



CRYSTAL FALLS FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT #45 - ENTRY YEAR: 2010
Compartment Acreage: 1072 - County: Dickinson

Revision Date: February 28, 2008

Stand Examiner: Linda Lindberg

Legal Description: T43N, R30W, Sections 4 and 10

Management Goals: This compartment has a small amount of hardwood and aspen. The largest part of this compartment is a section that was purchased by wildlife and is mostly a cedar swamp with good deer habitat. In uplands maintain types, lowlands will be managed as winter deer yard.

Soil and Topography: The terrain is fairly rolling with the swamp land flat and low.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is comprised of one block of contiguous state land. All the surrounding property is non-industrial private landowners.

Unique, Natural Features: Section 3 and part of section 4 are good quality deer yards.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Winter deer yard.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Red-disked alpine and freija fritillary to the east of the compartment. Osprey to northwest, loon to north, and eagle to southeast. Potential for goshawk and red-shouldered hawk.

Mineral, Oil and Gas Considerations: Surface sediments consist of peat and muck and coarse-textured till. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Michigamme Formation subcrops below the glacial drift. There is not a current economic use for these rocks. The abandoned iron mines near Crystal Falls are located approximately six miles to the west. A gravel pit is located in Section 16 and there is potential on the uplands. Part of this area was previously leased for metallic exploration and potential may still exist. There is no economic oil and gas production in the UP.

Vehicle Access: Access for the compartment is from highway M-95 to the Van Dusen Road. Access is across private property, there is no legal access.

Survey Needs: May need some for timber harvest.

Recreational Facilities and Opportunities: This is a good deer hunting area, access is difficult due to the private ownership surrounding the state land.

Fire Protection: Area is predominantly lowland conifer and is wet. Fire risk is low.

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

DICKINSON COUNTY

COMPARTMENT: 45

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		32	93	6	20				25										176
Grass	9																		9
Lowlnd Brush	28																		28
Mx Swmp Cnfr									87	698									785
Tamarack									60										60
Treed Bog	6																		6
Upland Hdwds																		6	6
White Pine													2						2
Total	43	32	93	6	20				172	698			2					6	1072

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

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: 45

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	176																										176
G Grass					9																						9
L Lowlnd Brush									28																		28
Q Mx Swmp Cnfr												785															785
T Tamarack																				60							60
D Treed Bog																						6					6
M Upland Hdwds																								6			6
W White Pine																										2	2
Total	176				9				28			785									60	6		6		2	1072

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **45**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	917 Cds	Hardwood	558 Cds
Hardwood	30 Mbf	Softwood	82 Cds
Softwood	23564 Cds	Softwood	68 Mbf
Softwood	89 Mbf	Sum CutVol	776 Cds
Sum TotVol	24719 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1072		25	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 45

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
1	A6	25	75	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : There is some red pine in here that can be left and a buffer should be left along the wetland as was done on the other side.										
400	G0	9			grass	nonstocked		0	opening maintenance	

Total Acres..... 34

**Proposed Treatments
With Limiting Factors**

Compartment: 45

Entry Year: 2010

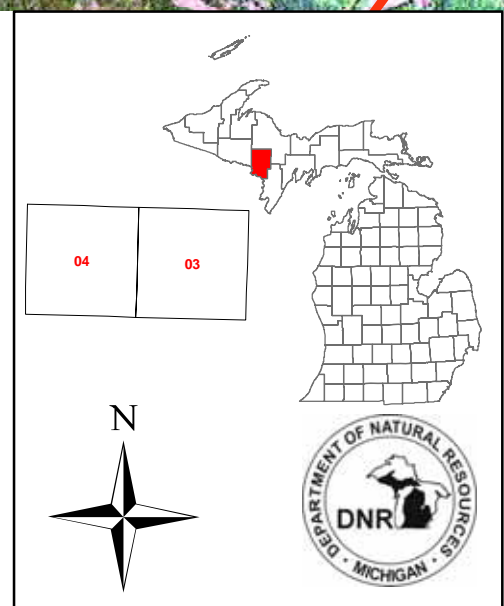
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

