



**CRYSTAL FALLS FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #133 - ENTRY YEAR: 2010
Compartment Acreage: 749 - County: Iron**

Revision Date: November 16, 2007

Stand Examiner: Linda Lindberg

Legal Description: T45N, R34W, Sections 27, 28, 29 and 30

Management Goals: This compartment is comprised of primarily aspen along with some hardwoods. Some of the aspen is two aged, but is merchantable. Some of the two aged aspen will be prescribed to harvest along with the adjoining hardwood. Some management of the hardwood has been done in the past and is therefore not ready for harvest at this time. Many of the stands have blown down timber that is beyond salvage. Access to some of the stands will need to be through private land, permission for access has not been a problem in the past.

Soil and Topography: The terrain is rolling to flat.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is a mixture of corporate and private land intermingled with state land.

Unique, Natural Features: The Net River winds through this compartment along with Porter Creek, which is a larger creek. Robinson Creek and Barrett Lake are also located in this compartment.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Special consideration along creeks, wetlands, Barrett Lake and the river.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Bald eagle occurrence to the north of the compartment. Potential for goshawk, great blue heron rookery, eagle, and osprey. Potential for wood turtle along Mike's Creek and Net River. Potential for moose and gray wolf. Potential for Assiniboia sedge in northern hardwoods, Calypso orchid to west. Good nesting area.

Mineral, Oil and Gas Considerations: Surface sediments consist of an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation subcrops below the glacial drift. There is not a current economic use for these rocks. The abandoned Warner and Porter iron mines are located six miles to the southeast. This compartment was not previously leased for metallic exploration, but potential could exist. Gravel pits are not located in the area, but there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Access for the compartment is from the Net River Road which winds through the compartment. A road system exists throughout most of the compartment, some of the roads cross private but use of these roads in the past has not been a problem.

Survey Needs: There will be some survey needs.

Recreational Facilities and Opportunities: This area has good fishing, canoeing, kayaking, and hunting opportunities. Access to some areas of the compartment is walk in only.

Fire Protection: Fire potential in the compartment is low due to the predominance of hardwoods.

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

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: 133

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		13		125	16	11													165
Black Spruce									12										12
Bog or Marsh	19																		19
Grass	9																		9
Lowlnd Brush	59																		59
Mx Swmp Cnfr								25	114	62									201
Paper Birch									13										13
Spruce Fir								26	15										41
Upland Hdwds																		186	186
Water	26																		26
White Pine																		18	18
Total	113	13		125	16	11		51	154	62								204	749

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

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: 133

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	165																										165
S Black Spruce		12																									12
V Bog or Marsh			19																								19
G Grass					9																						9
L Lowlnd Brush									59																		59
Q Mx Swmp Cnfr												201															201
B Paper Birch															13												13
F Spruce Fir																			41								41
M Upland Hdwds																								186			186
Z Water																									26		26
W White Pine																										18	18
Total	165	12	19		9				59			201			13				41					186	26	18	749

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **133**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3657 Cds	Hardwood	433 Cds
Hardwood	914 Mbf	Hardwood	223 Mbf
Softwood	4939 Cds	Softwood	554 Cds
Softwood	496 Mbf	Sum CutVol	1433 Cds
Sum TotVol	11416 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
749		97	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 133 Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
8	F6	26	65	50	spruce-fir (uplands-including upland black spruce)	mature	final harvest	1		
11	M6	23		55	northern hardwood	unevenaged	thinning	1		
16	M9	29		60	northern hardwood	in process of regeneration	selection	1		
comnts Fmd : The transition zone to the wet can be left as part of this stand but may not need cutting.										
24	M6	19		55	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Some of this is blown down on the south side. It is a long way back in but there is a road system though industrial land										

