



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 100 ENTRY YEAR: 2011

Compartment Acreage: 662

County: Roscommon

Revision Date: 3/11/09

Stand Examiner: D. Ekdorn

Legal Description: T22N R02W Sections 1 – 3, 11, and 12

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

Soil and Topography: Terrain is relatively flat with a few lower drainages. Soils are Rubicon sand on the higher ground and Rifle peat in the low, wet drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land in the compartment consists of 3 solid blocks of state land interspersed within private property. There is state land north of the two northerly blocks, but the rest of the compartment is surrounded by private property. Private property in and around the compartment is permanent residences on acreages, seasonal homes on acreages, and non-developed acreages used for recreational purposes.

Unique, Natural Features: Potential for Bald Eagle, Osprey, and Great Blue Heron. Potential for ram's head orchid, calypso orchid, and limestone oak fern in the conifer swamps. Potential for spotted turtle, Blanding's turtle, and Eastern Massasauga. Potential for rare bitterns, yellow rail, black tern, and marsh wren.

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

Special Management Designations or Considerations: Several stands are within the draft Old Growth plan and are designated as Special Conservation Areas (SCA's) and two white pine stands have been proposed as additional SCA's.

Watershed and Fisheries Considerations: Cameron Creek on both state and private property and numerous barrow ponds on private property and wet drainages on state land.

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 400 and 600 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. This Compartment appears to have limited gravel potential. St. Helen Field is

located eight miles to the northeast. 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. There are no leases in the Compartment currently.

Vehicle Access: Vehicle access is poor to non-existent due to terrain, private property, and the presence of the I-75 highway and exit ramps.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: No developed recreational facilities at this time and limited potential for dispersed recreational opportunities due to access problems.

Fire Protection: Poor access for suppression due to terrain and lack of roads but lots of natural and man-made fire breaks.

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

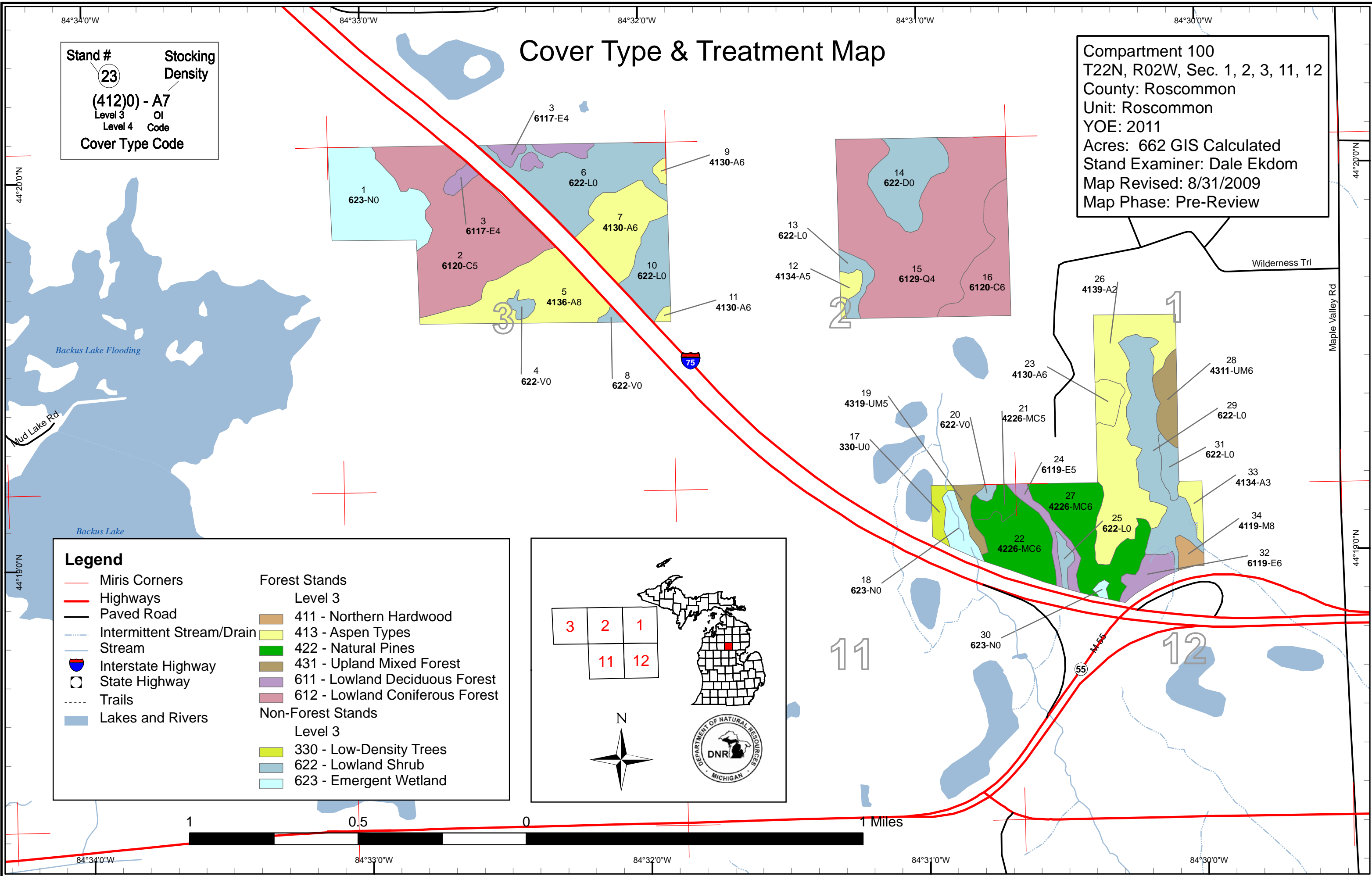
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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

