



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 74 ENTRY YEAR: 2011

Compartment Acreage:

County: Roscommon

Revision Date: 11-03-2008

Stand Examiner: J. Hartman

Legal Description: T23N R4W sections 5, 8, 16, 17

Management Goals:

Soil and Topography: Soils are composed of Rifle peat. The terrain is level throughout.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Solid state land completely surrounded by state ownership.

Unique, Natural Features: Some osprey and great blue heron nests are located within this compartment. Numerous hits for natural features exist in the compartment to the west.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: The north part of the compartment contains a portion of the Deadstream Swamp. The boundary for this dedication needs to be verified. Records indicate a special habitat corridor designated along the southwest part of the compartment bordering the Muskegon River.

Watershed and Fisheries Considerations: Numerous wetlands throughout the compartment feed the Deadstream tributary and Muskegon River.

Wildlife Habitat Considerations: Maintain large non-forested wetland areas and maintain habitat connectivity.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. There is limited gravel potential in this Compartment. Enterprise Field is located one mile to the southwest. The field has produced over 4.7 million BO and 2.3 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. There are no leases in the Compartment currently, but Section 5 is part of a large Nonmetallic Potash nomination.

Vehicle Access: There is little vehicle access. The compartment is best accessible by boat or snowmobile.

Survey Needs: None needed at this time.

Recreational Facilities and Opportunities: The snowmobile trail runs through the south end of the compartment.

Fire Protection: Little vehicle access and wet terrain could make large fire growth possible.

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 74
 T24N, R03W, Sec. 5, 8, 16, 17
 County: Roscommon
 Unit: Roscommon
 YOY: 2011
 Acres: 2,333 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/28/2009
 Map Phase: Pre-Review

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

Legend

- Miris Corners
- Highways
- County Paved Road
- Paved Road
- Poor Dirt Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Trails
- US Highway
- Snowmobile Trails

