



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 169 ENTRY YEAR: 2010

Compartment Acreage: 2090 County: Ogemaw

Revision Date: 6-27-2008

Stand Examiner: Jason Lewicki

Legal Description: T24N R01E Sections 4, 5, 6 & 9

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: The terrain is generally flat to very gently rolling and soils are mostly Grayling Sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is 40 acres of private property and 80 acres of fish and wildlife land in section 5. The adjoining area is heavy to state and federal lands.

Unique, Natural Features: None known.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Sections 4, 5 & 9 are within endangered species Kirtland's warbler habitat (Damon Unit) and are considered a "HCVA".

Watershed and Fisheries Considerations: None Known.

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species. Special considerations are given to the Kirtland's Warbler.

Mineral Resource and Development Concerns and/or Restrictions: Section 4 - 6 & 9, T24N-R1E, Ogemaw County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall was previously used as a building stone elsewhere in the State. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located two miles to the west and there may be some potential. The Rose City Field is located one mile to the south. The field has produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. None of the State lands in the Compartment are currently leased.

Vehicle Access: Vehicle access is very good due to high ground and numerous forest roads.

Survey Needs: None

Recreational Facilities and Opportunities: Good vehicle access provides excellent hunting opportunities. There are several areas that are used annually for deer camps. A snowmobile trail runs through the compartment. There is also the opportunity for bird watchers to view the Kirtland's Warbler.

Fire Protection: A large area in and around this compartment are pine cover types which pose a large wildfire potential. Many areas within the compartment have maintained fuel breaks to aid in fire suppression.

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**

8/7/2008 2:04:41 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: 169

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	250																										250
V Bog or Marsh			17																								17
G Grass					121																						121
J Jack Pine	8						1291																				1299
R Red Pine															321												321
U Upland Brush							23																59				82
Total	258		17		121		1314								321								59				2090

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: **169**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4209 Cds	Hardwood	1548 Cds
Hardwood	8 Mbf	Softwood	807 Cds
Softwood	8854 Cds	Softwood	262 Mbf
Softwood	2330 Mbf	Sum CutVol	2879 Cds
Sum TotVol	17739 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
2090		151	

ROSCOMMON FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 169 Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
17	R9	8	83	55	red pine	mature	delayed removal	1		prescribed for fdf treatment
comnts Fmd : Large utility pole red pine. Stand was thinned last entry. A few pole and log sized white pine present. Heavy oak understory that has responded to extra light of previous entries harvest. Some red and white pine in the understory as well. Treat stand with overstory removal. Release oak and pine understory. Mark scattered red pine supercanopy trees to stay. Comanage for oak and pine. If current regeneration is not sufficient, plant to red pine. Leave 3-10% retention in the form of islands or strips within the sale boundary.										
32	J6	31	52	54	jack pine	immature	final harvest	1	planting	
comnts Fmd : Jack pine pole timber stand. Some red pine and oak mixed in. More red pine on east end. Final harvest leaving some red pine and oak as super canopy and mast. Plant to jack pine. Leave 3-10% retention in the form of islands or strips to simulate natural wildfire disturbance.										
33	U2	23	8	50	jack pine	sparse		0	planting	prescribed for fdf treatment
comnts Fmd : Clearcut area that was never planted and now has filled in to a cherry brush. Roller chop and plant jack pine. Avoid aspen clones.										
35	A6	76	40	55	aspen (upland)	immature	final harvest	1		
comnts Fmd : Quaking aspen pole timber stand. Some trees showing conks and heart rot. Final harvest leaving some super canopy red pine. Leave 3-10% retention in the form of islands or strips within the stand boundaries. Plant jack pine if aspen regeneration fails.										
37	J6	8	40	54	aspen (upland)	mature	final harvest	1		
comnts Fmd : Small stand of mature jack pine. Some red pine quaking aspen and oak mixed in. Final harvest stand and rely on oak, aspen and white pine regen for the future stand. Allow for a mix of regeneration. If all regeneration falls below full stocking levels, plant jack pine. Apply 3-10% retention in the form of strips, islands, leave trees or buffers.										
47	R6	10	46	52	red pine	immature	thinning	1		stand with fdf potential
comnts Fmd : Red pine plantation with some jack pine mixed in. 3rd row thin.										
48	R9	18	86	56	red pine	mature	thinning	1		stand with fdf potential
comnts Fmd : Stand of nice mature red pine. Some white pine and quaking aspen mixed in. Understory is a mix of pin cherry and white pine. Thin stand down to 70-90BA to promote white pine regen and to manage as a mixed stand.										
101	G0	25		47	grass	sparse		0	other - specify in remarks	
comnts Fmd : Maintain as fuelbreak by periodic RX burning										
116	G0	96			grass	nonstocked		0	other - specify in remarks	
comnts Fmd : Maintain as fuelbreak with periodic RX burns										
Total Acres.....		295								

