



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 184 ENTRY YEAR: 2010

Compartment Acreage: 2405 County: Roscommon

Revision Date: 07-28-2008

Stand Examiner: J. Hartman

Legal Description: T23N R1E sections 4, 9, 15, and 17

Management Goals: Manage Kirtlands Warbler areas in conjunction with the established KW plan. Regenerate some overmature oak/jack pine mixtures.

Soil and Topography: Terrain is hilly in some spots and transitions to the Outwash plain in more dense jack pine areas. The compartment as a whole is on the fringe of a large Outwash plain east of St. Helen.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is one 80 acre inholding. USFWS owns some land in the vicinity.

Unique, Natural Features: Allegheny plum, Hill's thistle and rough fescue have all been found within the compartment.

Archeological, Historical, and Cultural Features: None identified.

Special Management Designations or Considerations: All Kirtland's Warbler Management Areas are designated High Conservation Value Areas.

Watershed and Fisheries Considerations: There is some wetland complex on the east side of the compartment.

Wildlife Habitat Considerations: Since the compartment is located on the fringe of the Outwash Plain some less conventional KW management may deserve some attention. Some barrens management is being considered.

Mineral Resource and Development Concerns and/or Restrictions: 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 and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall was used as a building stone elsewhere in the State. A clay pit is located in Section 31. The nearest gravel pit is located three miles to the southeast, but potential should be good on the uplands. The Rose City Fields are located in two miles to the northeast. The fields have 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. The State lands in the Compartment are not currently leased.

Vehicle Access: Vehicle access is good.

Survey Needs: None need at this time.

Recreational Facilities and Opportunities: Snowmobile trail bisects the north part of the compartment.

Fire Protection: Large thick jack pine plantations could support large fire growth. The fuel breaks that are designed for the compartment may help slow the progress of a large fire.

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**

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: 184

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159		All Aged
Aspen		52		138	31	42	28												291
Black Spruce							3												3
Jack Pine		499	122	155	160	318	166	10											1430
Mx Swmp Cnfr					13														13
Oak					20		66		17	251		59							413
Swamp Hrdwds							11												11
Tamarack							20												20
Treed Bog	27																		27
Upland Brush		4			8														12
Upland Hdwds							28												28
White Pine							6		37	110			4						157
Total	27	555	122	293	232	360	328	10	54	361		59	4						2405

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: 184

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	291																										291
S Black Spruce		3																									3
J Jack Pine							1430																				1430
Q Mx Swmp Cnfr												13															13
O Oak	41													372													413
E Swamp Hrdwds																			11								11
T Tamarack																				20							20
D Treed Bog																						27					27
U Upland Brush	4																							8			12
M Upland Hdwds																								28			28
W White Pine																										157	157
Total	336	3					1430					13		372					11	20	27		8	28		157	2405

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

OGEMAW COUNTY

COMPARTMENT: **184**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3625 Cds	Hardwood	443 Cds
Hardwood	766 Mbf	Hardwood	308 Mbf
Softwood	8628 Cds	Softwood	1563 Cds
Softwood	479 Mbf	Sum CutVol	2622 Cds
Sum TotVol	14743 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
2405		377	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 184 Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
2	O8	42	80	50	oak	two aged	final harvest	3			
comnts Fmd : Mix of oak and jack pine with oak and white pine understory and scattered red pine. Stand is along same ridgeline as stand 18. Mark some mast trees to leave and leave all red and white pine. Mix of oak, jp, rp, wp regeneration is acceptable.											
4	O8	50	80	50	oak	two aged	final harvest	3			
comnts Fmd : Mix of oak and jack pine with oak and white pine understory and scattered red pine. Mark some mast trees to leave and leave all red and white pine. Mix of oak, jp, rp, wp regen is acceptable.											
14	A6	42	45	52	aspen (upland)	two aged	final harvest	2			
comnts Fmd : Two-aged quaking aspen that transitions into lower quality and smaller stems to the south. It is falling apart in some spots and immature in others. Leave retention pocket with heavy white pine understory in the northeast corner and leave scattered red pine within the sale. Dormant season cut. Jack pine to the west and south will be part of large KW cut set up in approx 2015.											
16	O8	41	98	45	aspen (upland)	immature	final harvest	2			
comnts Fmd : Clear-cut w/ reserves. Mark mast trees to leave. Leave all red pine and white pine. Regeneration will be a mix of aspen and oak. Dormant harvest.											
46	M8	28	48	53	northern hardwood	two aged	final harvest	3			
comnts Fmd : Mix of red maple, oak, aspen, jack pine, aspen and a little red pine. Mark mast trees, large windfirm red pine, and white pine with good form to leave. Protect pockets of understory white pine. Regen will be a mix of red maple and aspen.											
57	A8	5	53	50	aspen (upland)	high risk	final harvest	1			
comnts Fmd : Aspen clone that is falling apart. Dormant cut. No reserves.											
58	A8	9	53	50	aspen (upland)	high risk	final harvest	1			
comnts Fmd : Aspen clone that is falling apart. Dormant cut. No reserves.											
62	U1	4	6	50	aspen (upland)	in process of regeneration		0	planting		
comnts Fmd : Failed oak clear-cut along swamp edge. Plant red pine. Can be managed with red pine getting planted across road to the north.											
117	J3	12	7	40	jack pine	immature		0	opening maintenance		
comnts Fmd : Part of the fuel-break system prescribed last YOE and not treated at this point. May want to roller chop first, leave alone, or wait and manage with the rest of the fuelbreak to the north once the surrounding stands are treated. KW area established in 2001 was planted into the fuelbreak.											
Total Acres.....		233									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 184 **Entry Year: 2010**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
11	J5	39	31	55	jack pine	immature	final harvest	2	opening maintenance	

