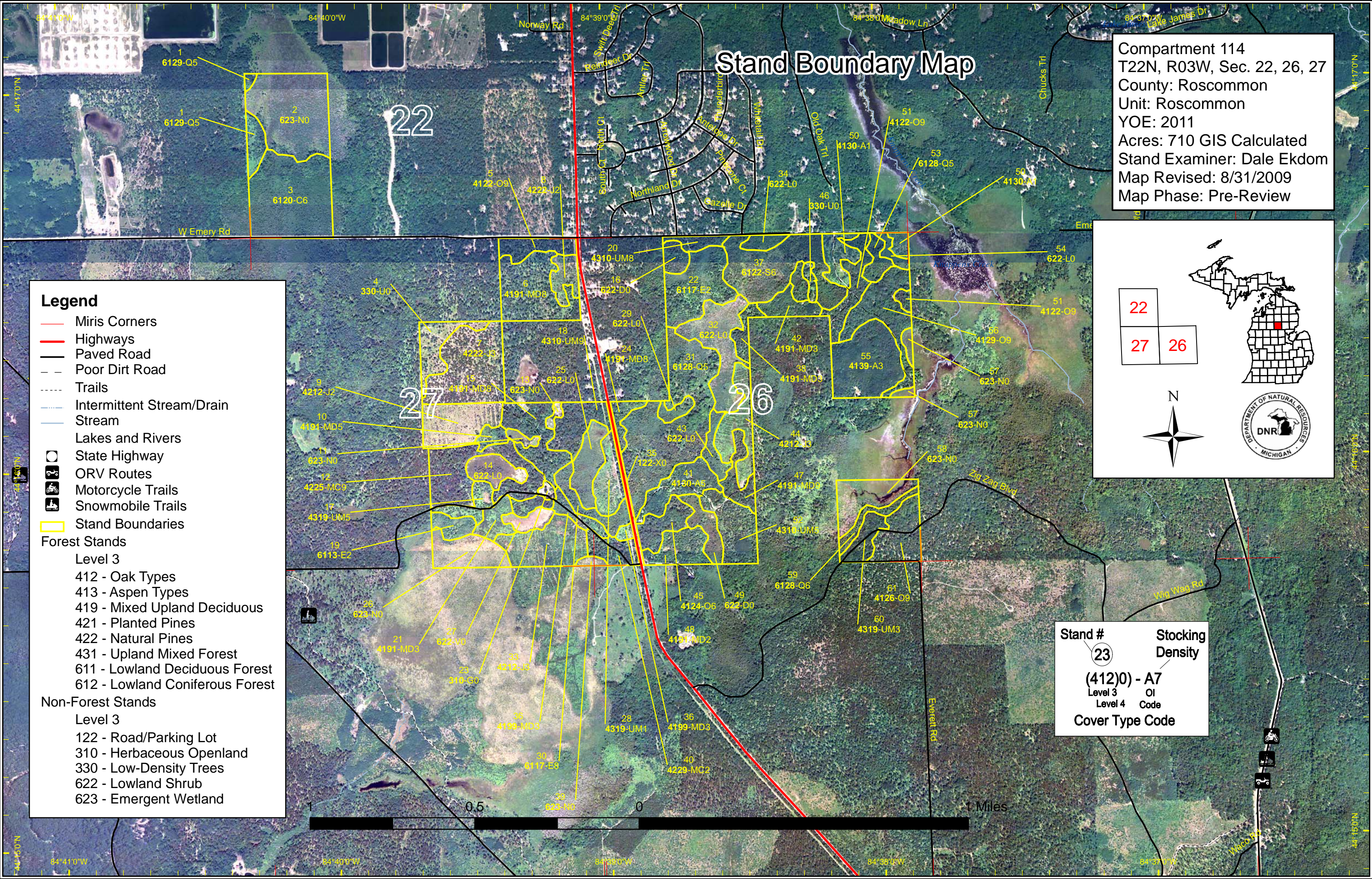
Stand # **23** Stocking Density

(4120) - A7

Level 3 OI