**Proposed Treatments
With Limiting Factors**

Compartment: 169

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

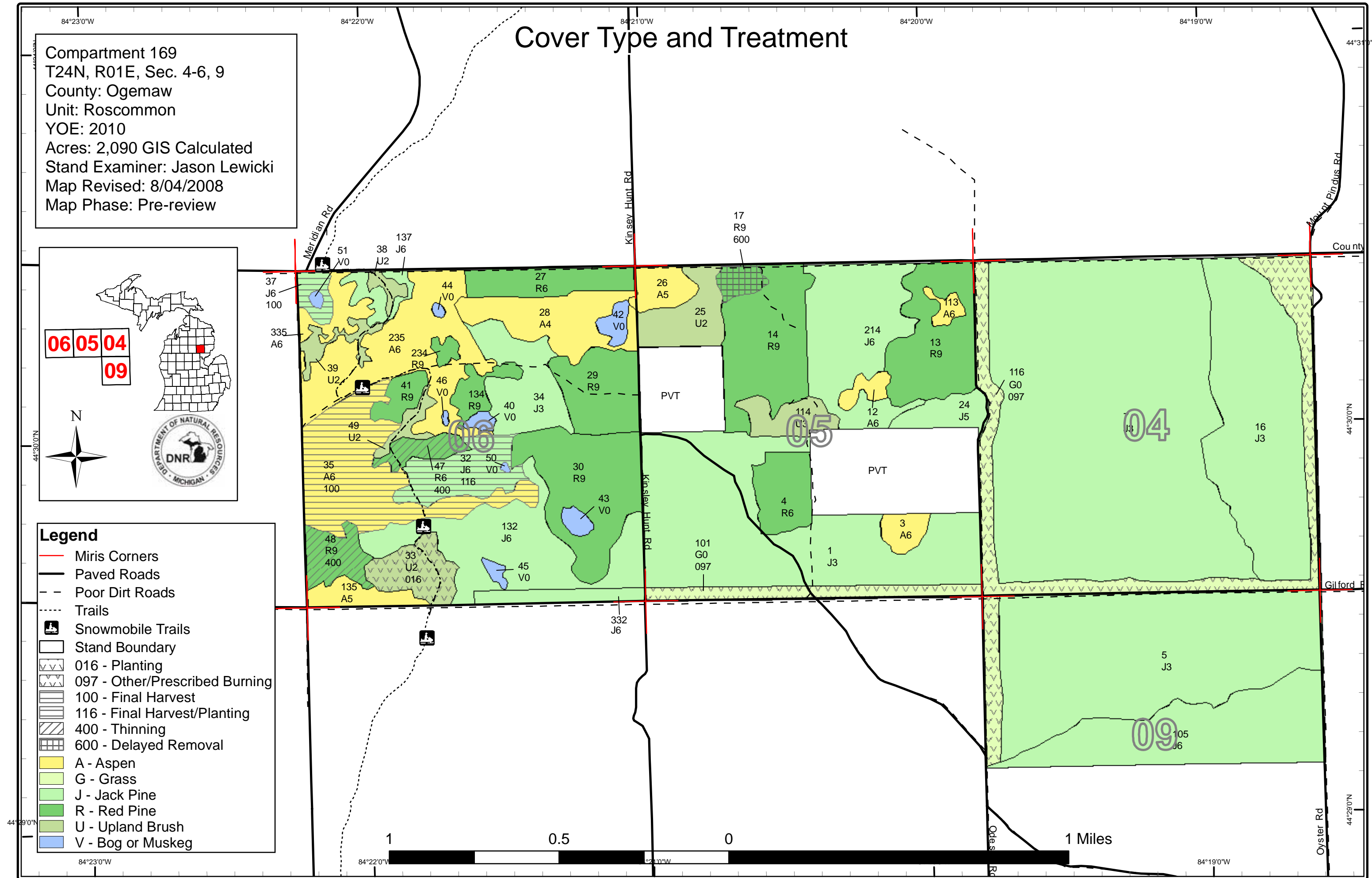
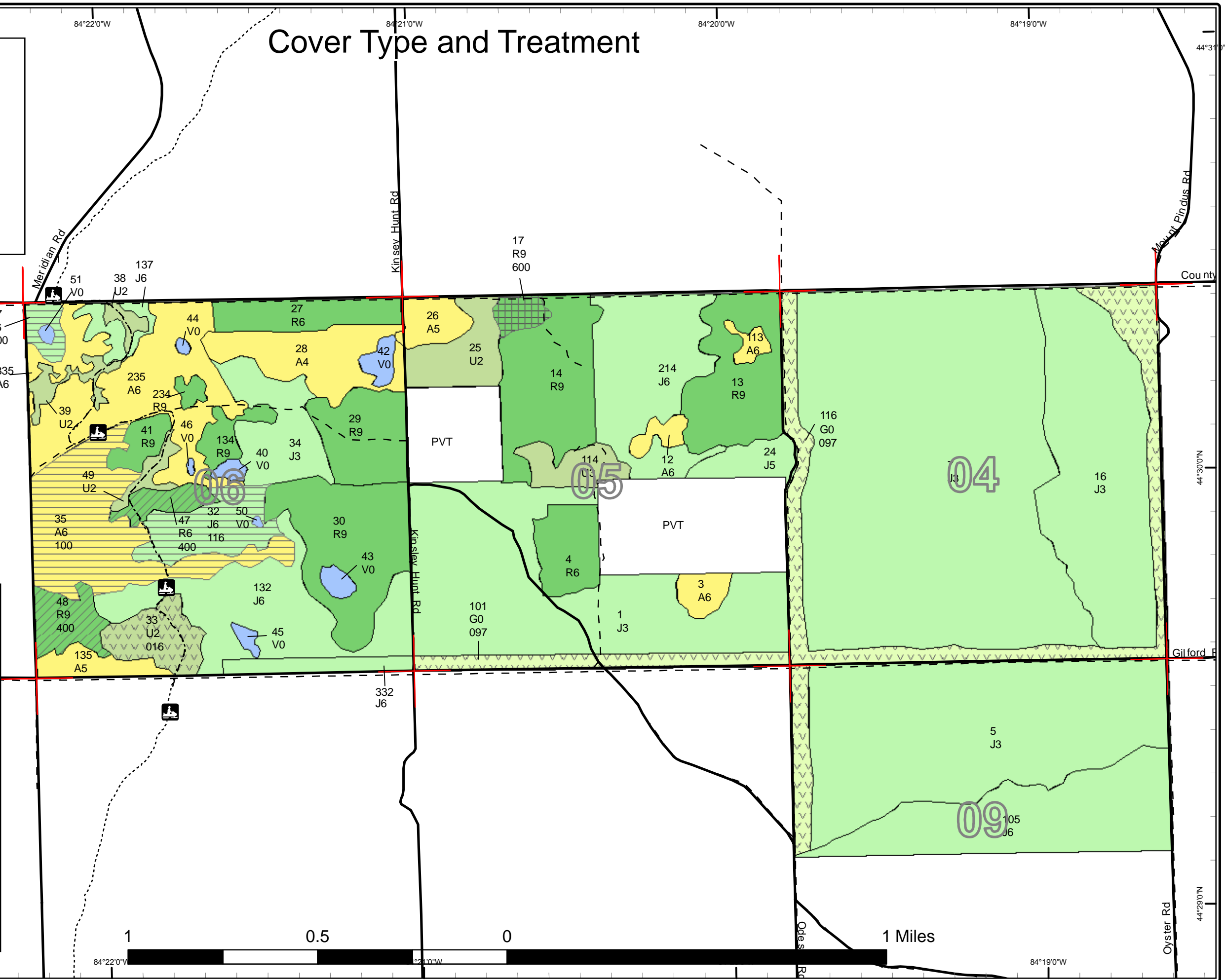
Cover Type and Treatment