TREATMENT LIMITING FACTORS: Other special wildlife habitat consideration (desc. In comments)

comnts Fmd : Part of KW Management Block 106 (2018) that is along the fringe Leave some retention pockets and burn with stand 13 to create the pine barrens portion of this KW block. Decide whether to set-up sale in conjunction with rest of KW cut for connectivity or hold and manage seperately. Stand is still immature. A little bit better site and more dense than stand 13.

12	J5	36	35	50	jack pine	immature	final harvest	2	planting	
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TREATMENT LIMITING FACTORS: Other special wildlife habitat consideration (desc. In comments)

comnts Fmd : Part of KW Management Block 106 (2018) . Almost solid jack pine, but pvt property to the west and transitions quickly to hill and valley oak mixture to the east. Consider leaving alone and managing with hills to the east. Still immature.

13	J4	85	31	45	jack pine	immature	final harvest	2		
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TREATMENT LIMITING FACTORS: Other special wildlife habitat consideration (desc. In comments)

comnts Fmd : Part of KW Management Block 106 (2018) that is along the fringe Leave some retention pockets and burn with stand 11 to create the pine barrens portion of this KW block. Decide whether to set-up sale in conjunction with rest of KW cut for connectivity or hold and manage seperately. Stand is still immature. Blends into aspen along the southeast edge that is being cut this YOE.