Total Acres..... 97

**Proposed Treatments
With Limiting Factors**

Compartment: 133

Entry Year: 2010

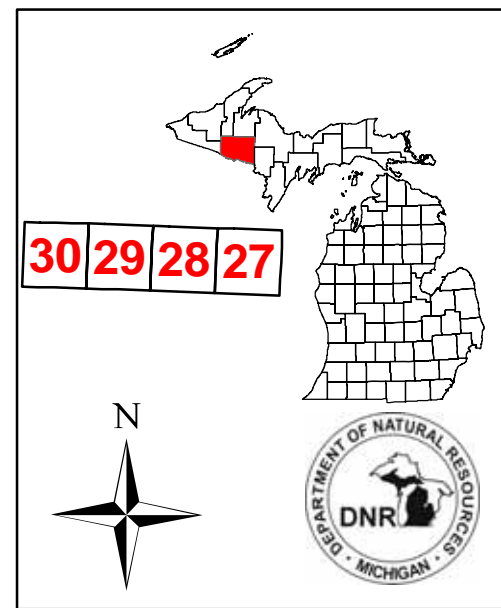
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

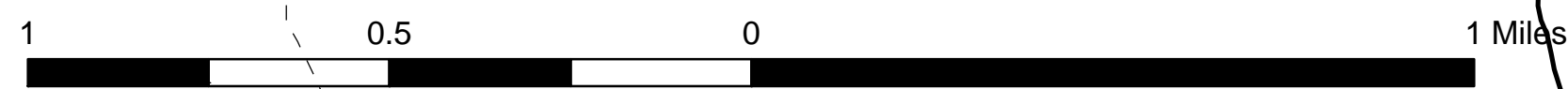
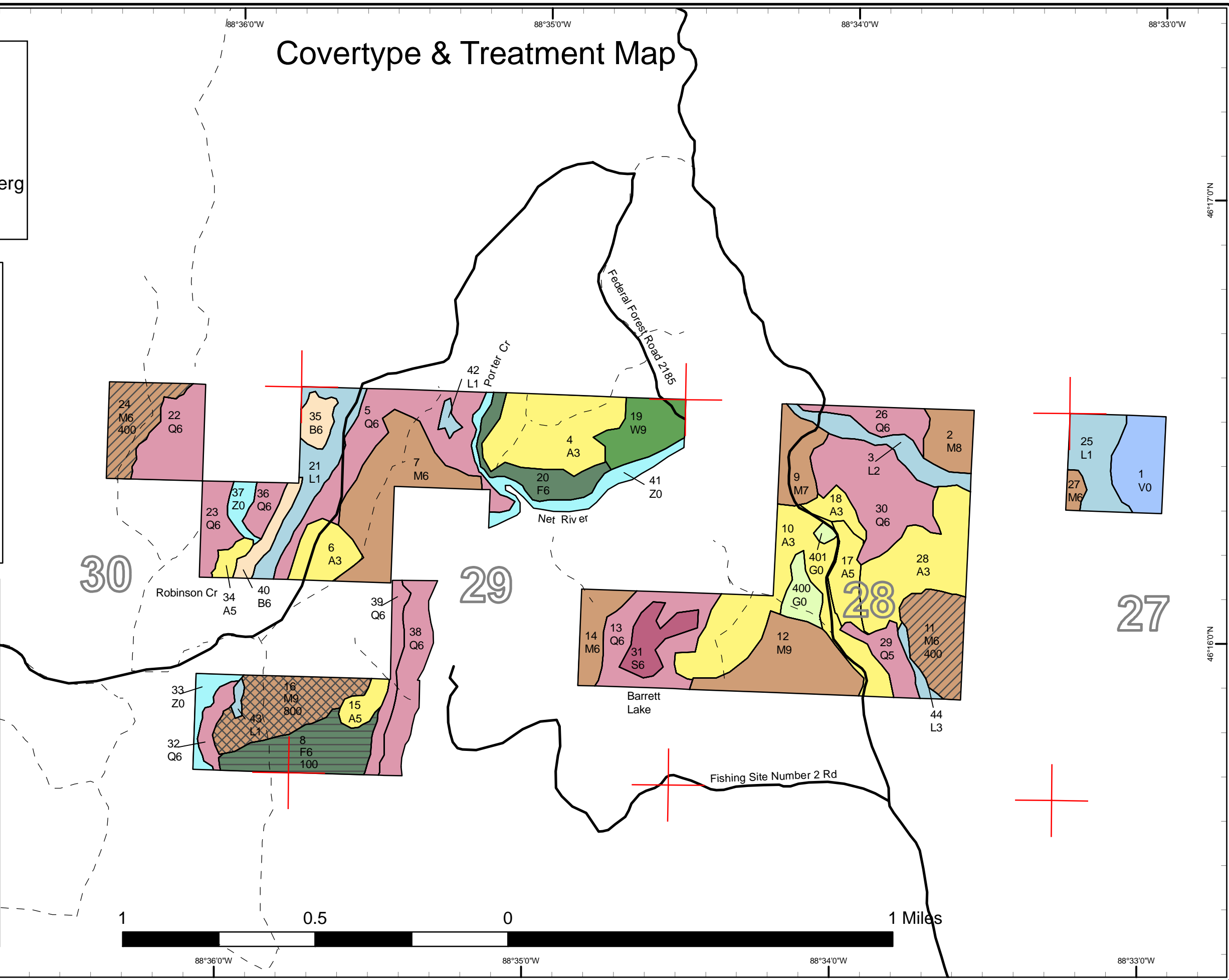
Compartment 133
 T45N, R34W, Sec. 27-30
 County: Iron
 Unit: Crystal Falls
 YOE: 2010
 Acres: 749 GIS Calculated
 Stand Examiner: Linda Lindberg
 Map Revised: 8/12/2008
 Map Phase: Pre-Review

