



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 147 ENTRY YEAR: 2011

Compartment Acreage:

County: Roscommon

Revision Date: 11-03-2008

Stand Examiner: J. Hartman

Legal Description: T23N R1W sections 1, 12, 13, 24

Management Goals: Thin overstocked pine stands and regenerate some aspen for habitat and age distributions.

Soil and Topography: Soils are composed Croswell, Grayling, Dawson, and isolated areas of Tawas and Kinross. Kotar types are PArVHa and PArVHa/PVCD transition in the uplands and PArVCo in the lowlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The parcel in the northwest corner is part of Wraco Lodge which is currently in the process of being acquired. This acquisition will completely block in state ownership in this township. The 80 acre parcel in section 14 should be lumped in with this compartment.

Unique, Natural Features: Secretive locust identified within two locations in the compartment. Potential for northern goshawk, massasauga, spotted turtle, and Blanding's turtle in wetlands and nearby uplands. Potential for rare wetland birds such as the American and least bittern, yellow rail, black tern, and marsh wren. Potential for dusted skipper, grizzled skipper and red legged spittlebug in grassy openings and young jack pine.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: No SCA's, HCVA's, or ERA's are present in the compartment at this time, but there is a fairly large intermix of stands designated as an SCA about 1 mile to the west around Grass Lake. The whole compartment may be included in a Biodiversity Stewardship Area.

Watershed and Fisheries Considerations: There aren't any flowing surface waters. Groundwater and lowland stands flow to Wolf Creek drainage on the north side of the compartment and Townline Creek drainage on the south side.

Wildlife Habitat Considerations: This compartment is somewhat secluded and surrounded by state ownership. Wildlife species requiring less fragmentation could do well in this area. Conserve habitat connectivity.

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 is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. Gravel pits are not located in the area and potential appears to be limited. Headquarters Field is located just to the southeast. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. This Compartment was leased in May 2008 for oil and gas development.

Vehicle Access: Grass Lake Rd, Tillman Rd, and Rollways Rd are the county roads within the compartment. These roads are not plowed. The snowmobile trail, ORV trail, and various two-tracks provide the rest of the access.

Survey Needs: None needed at this time.

Recreational Facilities and Opportunities: Snowmobile Trail #6 and the Denton Creek ORV trail both pass through the compartment. The loop for the Denton Creek trail intersects the north and south end.

Fire Protection: Difficult to access areas could promote large fire growth. The best water point would be the Wolf Creek Bridge over Old 27.

Additional Compartment Information:

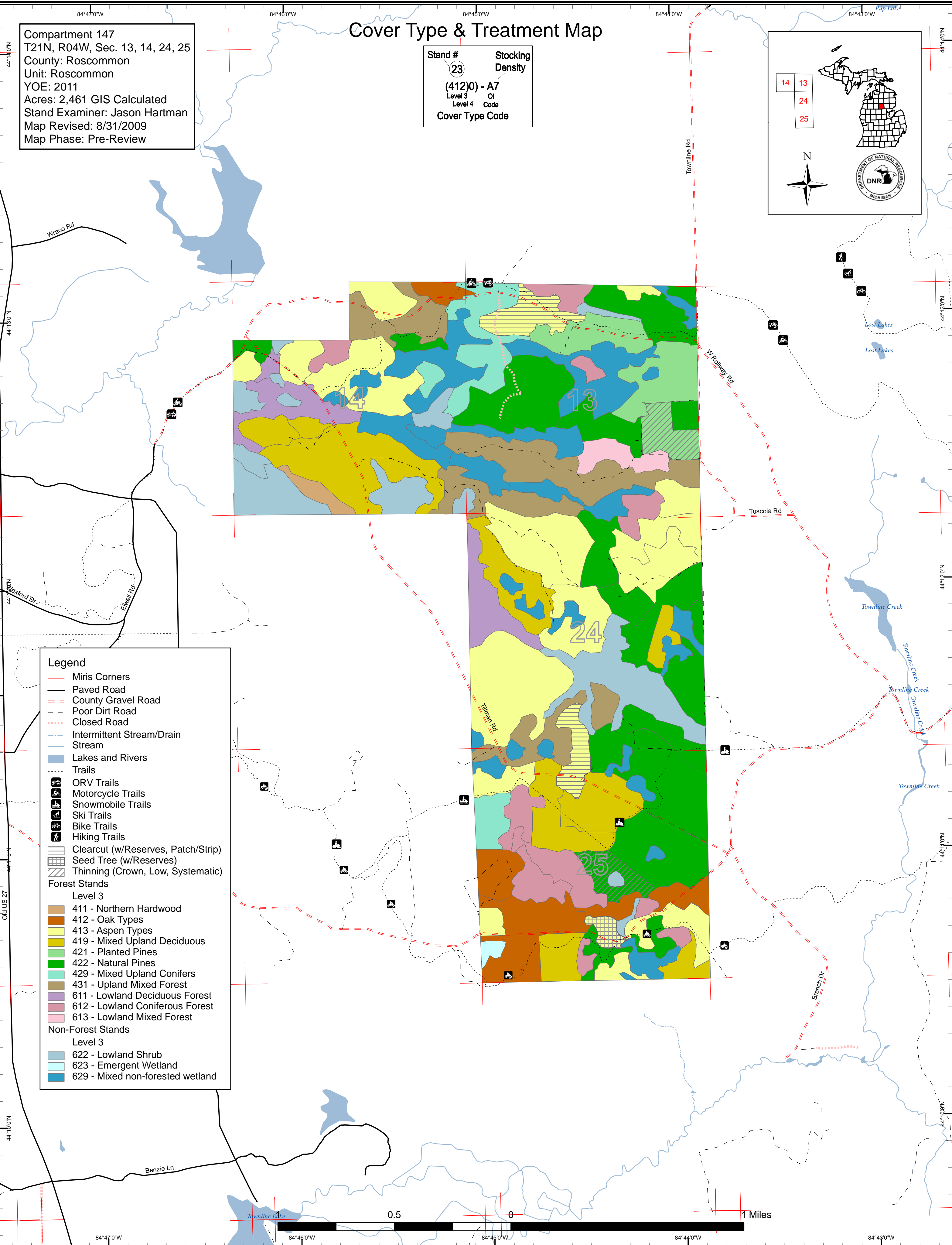
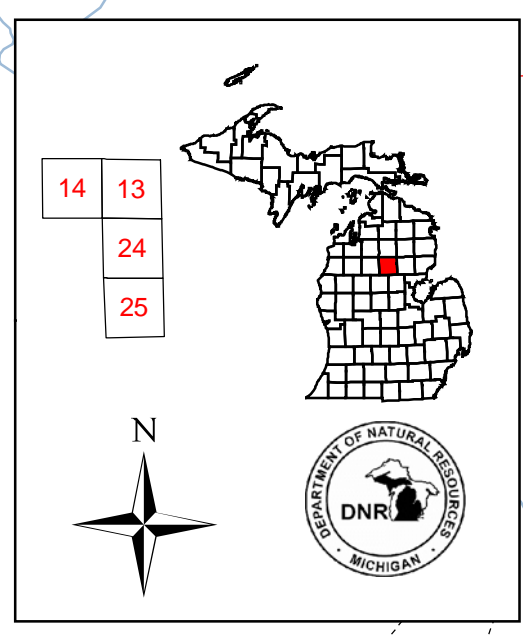
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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 147
 T21N, R04W, Sec. 13, 14, 24, 25
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 2,461 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/31/2009
 Map Phase: Pre-Review

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

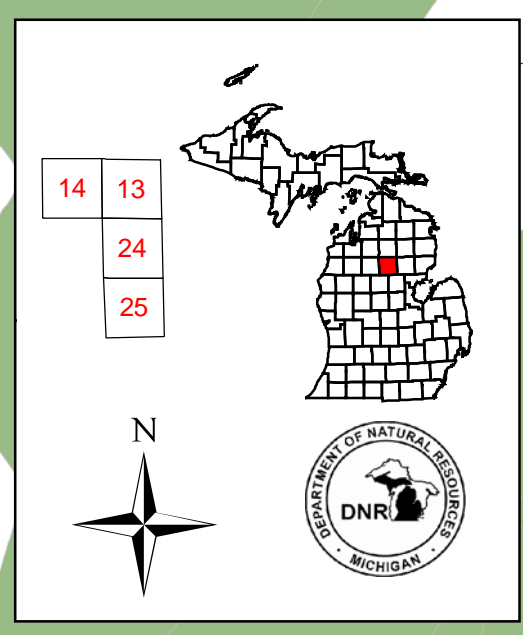


- Legend**
- Miris Corners
 - Paved Road
 - - - County Gravel Road
 - - - Poor Dirt Road
 - Closed Road
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Trails
 - ORV Trails
 - Motorcycle Trails
 - Snowmobile Trails
 - Ski Trails
 - Bike Trails
 - Hiking Trails
 - Clearcut (w/Reserves, Patch/Strip)
 - Seed Tree (w/Reserves)
 - Thinning (Crown, Low, Systematic)
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland

