



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 53 ENTRY YEAR: 2010

Compartment Acreage: 1185 County: Otsego

Revision Date: 8/20/2008

Stand Examiner: Don Mittlestat

Legal Description: T31N R1W Sections 28, 29, and 30

RMU (if applicable):

Management Goals:

Maintain the current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

Soils in this compartment are dominated by organic soils associated with lowland conifer forest types. Uplands are gently rolling with Kalkaska sands being the most prevalent soil type.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

A mix of state and private ownership occur in and around this compartment.

Unique, Natural Features:

None

Archeological, Historical, and Cultural Features:

None Known.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Many small streams flow into the Black River from this compartment and surrounding area.

Wildlife Habitat Considerations:

See wildlife comments.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 800 and 1,000 feet. Beneath the glacial drift are the Mississippian Coldwater and Sunbury Shales and Devonian Berea Sandstone. Gravel pits are located to the west and potential is very good on the upland areas. This area is leased for oil and gas development and most of the State lands have been developed for Niagaran reefs and Antrim Shale.

Vehicle Access:

This compartment is not in the current vehicle access plan.

Survey Needs:

Property lines in this compartment need to be verified. There is at least one trespass to resolve, and a property line verified for two timber sales.

Recreational Facilities and Opportunities:

None

Fire Protection:**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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 53

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	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	Total
Aspen		30	67	96	16	28		12	14										263
Cedar													498						498
Grass	37																		37
Lowlnd Brush	4																		4
Lowlnd Poplr		8	2	36	5														51
Marsh	7																		7
Mx Swmp Cnfr			4		2								2						8
Non Stocked	20																		20
Red Pine						38													38
Spruce Fir					7														7
Swamp Hrdwds											2								2
Upland Hdwds				3				23	224										250
Total	68	38	73	135	30	66		35	238		2		500						1185

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

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 53

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	263																										263
C Cedar				498																							498
G Grass					37																						37
L LowInd Brush									4																		4
P LowInd Poplr										51																	51
N Marsh											7																7
Q Mx Swmp Cnfr												8															8
X Non Stocked													20														20
R Red Pine															34									4			38
F Spruce Fir																			7								7
E Swamp Hrdwds																				2							2
M Upland Hdwds																							6	244			250
Total	263			498	37				4	51	7	8	20		34				7	2			6	248			1185

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **53**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4042 Cds	Hardwood	819 Cds
Hardwood	287 Mbf	Softwood	328 Cds
Softwood	14313 Cds	Softwood	15 Mbf
Softwood	396 Mbf	Sum CutVol	1177 Cds
Sum TotVol	19721 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1185		59	

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 53

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
17	A6	11	73	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : Aspen, red maple, and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
30	A6	2	74	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : 2008 THERE WILL NO RETENTION IS BECAUSE OF THE SMALL ACREAGE Aspen, red maple, and other hardwoods species would be expected to reproduce in this stand											
31	M5	5	60	60	northern hardwood	immature	final harvest	3		stand with fdf potential	
comnts Fmd : 2008 NO RETENTION TOO SMALL. Aspen, red maple, and other hardwoods would be expected to reproduce in this stand											
33	A5	1	74	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : 2008 NO RETENTION TOO SMALL Aspen, red maple, and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
39	A6	9	60	70	aspen (upland)	mature	final harvest	2			
comnts Fmd : 2008 THERE ARE A COUPLE OF POCKETS OF E THAT ARE FAIRLY WET IN THE STAND. USE THESE AREAS FOR RETENTION. ALSO LEAVE ANY CEDAR AND HEMLOCK. Aspen, red maple, and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
45	A6	3	60	70	aspen (upland)	mature	final harvest	2			
comnts Fmd : 2008 THERE ARE A COUPLE OF POCKETS OF E THAT ARE FAIRLY WET IN THE STAND. USE THESE AREAS FOR RETENTION. ALSO LEAVE ANY CEDAR AND HEMLOCK. Aspen, red maple, and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
46	R6	4	45	60	northern hardwood	immature	final harvest	2		stand with fdf potential	
comnts Fmd : Aspen, red maple, u and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
47	R6	11	45	60	red pine	immature	thinning	1		stand with fdf potential	
comnts Fmd : 2008 ROW THIN AND MARK TREES TO CUT IN THE OTHER ROWS.											
71	R6	1	45	60	red pine	immature	thinning	1			
72	A5	12	36	55	aspen (upland)	immature	final harvest	3			
comnts Fmd : Stand has approximately 20 sq. ft. of merchantable basal area scattered throughout. Aspen, red maple, and other hardwoods as well as soft wood species would be expected to reproduce in this stand											
Total Acres.....		59									