Compartment 169
 T24N, R01E, Sec. 4-6, 9
 County: Ogemaw
 Unit: Roscommon
 YOE: 2010
 Acres: 2,090 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/04/2008
 Map Phase: Pre-review

06 05 04
 09

Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Stand Boundary
- 016 - Planting
- 097 - Other/Prescribed Burning
- 100 - Final Harvest
- 116 - Final Harvest/Planting
- 400 - Thinning
- 600 - Delayed Removal
- A - Aspen
- G - Grass
- J - Jack Pine
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg



Stand Boundary Map

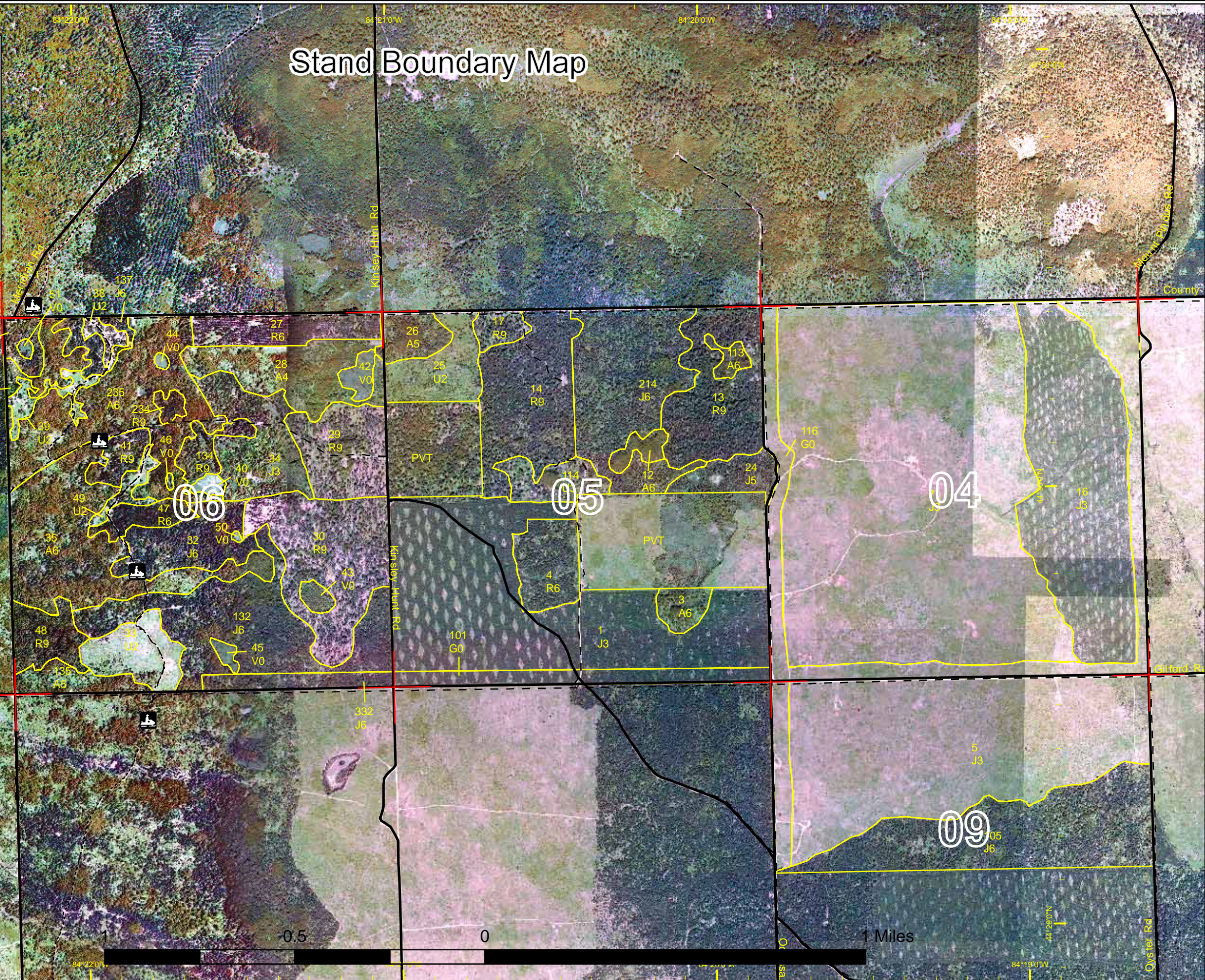
Compartment 169
T24N, R01E, Sec. 4-6, 9
County: Ogemaw
Unit: Roscommon
YOE: 2010
Acres: 2,090 GIS Calculated
Stand Examiner: Jason Lewicki
Map Revised: 8/04/2008
Map Phase: Pre-review