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

Forest Stands

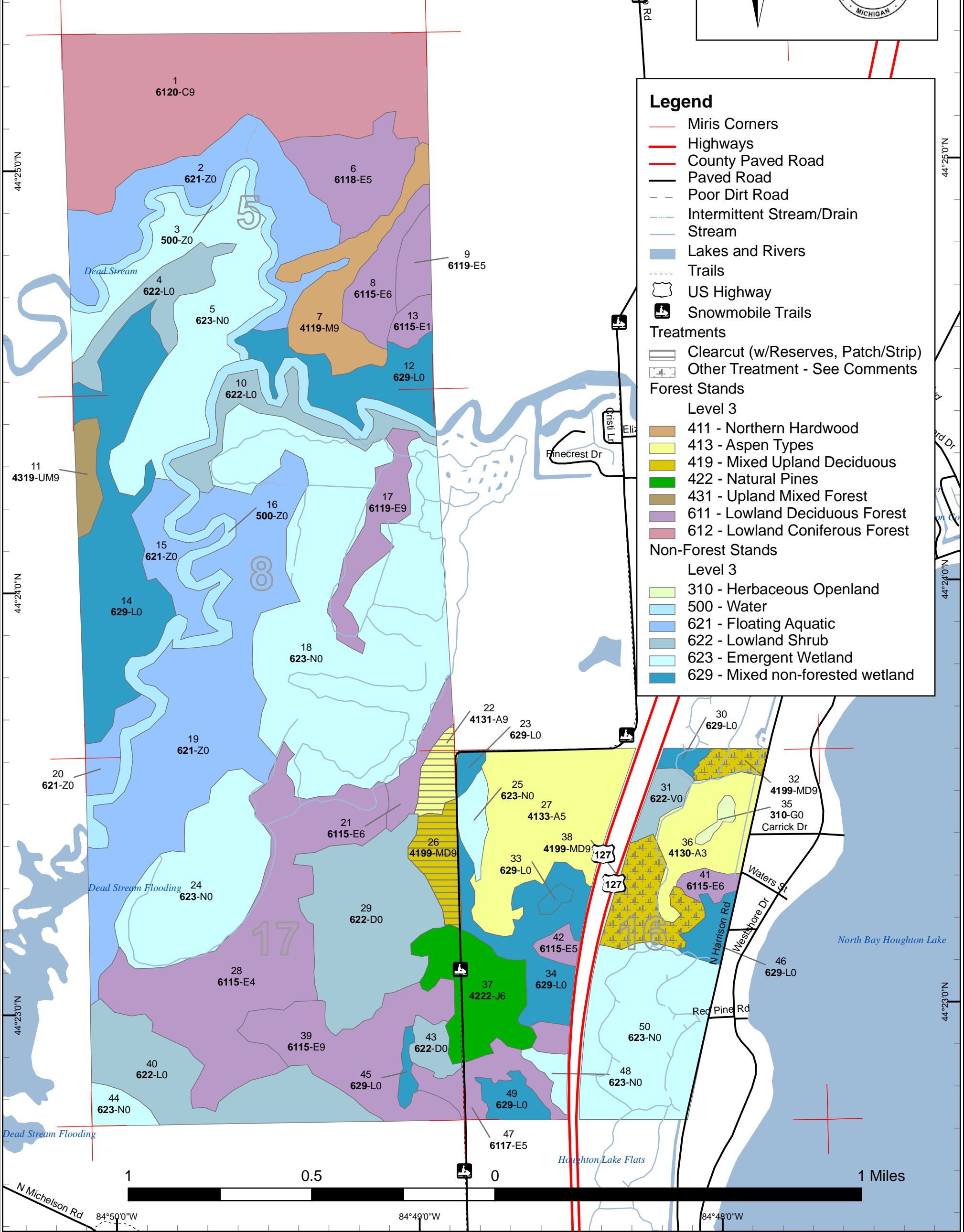
Level 3

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

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 621 - Floating Aquatic
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