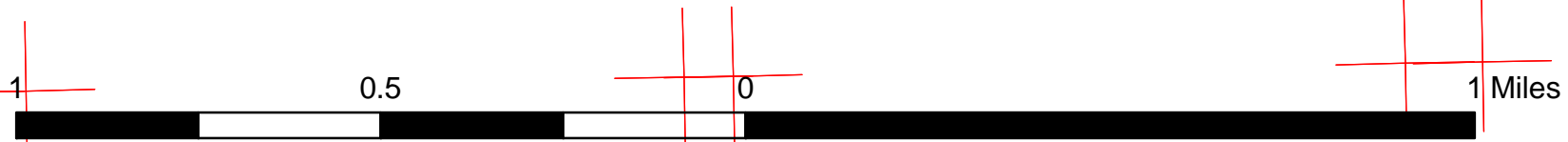
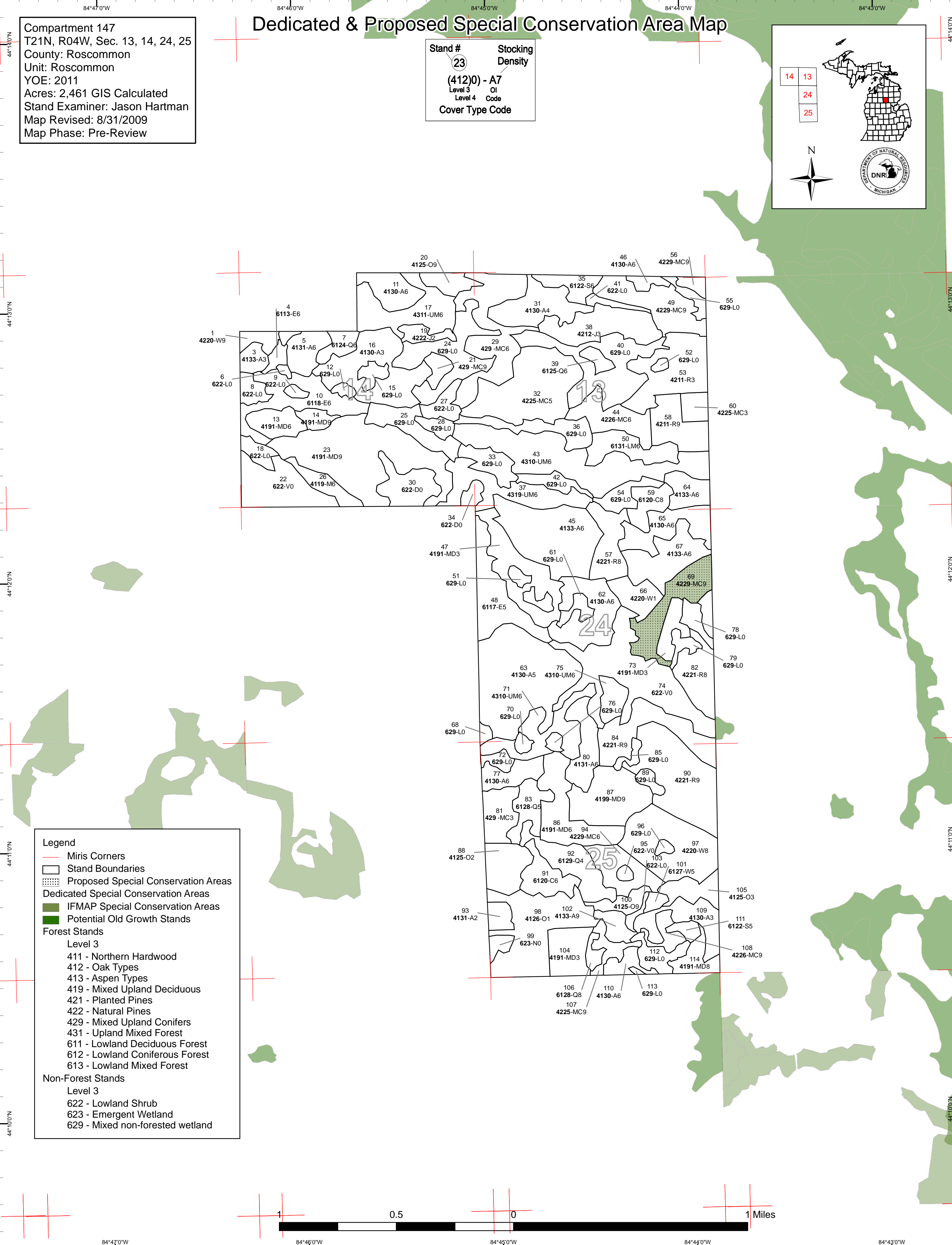
Dedicated & Proposed Special Conservation Area Map

