



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 44 ENTRY YEAR: 2011

Compartment Acreage: 1188 County: Roscommon

Revision Date: 7-21-2009

Stand Examiner: Jason Lewicki

Legal Description: T24N R01W Sections 30 & 31

RMU (if applicable):N/A

Management Goals: To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

Soil and Topography: Upland soils are a mix of grayling and Graycalm sands. Lowland areas are a mix of Lupton Mucks. Topography is generally flat except for a large hill that found in the NW corner of Section 30.

Ownership Patterns, Development, and Land Use in and Around the Compartment: All but 80 acres of this compartment are under state ownership. There are some private residences and one large hunt club to the east along the AuSable River.

Unique, Natural Features: None known.

Archeological, Historical, and Cultural Features: There is a foundation of a former homestead located in stand 21.

Special Management Designations or Considerations: None known

Watershed and Fisheries Considerations: The east branch of the AuSable River lies just to the east of this compartment. Care must be taken when performing any management activities to protect and leave vegetative buffers and prevent any soil erosion into the river.

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species.

Mineral Resource and Development Concerns and/or Restrictions: Sections 30 & 31, T24N-R1W, Roscommon County.

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation, Marshall Sandstone and Coldwater Shale. The Michigan is quarried for gypsum and the Marshall was previously used as a building stone in other areas of the State. Most of the good gravel pits are associated with upland areas. Pits are located in the area and potential is good on the uplands. Part of St. Helen Field is located in Section 30 and to the east of the Compartment. 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. About one-half of the State lands in the Compartment are leased at this time.

Vehicle Access: Vehicle access is very good throughout much of the compartment.

Survey Needs: None

Recreational Facilities and Opportunities: Good vehicle access provides excellent hunting opportunities. The snowmobile and ORV trails run through this compartment.

Fire Protection: Excellent road network provides good access to Fire protection. Jack pine cover types within the compartment could cause a threat for wildfires.

Additional Compartment Information:

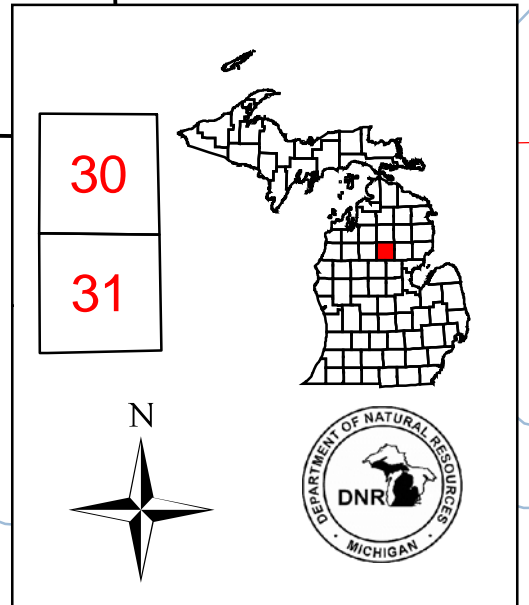
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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

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

Compartment 44
 T24N, R01W, Sec. 30, 31
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 1,188 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/26/2009
 Map Phase: Pre-Review



Legend

- Miris Corners
- Paved Road
- Poor Dirt Road
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ORV Trails
- ORV Routes
- MCCCT Trails
- Snowmobile Trails

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)