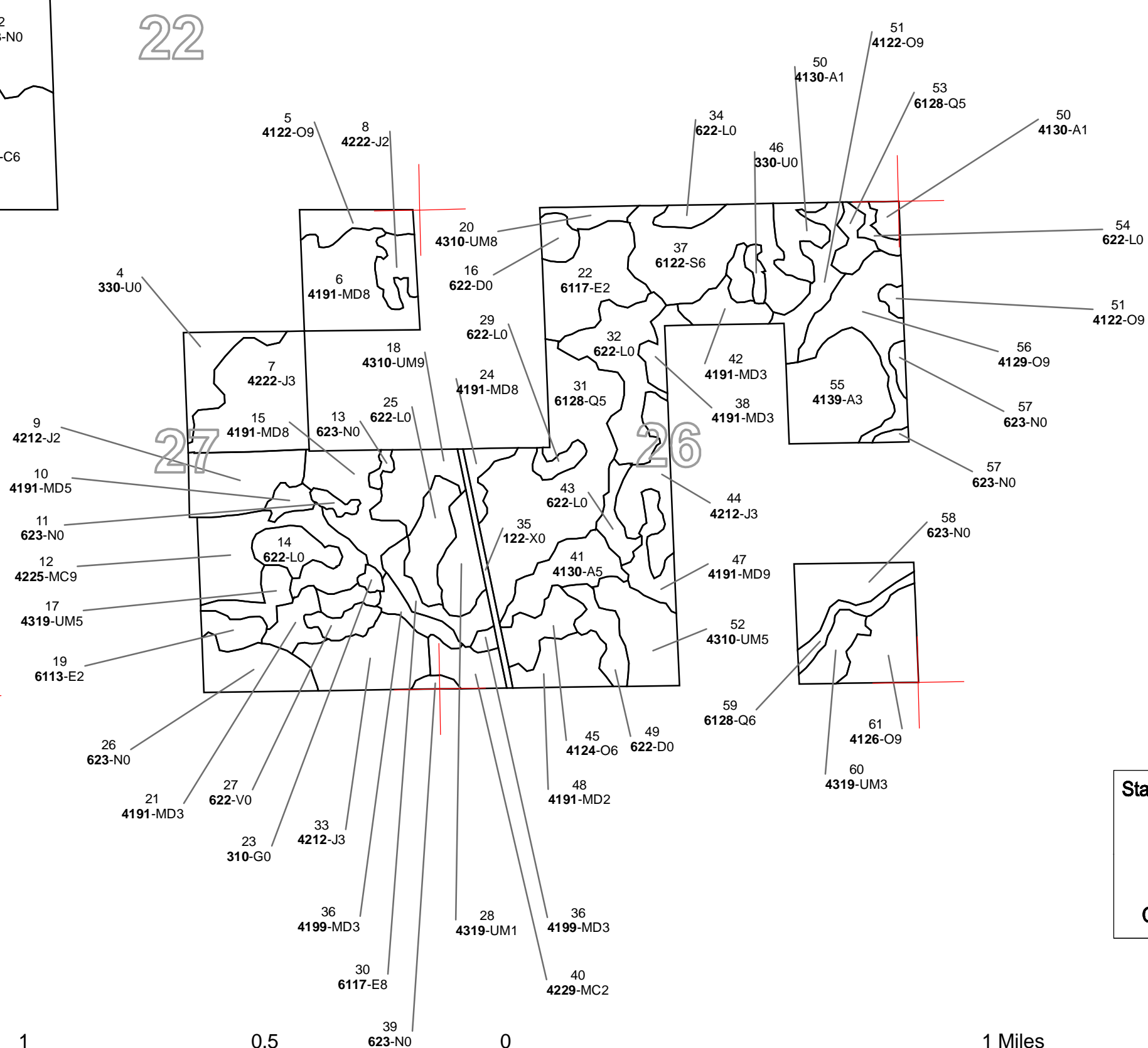
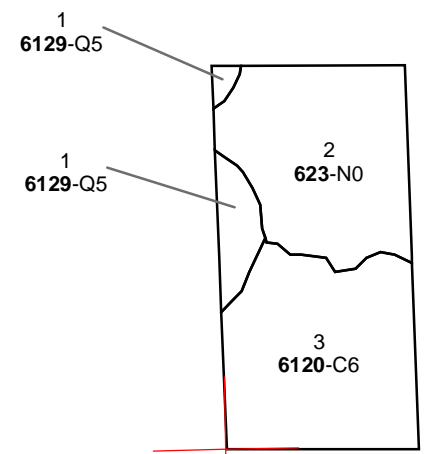
Level 4 Code