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

Compartment 100
 T22N, R02W, Sec. 1, 2, 3, 11, 12
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 662 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 8/31/2009
 Map Phase: Pre-Review



Legend

- Miris Corners
- Highways
- Paved Road
- Intermittent Stream/Drain
- Stream
- Interstate Highway
- State Highway
- Trails
- Lakes and Rivers

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

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 DNR
 MICHIGAN



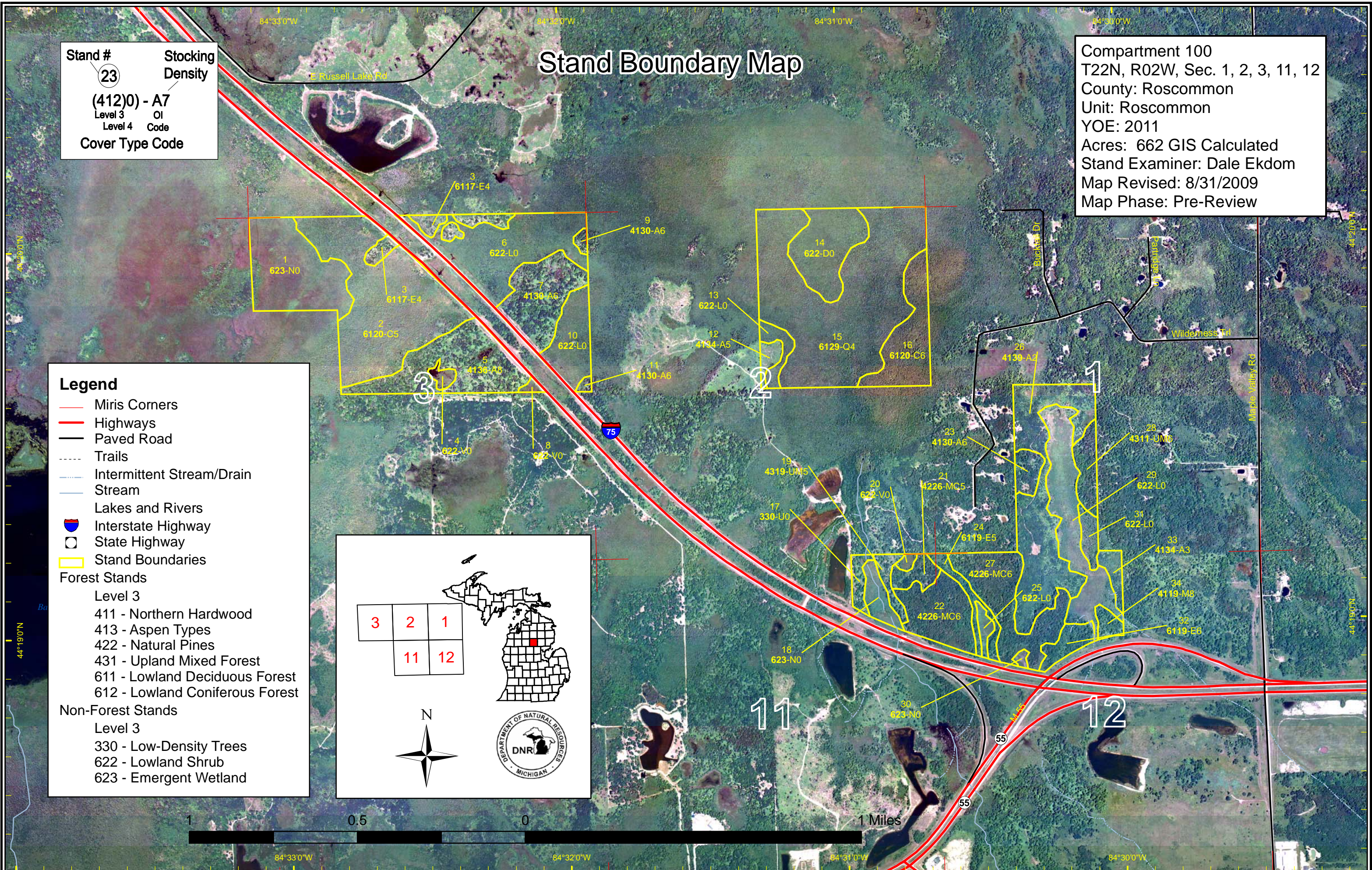
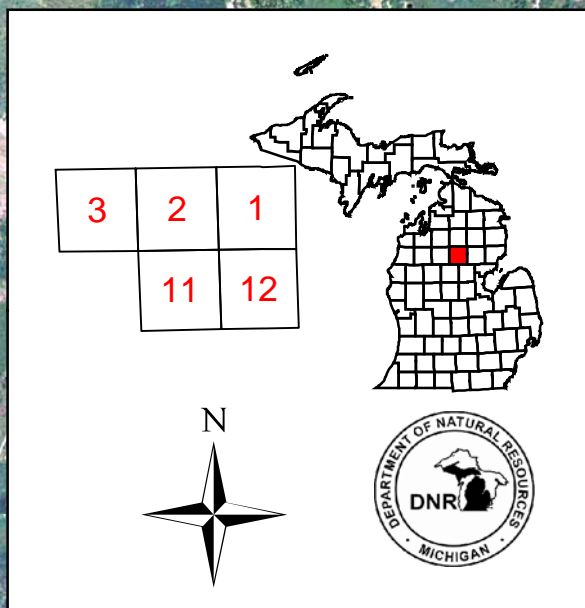
Stand Boundary Map

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

Compartment 100
 T22N, R02W, Sec. 1, 2, 3, 11, 12
 County: Roscommon
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Legend

- Miris Corners
 - Highways
 - Paved Road
 - - - Trails
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Interstate Highway
 - State Highway
 - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
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- Non-Forest Stands**
- Level 3
- 330 - Low-Density Trees
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Dedicated & Proposed Special Conservation Area Map