Forest Stands

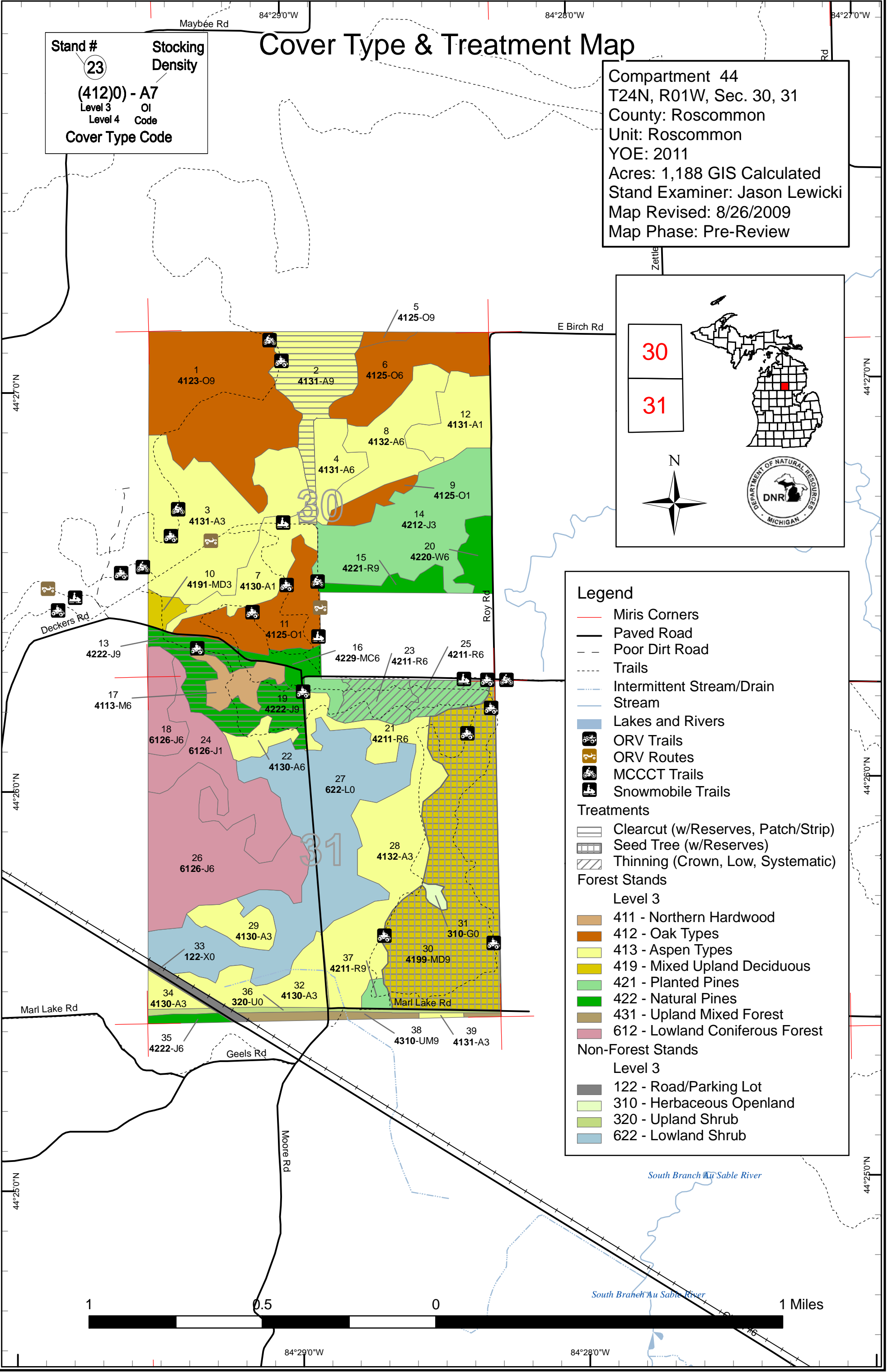
Level 3

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

Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub



Stand Boundary Map

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

Compartment 44
 T24N, R01W, Sec. 30, 31
 County: Roscommon
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30
31

N

Legend

- Miris Corners
- Paved Road
- Poor Dirt Road
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ORV Trails
- ORV Routes
- MCCCT Trails
- Snowmobile Trails
- Stand Boundaries