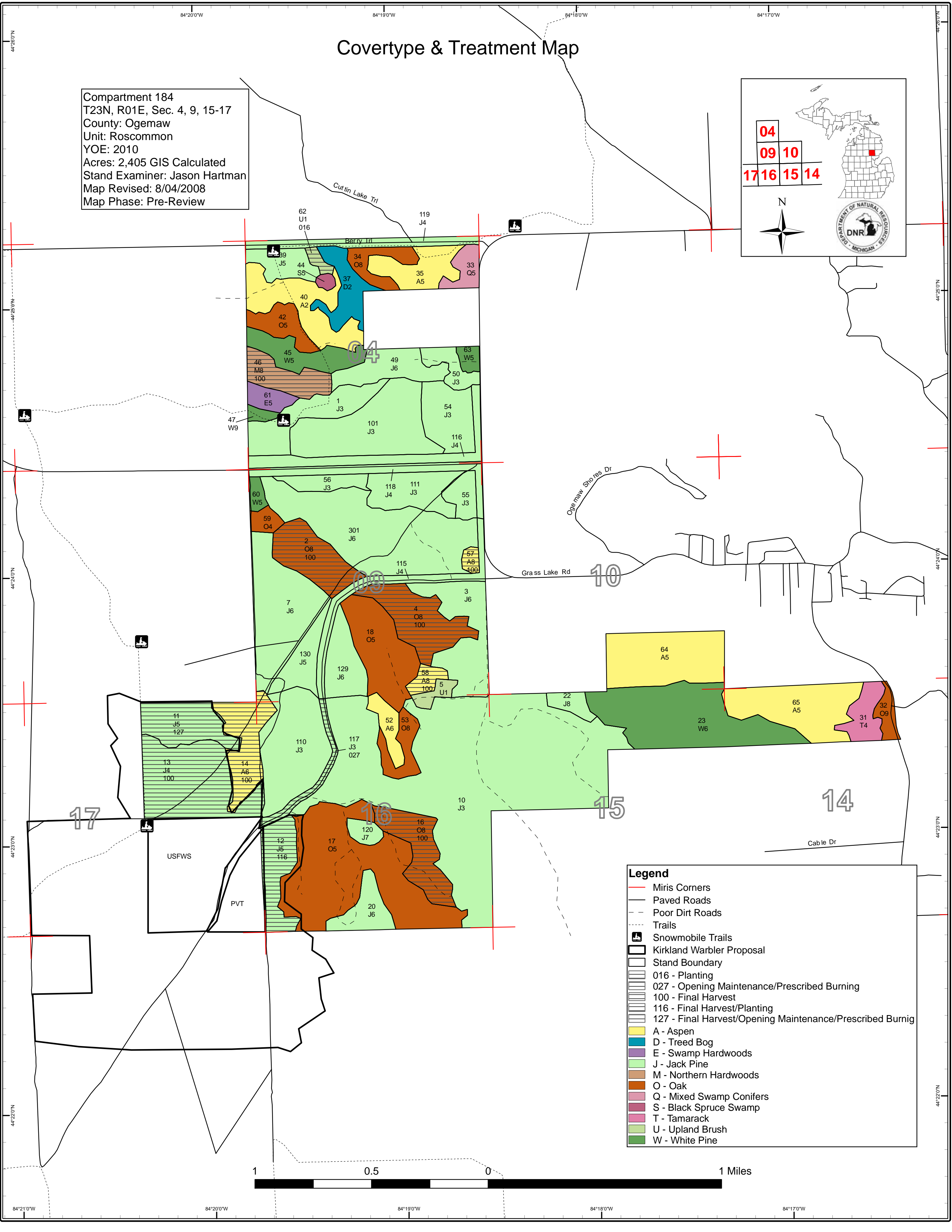
Total Acres..... 160

Covertypes & Treatment Map

Compartment 184
 T23N, R01E, Sec. 4, 9, 15-17
 County: Ogemaw
 Unit: Roscommon
 YOY: 2010
 Acres: 2,405 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/04/2008
 Map Phase: Pre-Review

04
 09 10
 17 16 15 14

N



Legend

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- ... Trails
- ☞ Snowmobile Trails
- ☐ Kirkland Warbler Proposal
- ☐ Stand Boundary
- ☐ 016 - Planting
- ☐ 027 - Opening Maintenance/Prescribed Burning
- ☐ 100 - Final Harvest
- ☐ 116 - Final Harvest/Planting
- ☐ 127 - Final Harvest/Opening Maintenance/Prescribed Burnig
- ☐ A - Aspen
- ☐ D - Treed Bog
- ☐ E - Swamp Hardwoods
- ☐ J - Jack Pine
- ☐ M - Northern Hardwoods
- ☐ O - Oak
- ☐ Q - Mixed Swamp Conifers
- ☐ S - Black Spruce Swamp
- ☐ T - Tamarack
- ☐ U - Upland Brush
- ☐ W - White Pine

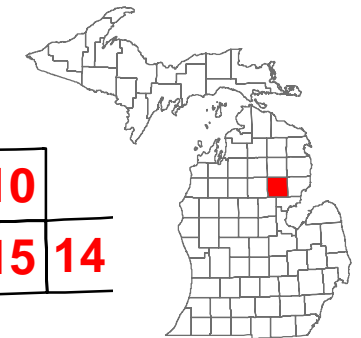


84°21'0"W 84°20'0"W 84°19'0"W 84°18'0"W 84°17'0"W



Stand Boundary Map

Compartment 184
 T23N, R01E, Sec. 4, 9, 15-17
 County: Ogemaw
 Unit: Roscommon
 YOE: 2010
 Acres: 2,405 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/04/2008
 Map Phase: Pre-Review