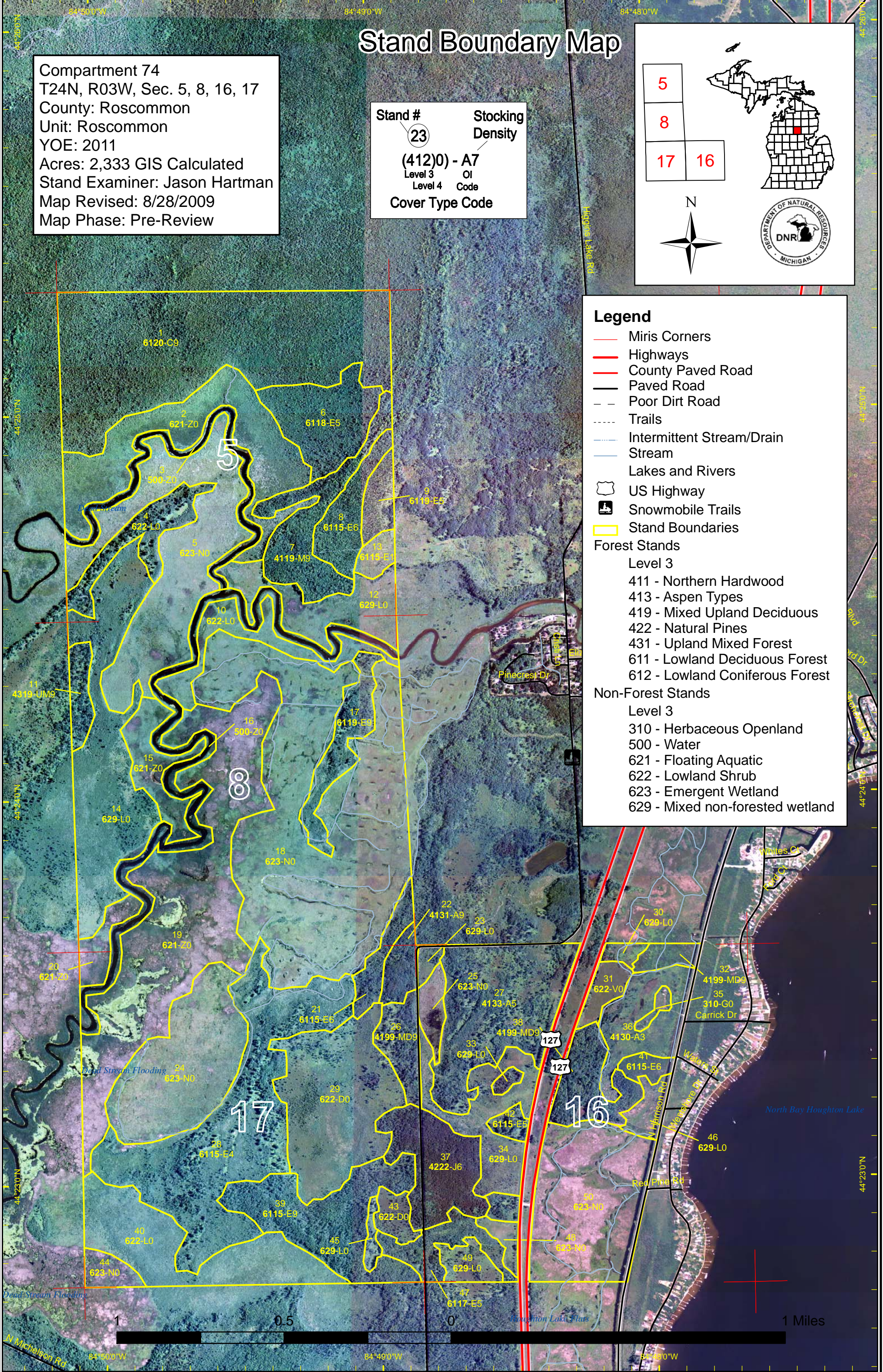
Stand Boundary Map

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Dedicated & Proposed Special Conservation Area Map

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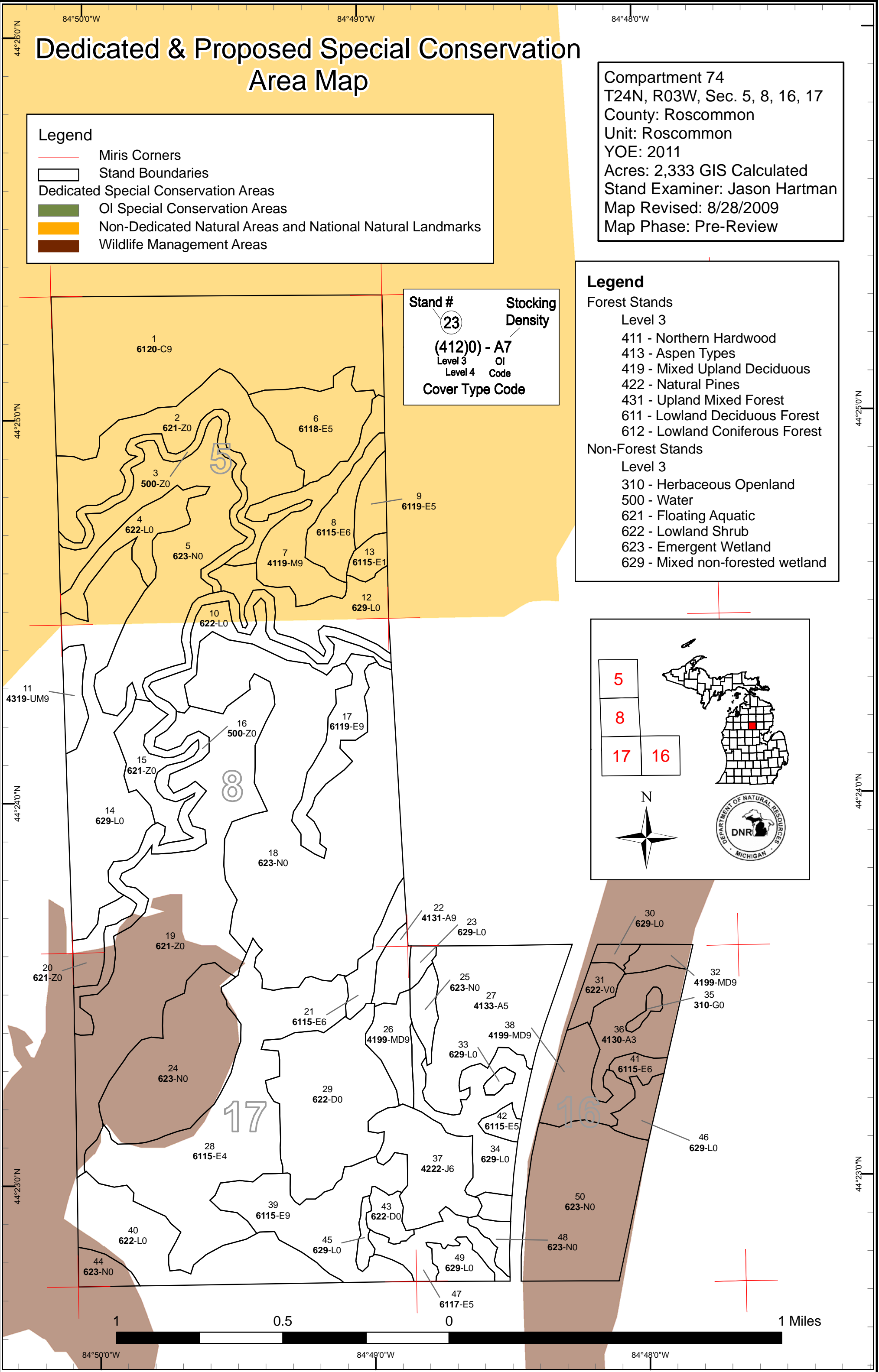
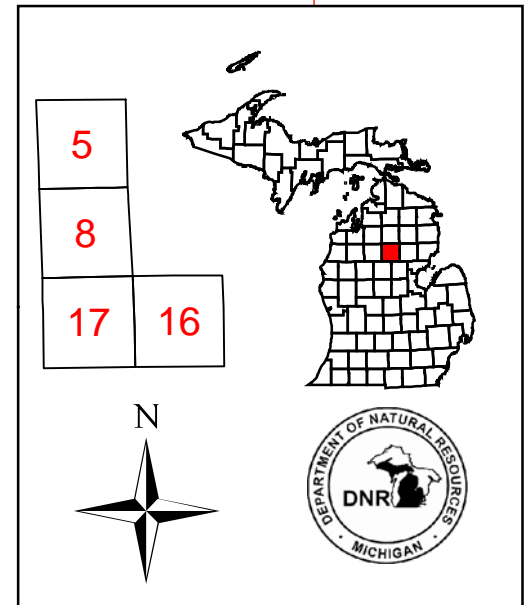
Legend