Forest Stands

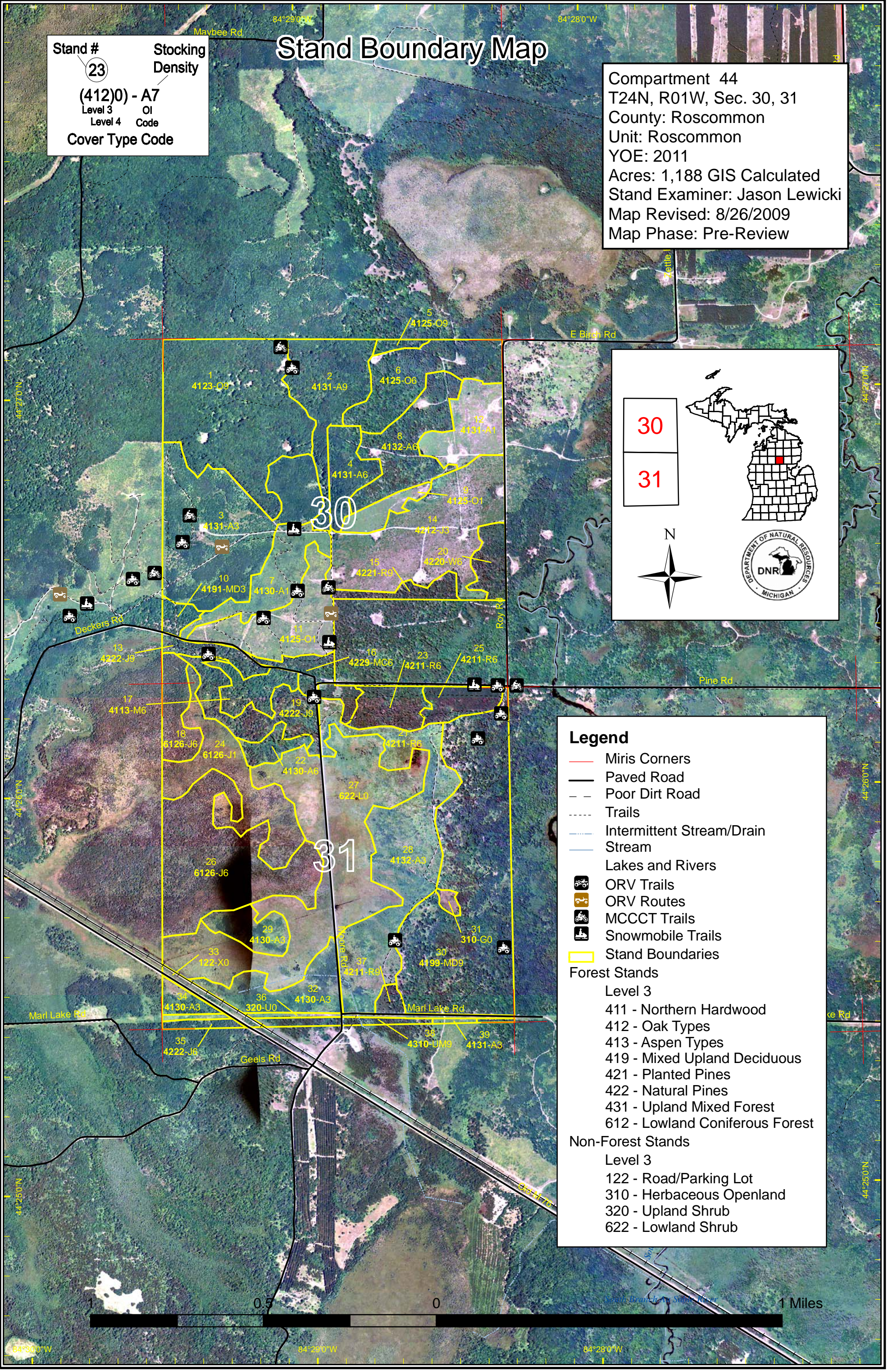
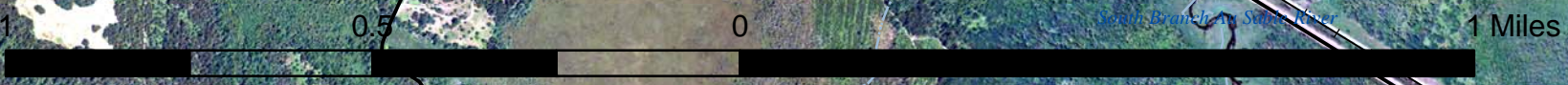
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Non-Forest Stands