**Proposed Treatments
With Limiting Factors**

Compartment: 53

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Cover Type and Treatment

Compartment 53
 T31N, R01W, Sec. 28, 29, 30
 County: Otsego
 Unit: Pigeon River Country
 YOE: 2010
 Acres: 1,185 GIS Calculated
 Stand Examiner: Don Mittlestat
 Map Revised: 6/04/2008
 Map Phase: Pre-review

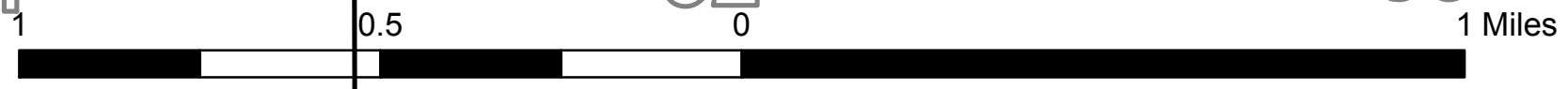
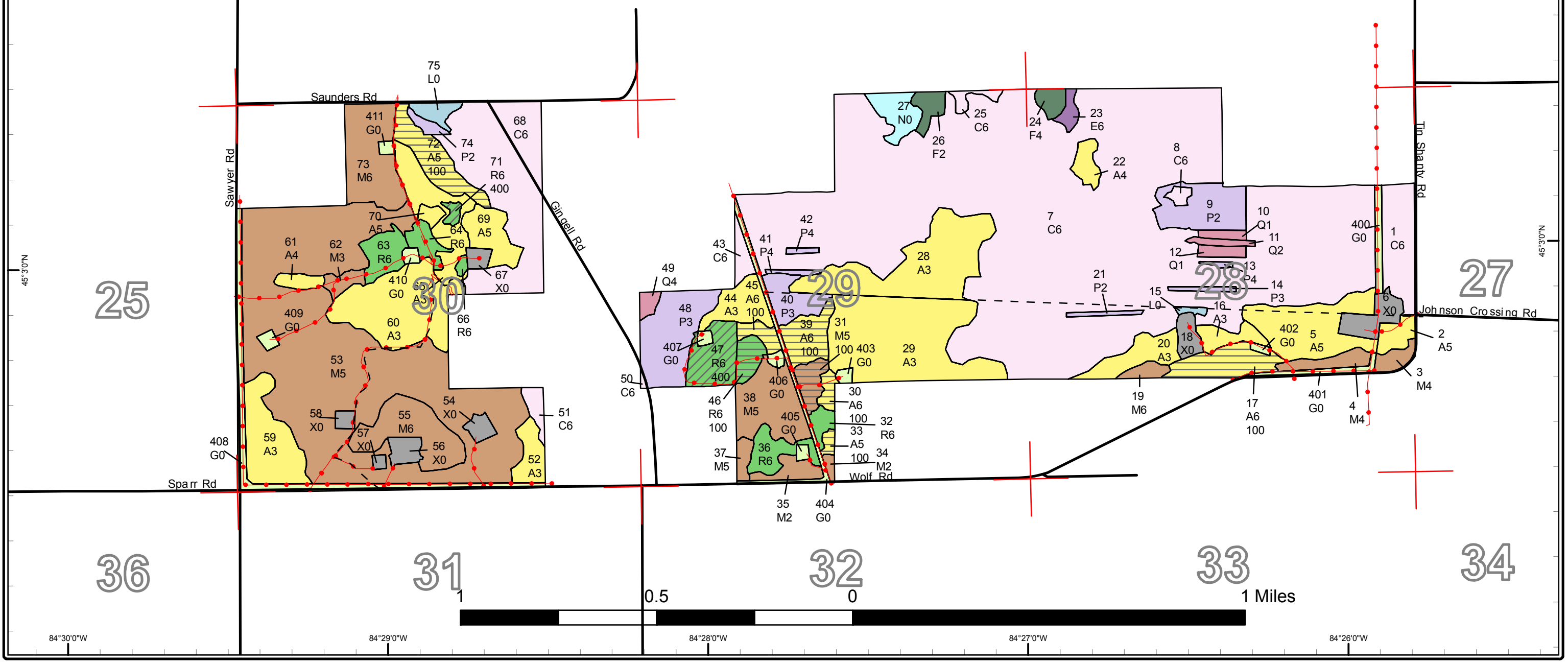
Legend

Miris Corners	A - Aspen
Paved	C - Northern White Cedar
County Gravel Roads	E - Swamp Hardwoods
Open Roads	F - Upland Spruce or Fir
Pipelines	G - Grass
Stand Boundary	L - Lowland Brush
100 - Final Harvest	M - Northern Hardwoods
400 - Thinning	N - Marsh
	P - Balsam Poplar, Swamp Aspen, Swamp White Birch
	Q - Mixed Swamp Conifers
	R - Red Pine
	X - Non-Stocked