84°33'0"W 84°32'0"W 84°31'0"W 84°30'0"W

44°20'0"N

44°20'0"N

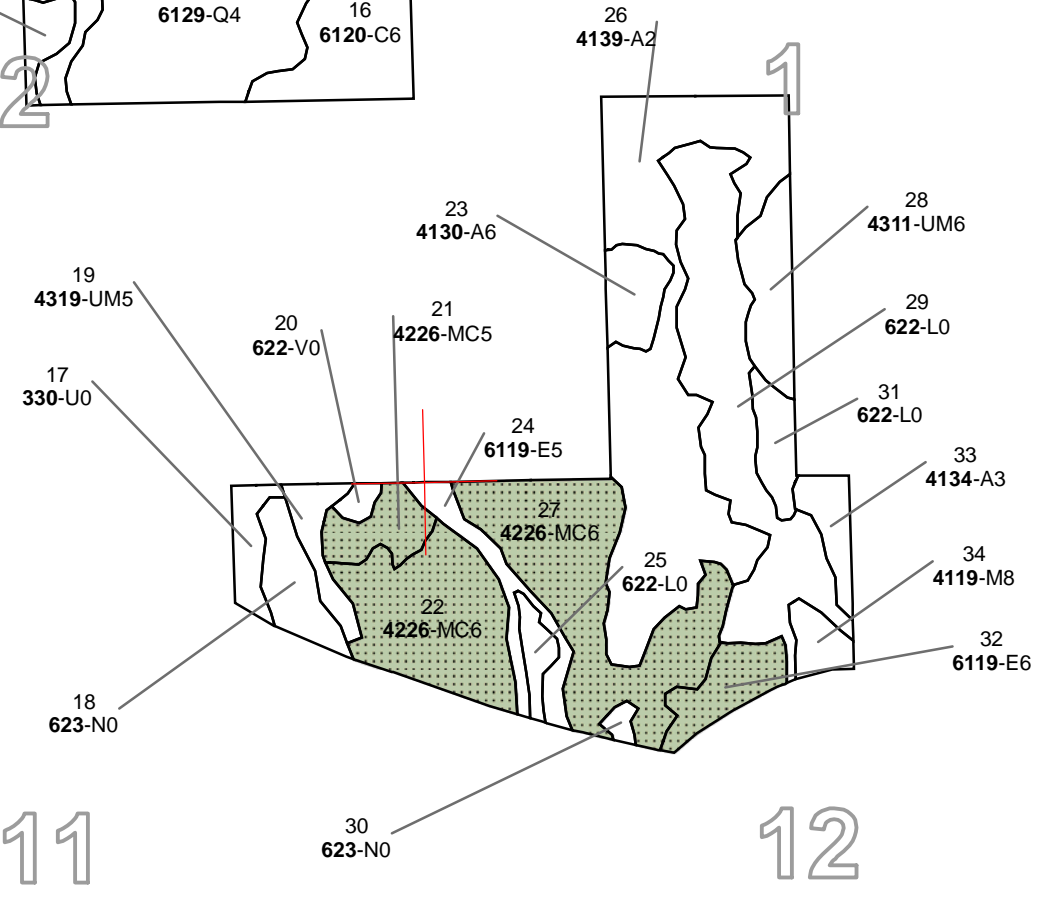