Level 3

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84°29'0"W

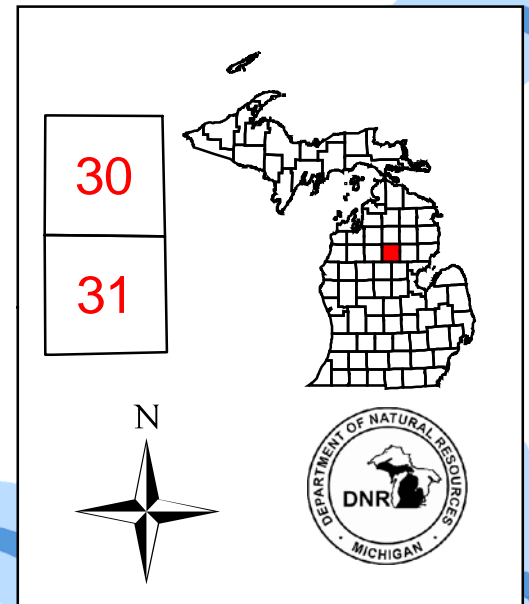
84°28'0"W

84°27'0"W

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

Dedicated & Proposed Special Conservation Area Map

Compartment 44
 T24N, R01W, Sec. 30, 31
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 1,188 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/26/2009
 Map Phase: Pre-Review