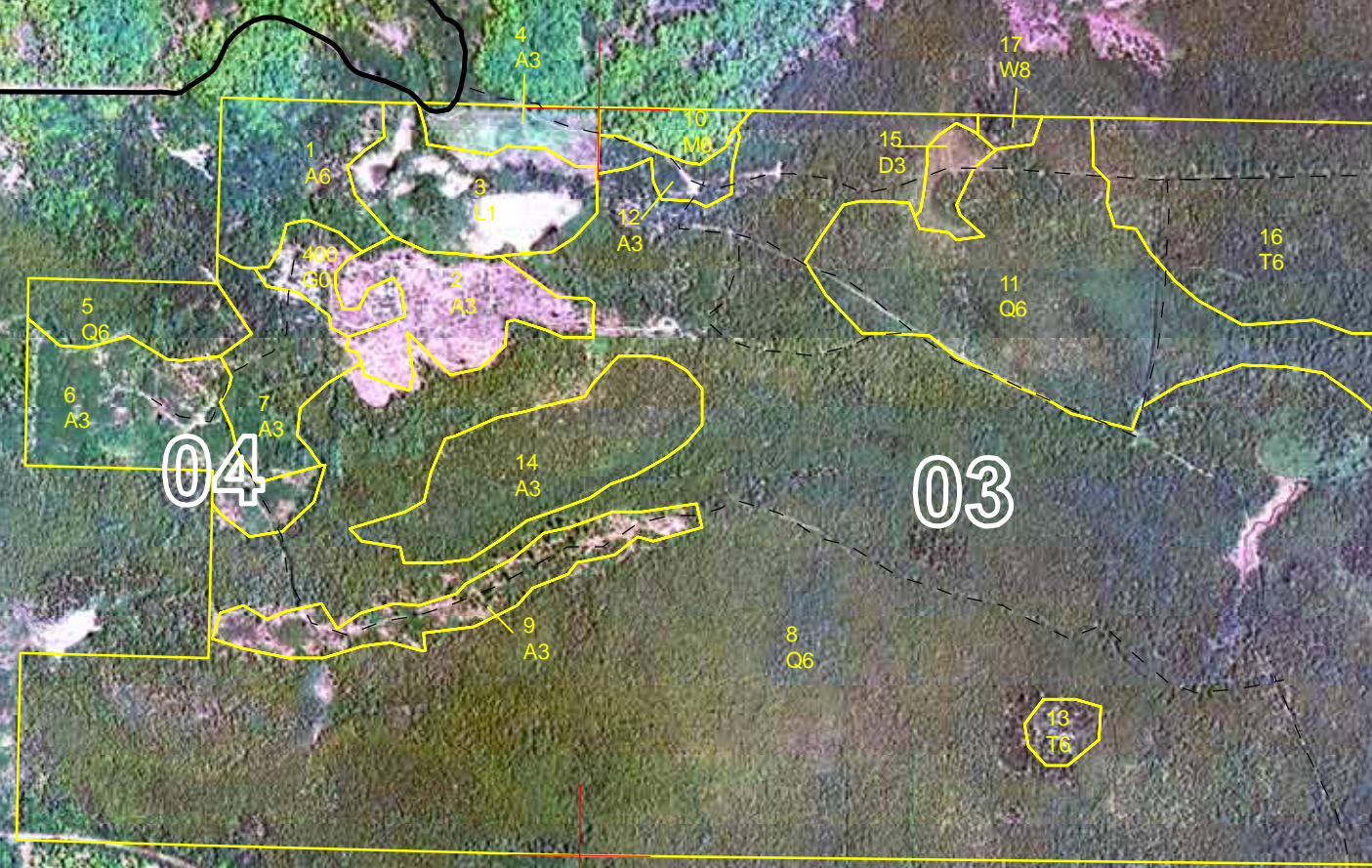
Stand Boundary Map

Compartment 45
T43N, R30W, Sec. 3, 4
County: Dickinson
Unit: Crystal Falls
YOE: 2010
Acres: 1,072 GIS Calculated
Stand Examiner: Linda Lindberg
Map Revised: 8/11/2008
Map Phase: Pre-Review



Legend

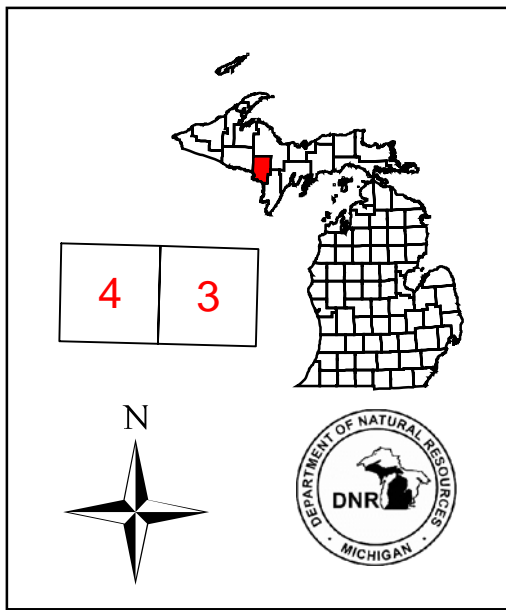
- Miris Corners
- Highways
- Paved Roads
- - - Poor Dirt Roads
- State Highway
- Stand Boundary