30 29 28

N

DEPARTMENT OF NATURAL RESOURCES
DNR
MICHIGAN




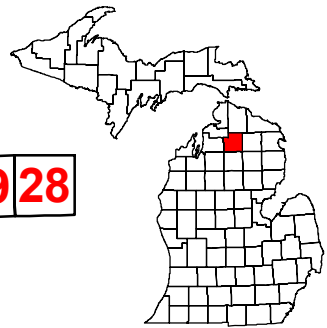

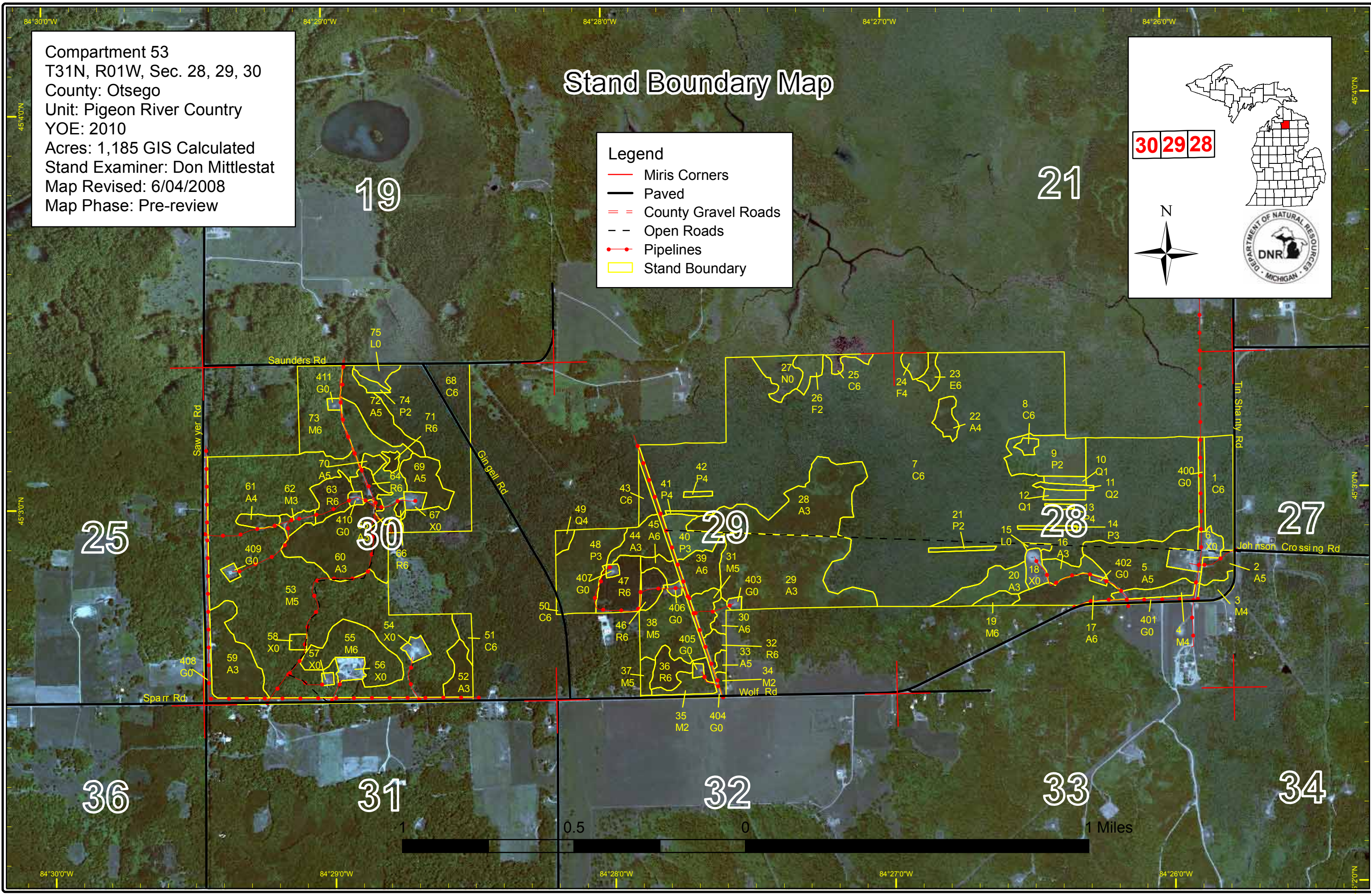
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Stand Boundary Map

Legend

- Miris Corners
- Paved
- = = County Gravel Roads
- - Open Roads
- Pipelines
- Stand Boundary

30 29 28

1 0.5 0 1 Miles



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.