44°27'0"N

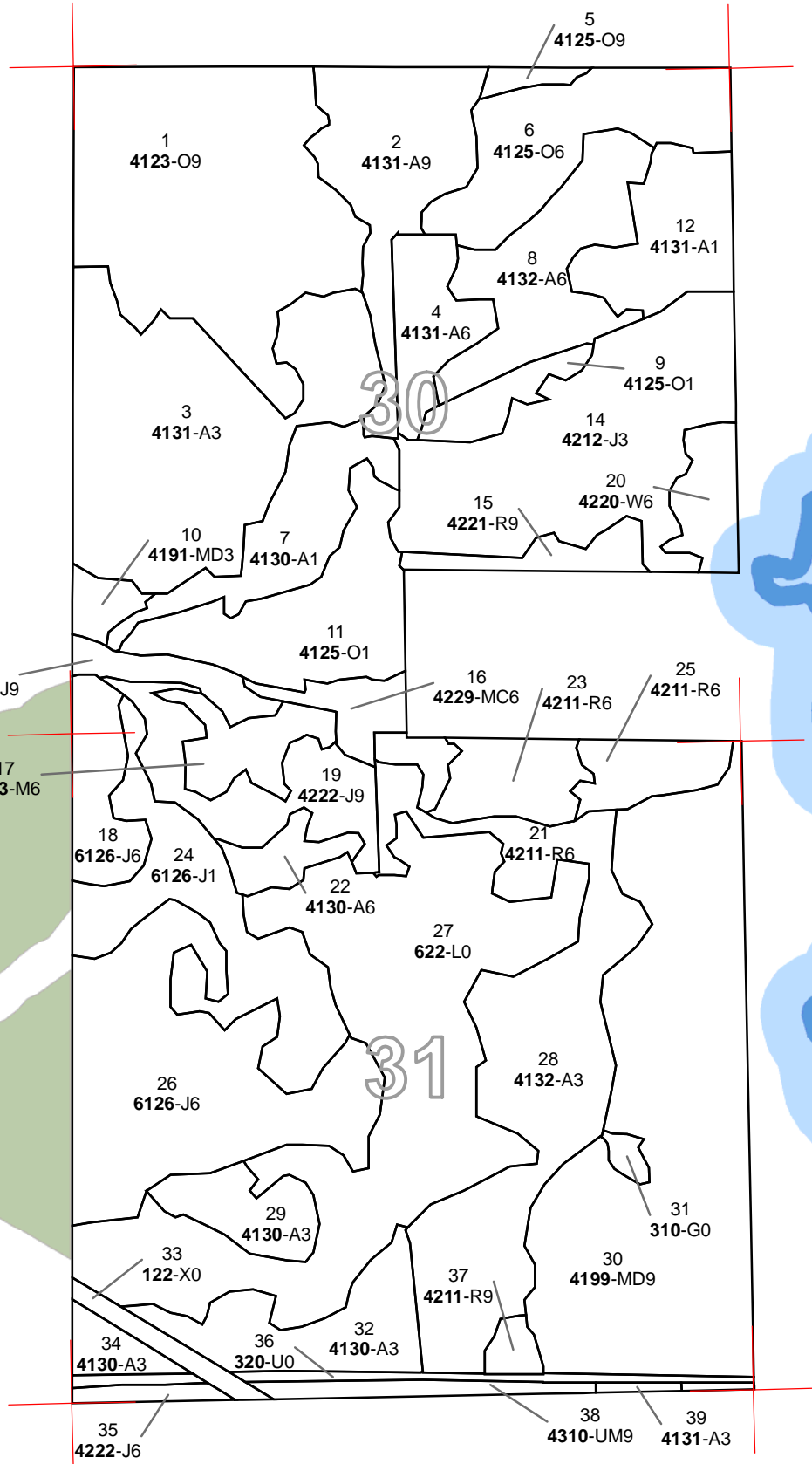
44°27'0"N

44°26'0"N

44°26'0"N

44°25'0"N

44°25'0"N



Legend

- Miris Corners
- Stand Boundaries
- Dedicated Special Conservation Areas**
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- OI Special Conservation Areas
- Cold Water Streams
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
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84°29'0"W

84°28'0"W

84°27'0"W

**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
2 71044002-Cut	39.6	4131 - Aspen, Oak	High Density Log	84	Harvest	Clearcut with Reserves	Aspen, Oak

Rev
Cmnt:

Rev Final harvest stand leaving scattered large crowned oaks and islands of thicker oak for mast and retention.

Spec:

Next

Steps:

13 71044013-Cut	9.2	42220 - Natural Jack Pine	High Density Log	88	Harvest	Clearcut with Reserves	Oak, Pine
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Rev
Cmnt:

Rev Final harvest leaving a few oak and pine. Leave all jack pine tops or branches for natural regeneration on high water table site. Protect all oak 5" and under. Co manage for oak and pine. Any combination of oak, pine or maple regeneration is acceptable. ORV trial runs through stand(protect).

Spec:

Next

Steps:

19 71044019-Cut	26.6	42220 - Natural Jack Pine	High Density Log	88	Harvest	Clearcut with Reserves	Oak, Pine
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Rev
Cmnt:

Rev Final harvest leaving a few oak and pine. Leave all jack pine tops or branches for natural regeneration on high water table site. Protect all oak 5" and under. Co manage for oak and pine. Any combination of oak, pine or maple regeneration is acceptable. ORV trial runs through stand(protect).

Spec:

Next

Steps:

23 71044023-Cut	15.7	42110 - Planted Red Pine	High Density Pole	48	Harvest	Crown Thinning	Planted Red Pine
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Rev
Cmnt:

Rev Remove all jack pine and red maple. Mark residual red pine down to 100 BA

Spec:

Next

Steps:

25 71044025-Cut	12.4	42110 - Planted Red Pine	High Density Pole	48	Harvest	Crown Thinning	Planted Red Pine
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Rev
Cmnt:

Rev 3rd row thin.

Spec:

Next

Steps:

30 71044030-Cut	134.1	4199 - Other Mixed Upland Deciduous	High Density Log	88	Harvest	Seed Tree	Oak, Aspen
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Rev
Cmnt:

Rev Final harvest/seed tree cut. Leave scattered oak and pine throughout stand. Leave heavier oak retention in in thicker oak areas to protect sprouts from frost damage. Protect all advanced oak regeneration. ORV trail runs through stand.

Spec:

Next

Steps:

S
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d

Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 044

Entry Yr: 2011

Date 08/26/2009



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
Total Treatment Acreage Proposed:		237.6					

**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
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
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.