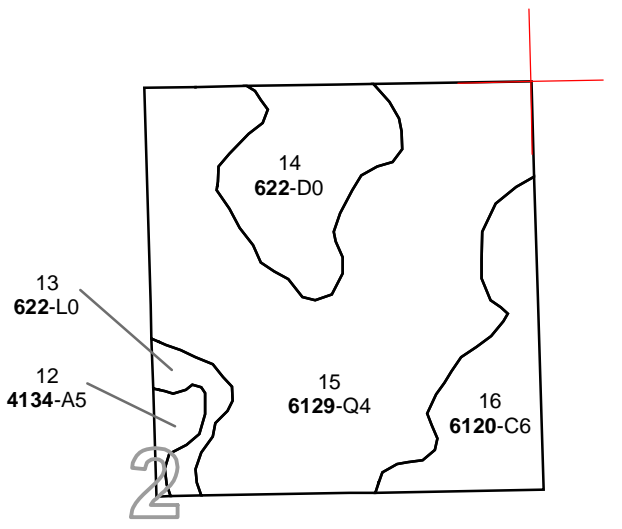
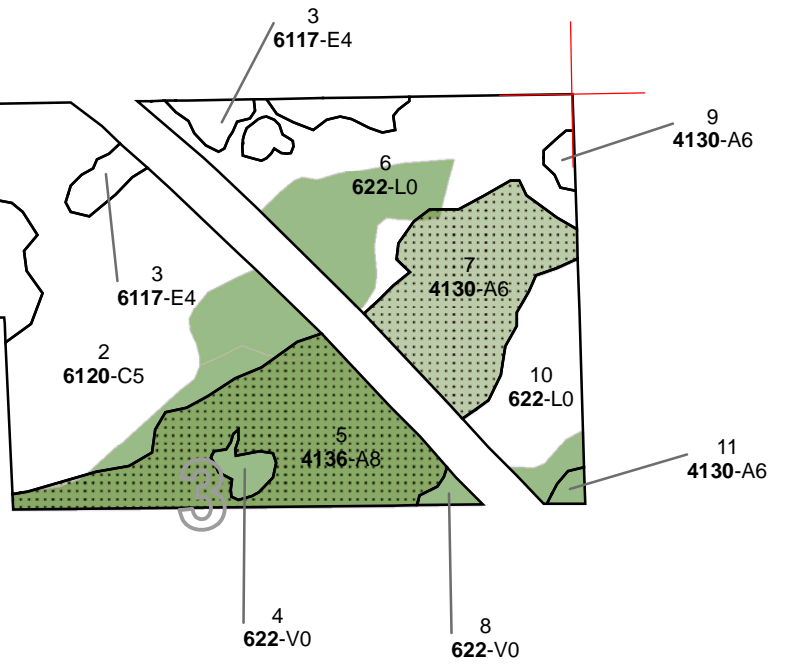
44°19'0"N