Covertime & Treatment Map



Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning
- 800 - Selection
- A - Aspen
- B - Paper Birch
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- Q - Mixed Swamp Conifers
- S - Black Spruce Swamp
- V - Bog or Muskeg
- W - White Pine
- Z - Water

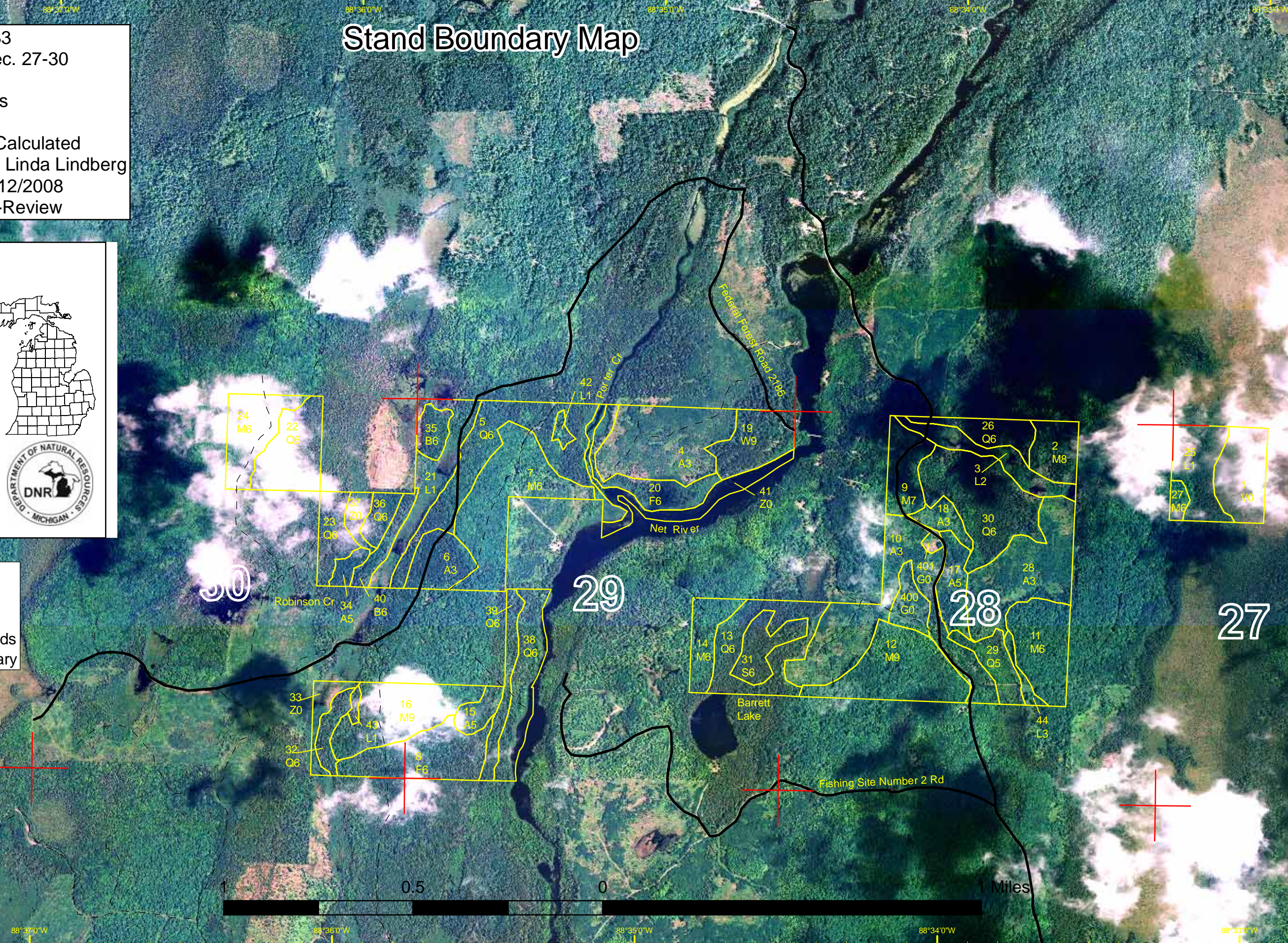
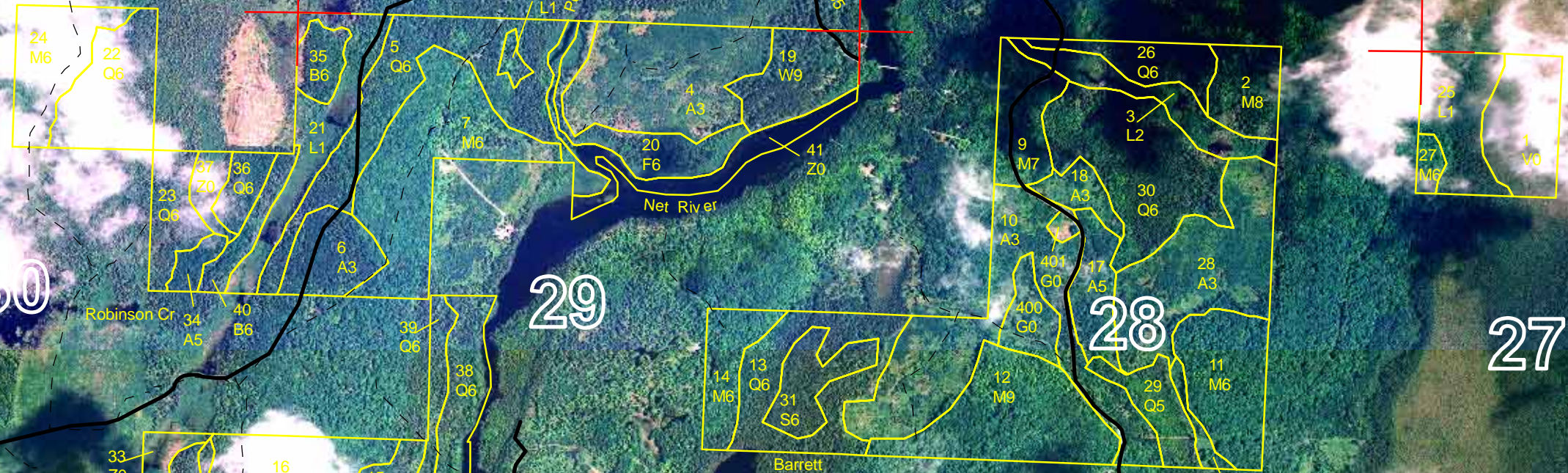