Cover Type Code



Dedicated & Proposed Special Conservation Area Map

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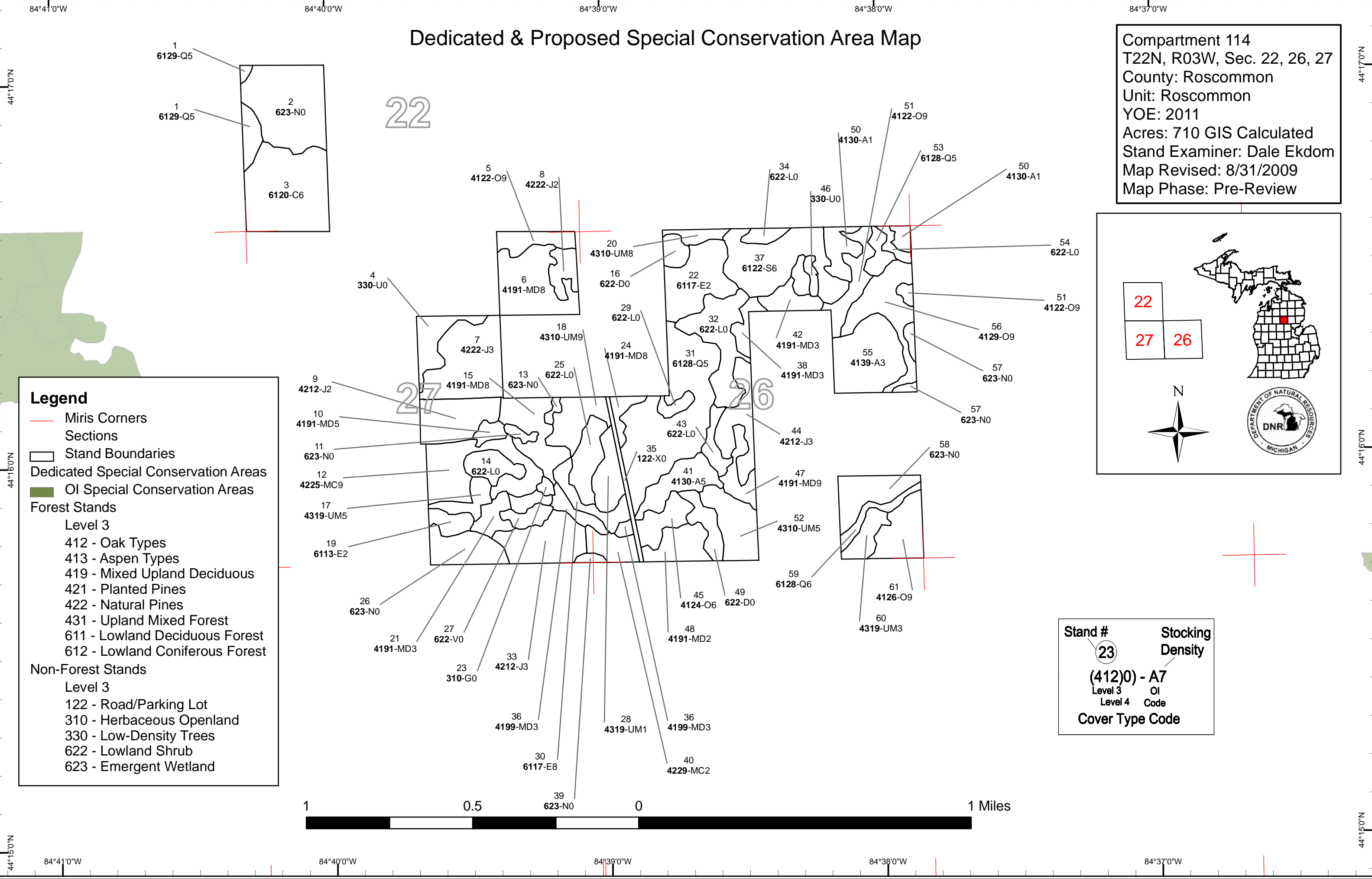


Legend

- 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
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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

Covertime, 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
Total	157	0	93	127	29	0	0	0	35	78	0	75	0	0	117	711

**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**



S
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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

**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.