04		
09	10	
17	16	15
		14

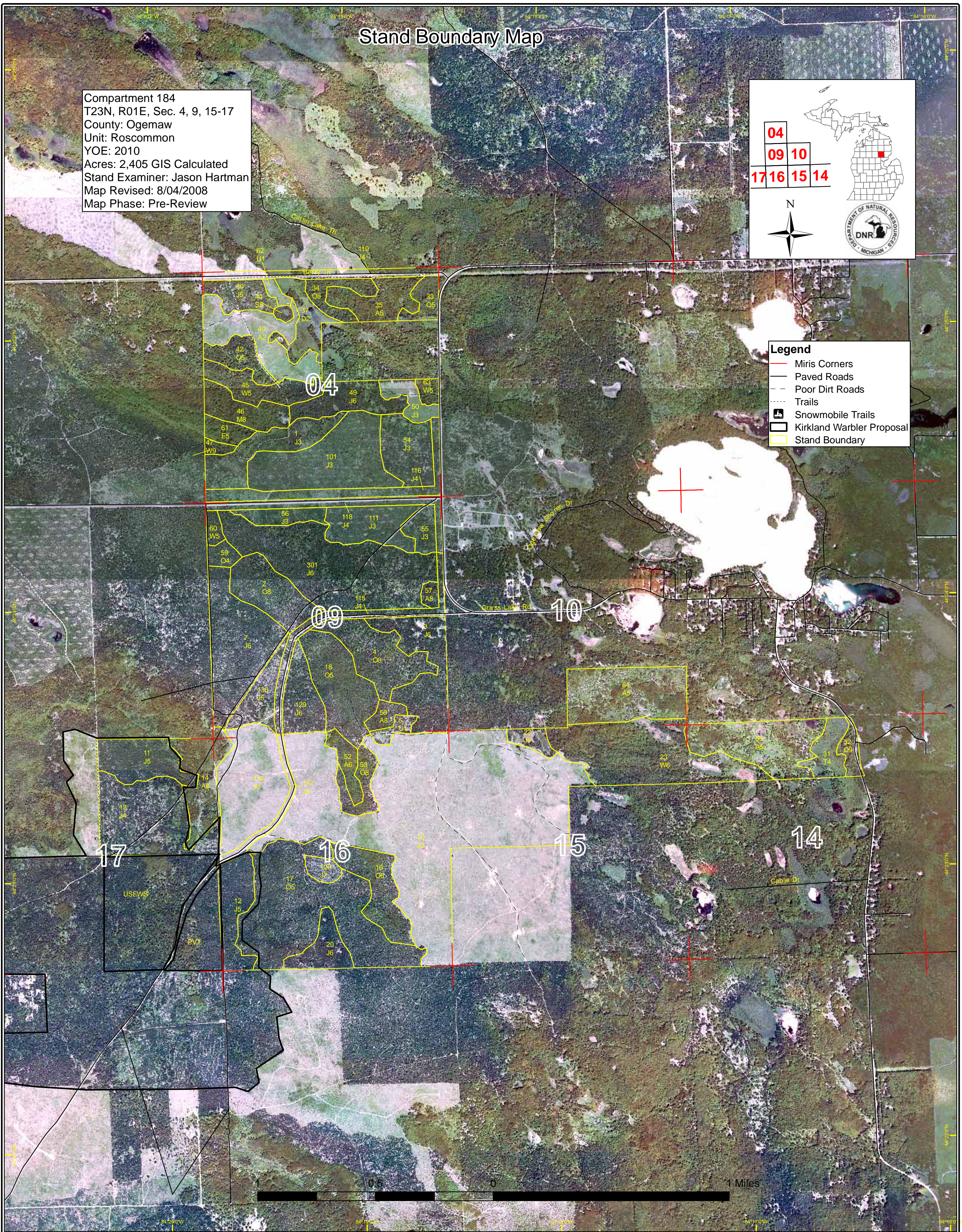


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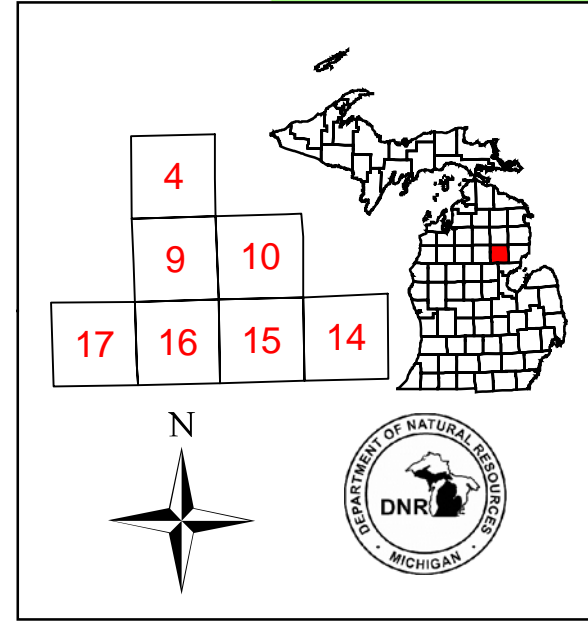
Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Kirkland Warbler Proposal
- Stand Boundary