Compartment 147
 T21N, R04W, Sec. 13, 14, 24, 25
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 2,461 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/31/2009
 Map Phase: Pre-Review

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



- Legend**
- Miris Corners
 - Stand Boundaries
 - ▨ Proposed Special Conservation Areas
 - ▩ Dedicated Special Conservation Areas
 - IFMAP Special Conservation Areas
 - Potential Old Growth Stands
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers
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Roscommon Mgt. Unit

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

Compartment 147 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	8	33	53	304	67	0	22	9	0	0	0	0	0	0	497
Emergent Wetland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Coniferous Forest	0	0	0	0	0	0	4	34	0	75	10	0	0	0	0	122
Lowland Deciduous Forest	0	0	0	0	0	38	0	0	5	0	38	0	0	0	0	81
Lowland Mixed Forest	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	23
Lowland Shrub	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187
Mixed non-forested wetland	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260
Mixed Upland Conifers	0	0	20	0	0	0	0	63	0	0	0	0	0	0	0	82
Mixed Upland Deciduous	0	0	74	0	0	153	0	0	0	42	20	0	0	0	0	288
Natural Pines	0	0	9	76	26	0	0	277	64	0	9	7	0	0	0	468
Northern Hardwood	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Oak Types	0	63	38	0	0	0	0	0	0	0	20	0	0	0	0	121
Planted Pines	0	0	46	37	0	0	0	27	0	0	0	0	0	0	0	110
Upland Mixed Forest	0	0	0	0	116	88	0	0	0	0	0	0	0	0	0	204
Total	452	70	219	167	446	369	4	435	78	116	97	7	0	0	0	2461

**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
31 71147031-Cut	31.9	4130 - Aspen	Low Density Pole	40	Harvest	Clearcut with Reserves	Aspen

Rev
Cmnt: Good landing site in SW part of stand.

Rev
Spec: Clearcut with reserves, used to balance aspen age classes. Mark large oak for mast and windfirm pine for retention.

Next
Steps:

58 71147058-Cut	26.7	42110 - Planted Red Pine	High Density Log	60	Harvest	Crown Thinning	Planted Red Pine, Mixed Deciduous
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Rev
Cmnt: Nice oak development in understory.

Rev
Spec: Thin from below to 90 -100 sq. ft. Leave large crowned oak. Protect edges from windthrow leave BA higher around perimeter, leave peninsula to NW out of red line. Consider CWD and snag creation.

Next
Steps:

80 71147080-Cut	22.4	4131 - Aspen, Oak	High Density Pole	68	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev
Cmnt:

Rev
Spec: Clear-cut with reserves. Mark oak and pine to leave and manage for aspen regeneration.

Next
Steps:

94 71147094-Cut	23.2	42290 - Natural Mixed Pine	High Density Pole	65	Harvest	Crown Thinning	Natural Pine, Mixed Deciduous
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Rev
Cmnt:

Rev
Spec: Jack pine and aspen are falling apart at the north end. Some bigtooth at the south end. Thin for wp, rp, oak. Spec cut aspen, rm, and jp.

Next
Steps:

102 71147102-Cut	9.4	4133 - Aspen, Mixed Pine	High Density Log	73	Harvest	Seed Tree with Reserves	Aspen
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Rev
Cmnt:

Rev
Spec: Mixed stand that could be managed for aspen, but leave long-term seed source for pine and oak. Seed tree w/ reserves. Mark oak mast trees and large crowned and windfirm pine trees to leave.

Next
Steps:

**Total Treatment
Acreage Proposed: 113.6**

**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

**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
69	71147069	33.6	



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	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.