-  Miris Corners
-  Stand Boundaries
- Dedicated Special Conservation Areas**
-  OI Special Conservation Areas
-  Non-Dedicated Natural Areas and National Natural Landmarks
-  Wildlife Management Areas

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84°50'0"W 84°49'0"W 84°48'0"W

44°26'0"N
44°25'0"N
44°24'0"N
44°23'0"N

84°50'0"W 84°49'0"W 84°48'0"W

Roscommon Mgt. Unit

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

Compartment 074 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	38	0	0	0	0	89	12	0	0	0	0	0	0	0	138
Emergent Wetland	579	0	0	0	0	0	0	0	0	0	0	0	0	0	0	579
Floating Aquatic	305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	0	0	204	0	0	0	204
Lowland Deciduous Forest	0	8	0	0	0	0	22	0	0	96	7	258	0	0	0	391
Lowland Shrub	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240
Mixed non-forested wetland	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226
Mixed Upland Deciduous	0	0	0	0	0	0	0	30	0	28	0	0	0	0	0	58
Natural Pines	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	47
Northern Hardwood	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	44
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12
Water	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Total	1439	45	0	0	0	0	158	42	0	168	7	270	204	0	0	2333

**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
22 71074022-Cut	12.0	4131 - Aspen, Oak	High Density Log	68	Harvest	Clearcut with Reserves	Aspen, Oak

Rev
Cmnt: No trucking during snowmobile season.

Rev
Spec: Clear-cut w/ reserves. Mark large mast trees and den trees to leave in clumps with overall residual BA ranging from 10-20 sq ft.

Next
Steps:

26 71074026-Cut	19.4	4199 - Other Mixed Upland Deciduous	High Density Log	85	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev
Cmnt:

Rev High risk oak and multiple aged aspen with some wet pockets. Would mark oak and birch to leave and do a summer cut due to snowmobile trail.
Spec: Possible to get some birch regen here, but aspen/oak would be the management objective. Hummocky in spots. Low priority.

Next
Steps:

38 71074038-NonFor	30.1	4199 - Other Mixed Upland Deciduous		68	Non-Forest Management	Other - Specify	Other Mixed Upland Deciduous
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Rev
Cmnt: Has a good component of healthy oak and birch poles and aspen of a couple age classes. Some hummocky spots toward the center. As aspen continues to senesce all aged structure will continue to develop.

Rev
Spec: Continue to girdle trees along the perimeter of this stand and fell some in order to open the area up around the snags for nesting habitat

Next
Steps:

32 71074032-Other	8.6	4199 - Other Mixed Upland Deciduous		85	Other	Unspecified	Other Mixed Upland Deciduous
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Rev
Cmnt: Tiny stand along Old 27 with some very old aspen. Has a pocket of upland jack pine on the west edge.

Rev
Spec: WLD division may do some girdling in this stand along with the stand to the southwest.

Next
Steps:

**Total Treatment
Acreage Proposed: 70.0**

**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
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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	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.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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.