06 05 04
09

N

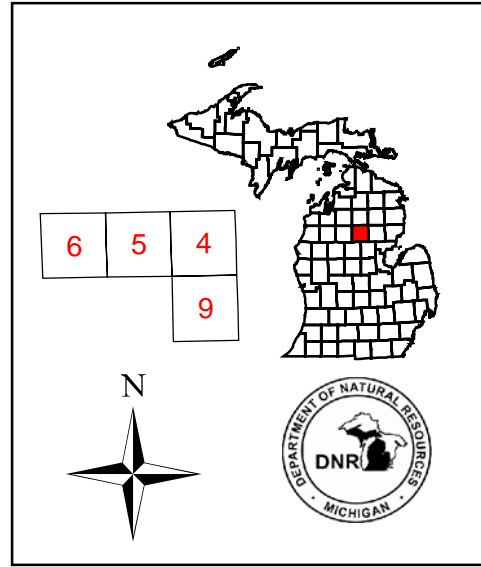
DNR
DEPARTMENT OF NATURAL RESOURCES
MICHIGAN

- Legend**
- Miris Corners
 - Paved Roads
 - - - Poor Dirt Roads
 - Trails
 - 🚙 Snowmobile Trails
 - Stand Boundary

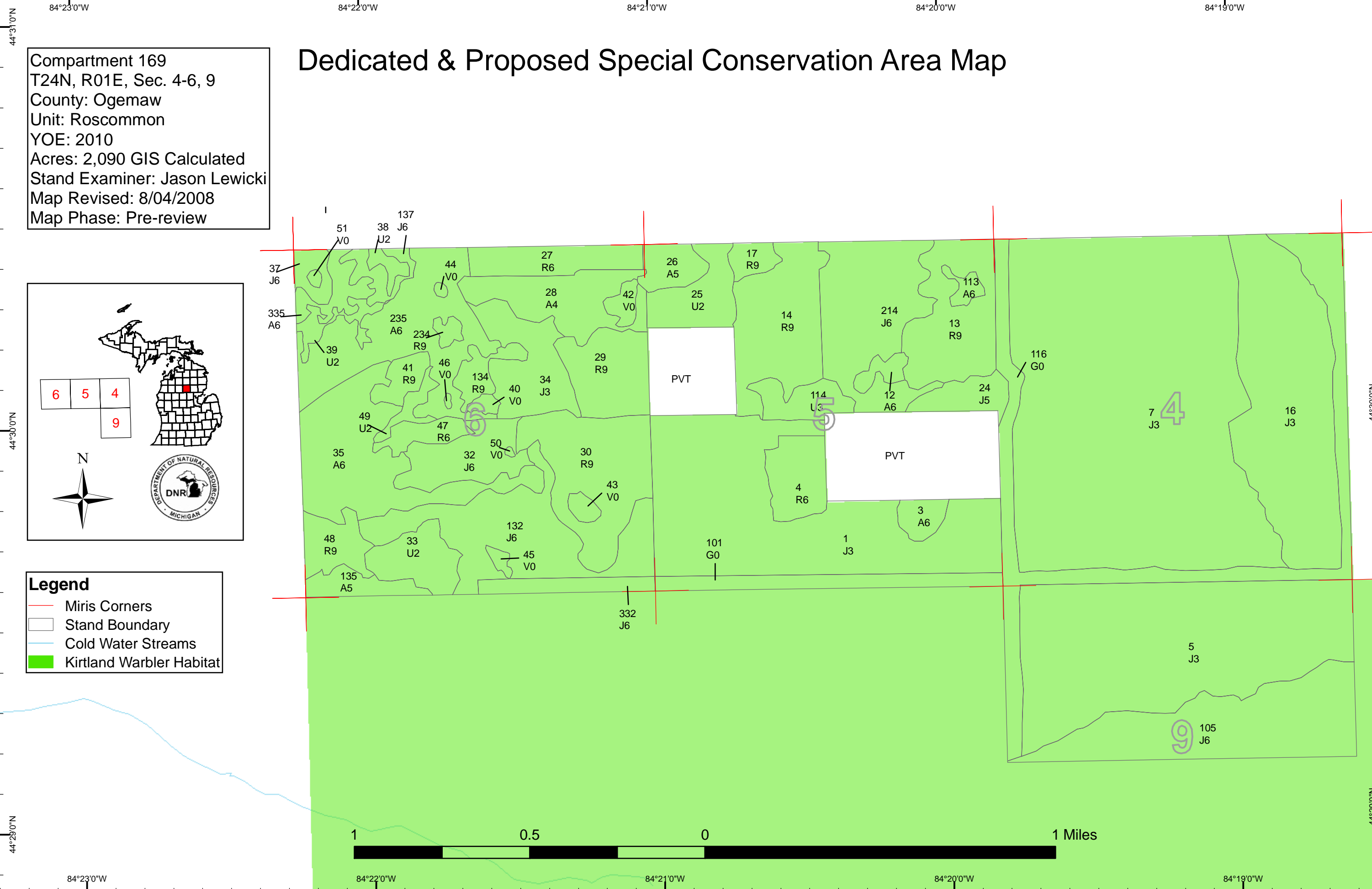