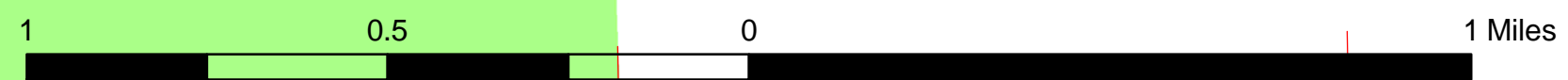
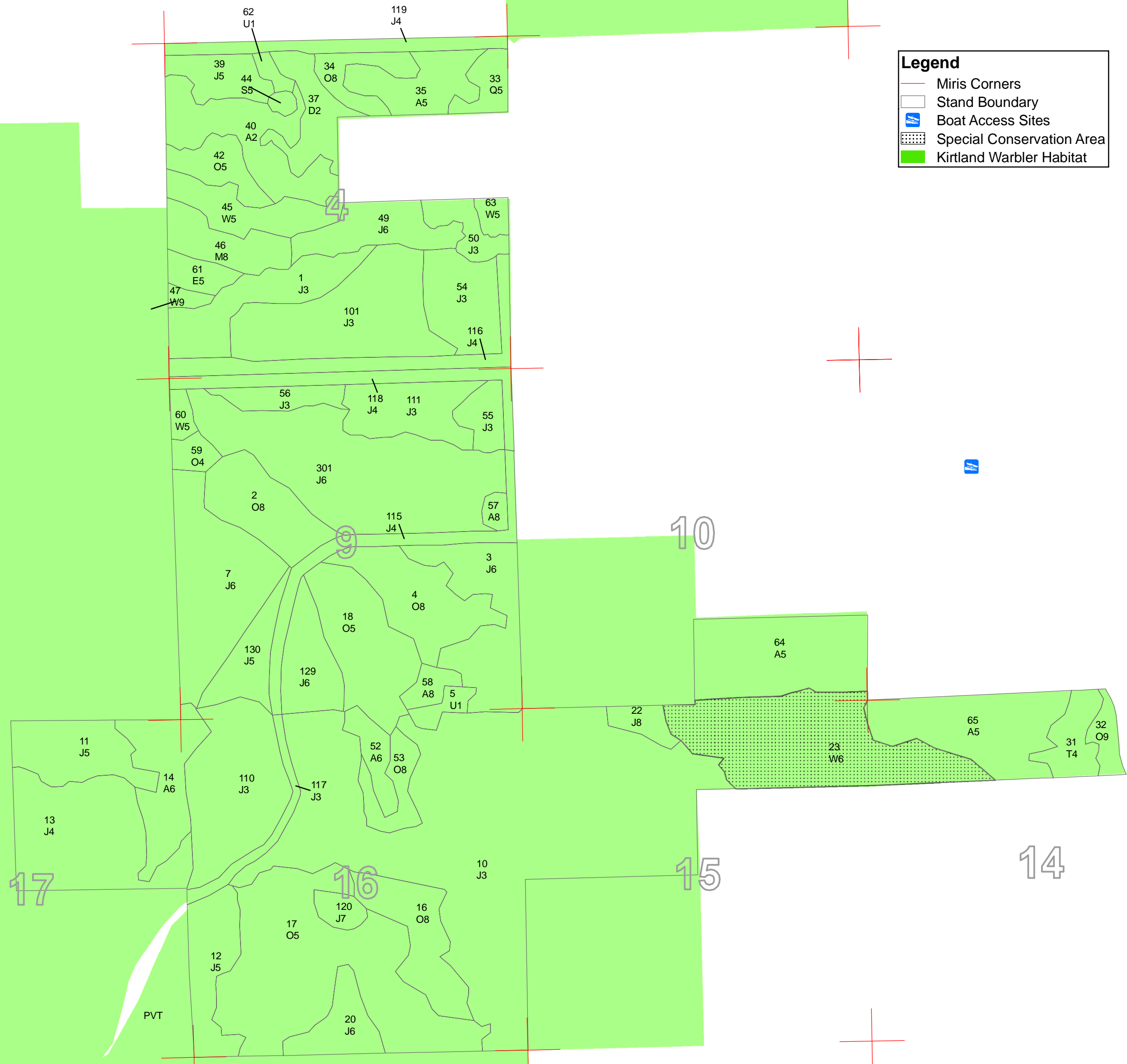
Dedicated & Proposed Special Conservation Area Map

Compartment 184
 T23N, R01E, Sec. 4, 9, 15-17
 County: Ogemaw
 Unit: Roscommon
 YOE: 2010
 Acres: 2,405 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/04/2008
 Map Phase: Pre-Review



Legend

- Miris Corners
- Stand Boundary
- Boat Access Sites
- Special Conservation Area
- Kirtland Warbler Habitat



84°20'0"W 84°19'0"W 84°18'0"W 84°17'0"W

44°28'0"N
44°26'0"N
44°24'0"N
44°22'0"N

44°28'0"N
44°26'0"N
44°24'0"N
44°22'0"N



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.