44°19'0"N

84°33'0"W 84°32'0"W 84°31'0"W 84°30'0"W

Legend

- Miris Corners
- Stand Boundaries
- Proposed Special Conservation Areas
- Dedicated Special Conservation Areas
- IFMAP Special Conservation Areas
- Potential Old Growth Stands
- Wildlife Management Areas
- Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands
 - Level 3
 - 330 - Low-Density Trees
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Roscommon Mgt. Unit

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

Compartment 100 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	4	59	0	0	6	0	0	0	72	1	0	0	0	0	142
Emergent Wetland	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	0	80	136	0	0	0	216
Lowland Deciduous Forest	0	0	0	0	0	8	0	0	11	7	0	0	0	0	0	26
Lowland Shrub	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
Natural Pines	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	63
Northern Hardwood	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Total	199	4	59	0	0	91	0	0	11	83	81	136	0	0	0	665

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Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 100 Entry Yr: 2011
Date 08/28/2009



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
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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
5	71100005	39.9	stand is POG as designated in the draft old growth plan, no access due to I-75
7	71100007	28.6	stand is POG as designated in the draft old growth plan, no access due to I-75
21	71100021	6.3	no access due to I-75, private property, and wet terrain, SCA conservation values include scenic/visual values on I-75, dry-mesic northern forest dominated by white pine, gap creation and blowdown due to dying aspen, still too young for much vert. and horiz. structure
22	71100022	23.5	no access due to I-75, private property, and wet terrain, SCA conservation values include scenic/visual values on I-75, dry-mesic northern all-aged forest dominated by white pine, gap creation and blowdown due to dying aspen, still too young for much vert. and horiz. structure but there are occasional X-log WP & TA trees, wetter swales are dominated by hardwoods (Oak/RM/QA) which contribute to diversity
27	71100027	33.3	no access due to I-75, private property, and wet terrain, SCA conservation values include scenic/visual values on I-75, dry-mesic northern all-aged forest dominated by white pine, gap creation and blowdown due to dying aspen, still too young for much vert. and horiz. structure but there are occasional X-log WP & TA trees, wetter swales are dominated by hardwoods (Oak/RM/QA) which contribute to diversity
32	71100032	7.4	no access due to I-75 ramp and wet terrain, SCA conservation values are large amount of diversity due to mixed terrain and intermittent stream with associated wetlands in part of the stand, scenic/visual values on I-75, some vert. and horiz. structure developing due to blowdowns, etc.



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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.