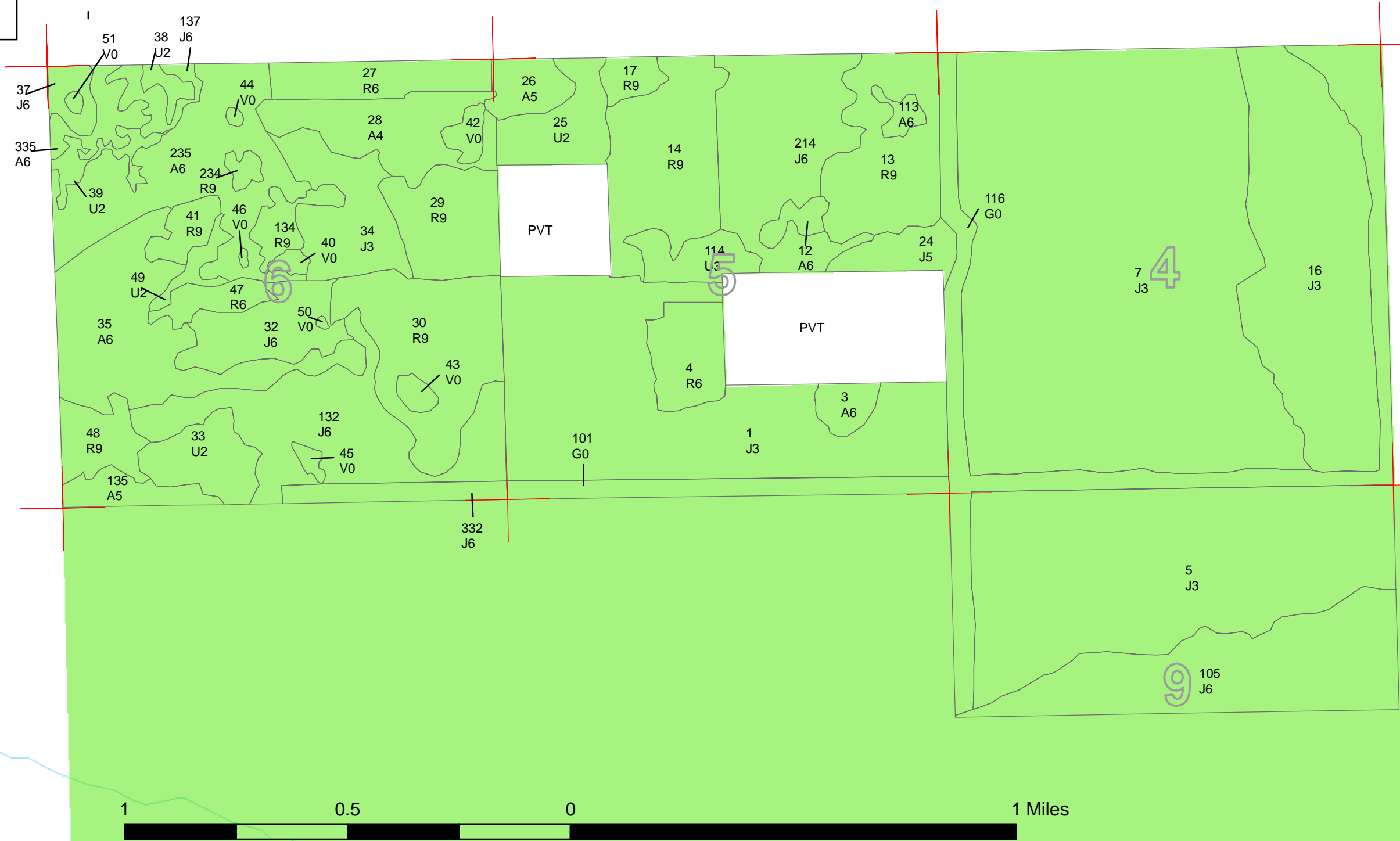


Compartment 169
 T24N, R01E, Sec. 4-6, 9
 County: Ogemaw
 Unit: Roscommon
 YOE: 2010
 Acres: 2,090 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 8/04/2008
 Map Phase: Pre-review

Dedicated & Proposed Special Conservation Area Map



- Legend**
- Miris Corners
 - Stand Boundary
 - Cold Water Streams
 - Kirtland Warbler Habitat





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	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
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.