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Stand Boundary Map

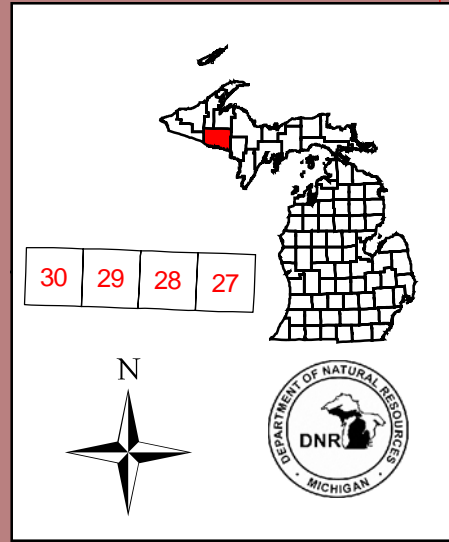
Legend

- Miris Corners
- Paved Roads
- - Poor Dirt Roads
- Stand Boundary

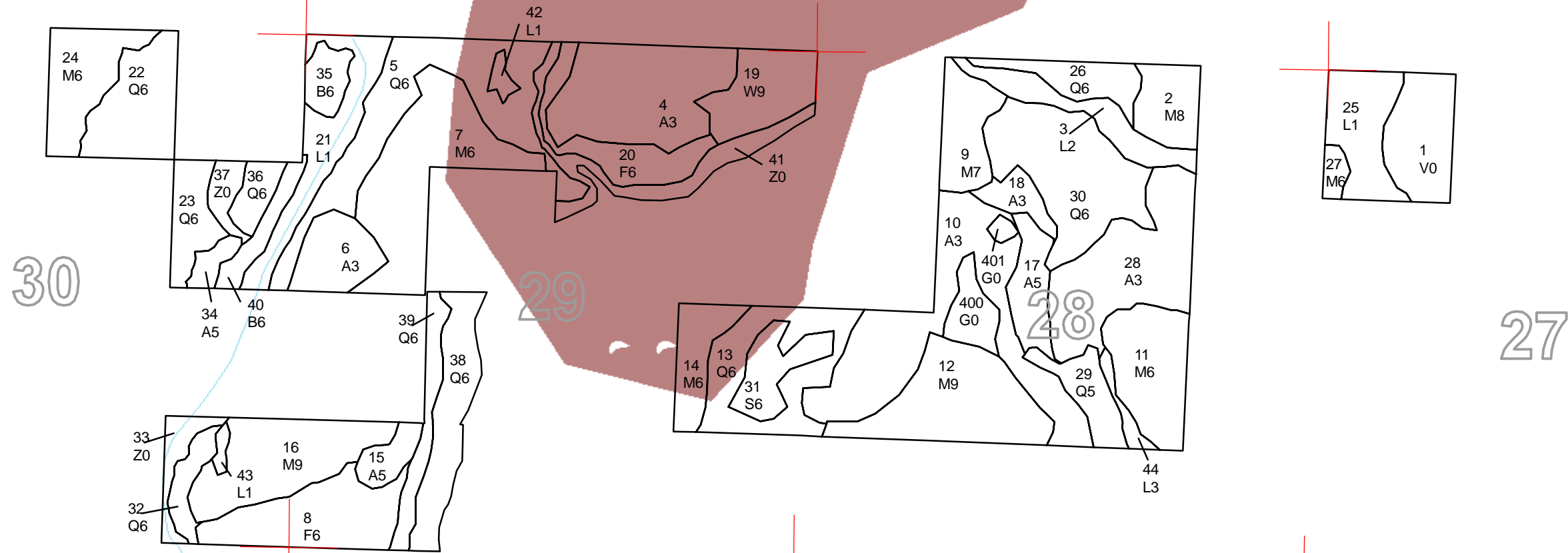


Dedicated & Proposed Special Conservation Area Map

Compartment 133
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- Legend**
- Miris Corners
 - Stand Boundary
 - Cold Water Streams
 - Deer Wintering Areas



46°17'0"N

46°16'0"N

46°17'0"N

46°16'0"N

88°37'0"W

88°36'0"W

88°35'0"W

88°34'0"W

88°33'0"W

88°37'0"W

88°36'0"W

88°35'0"W

88°34'0"W

88°33'0"W



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.
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.