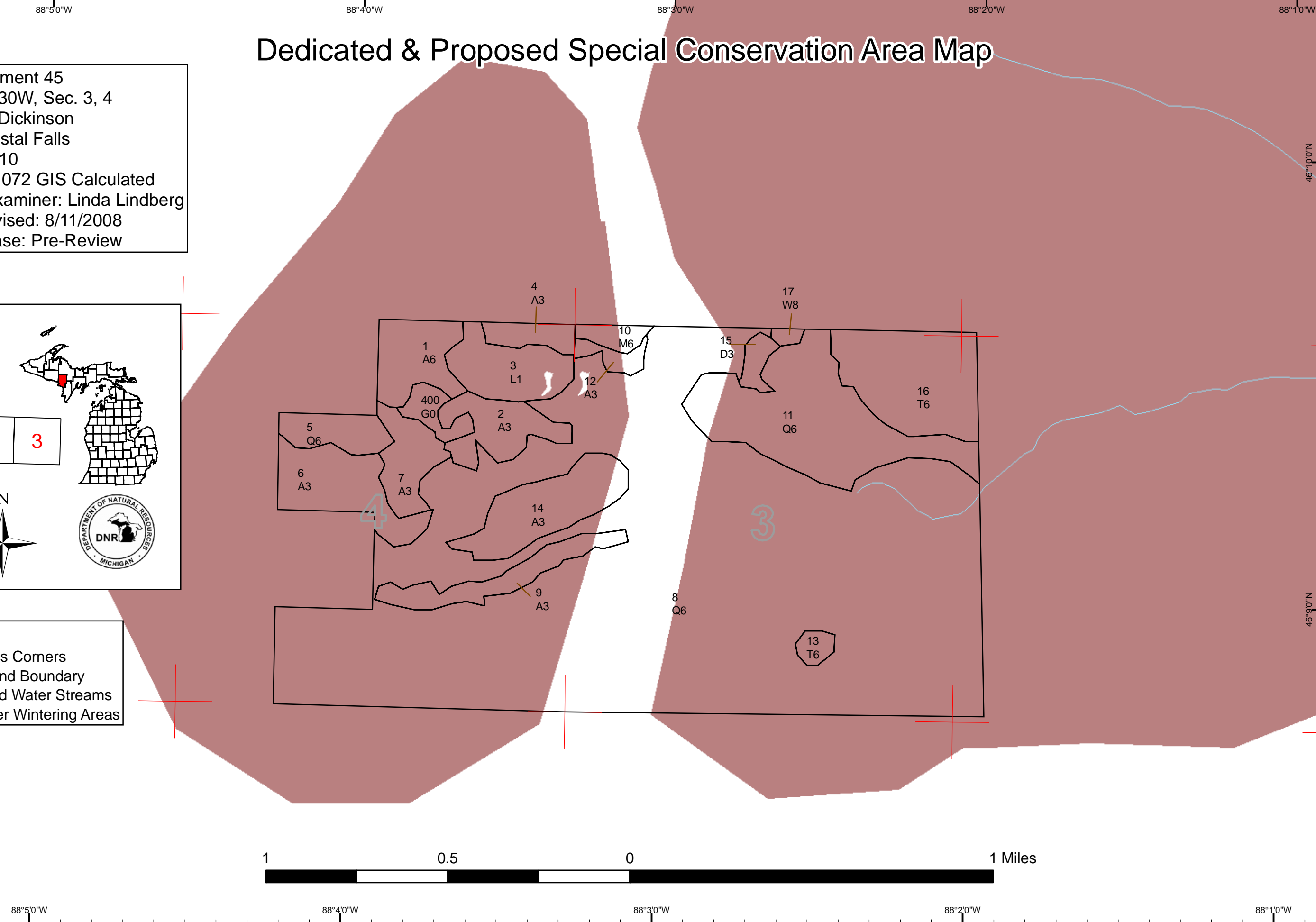
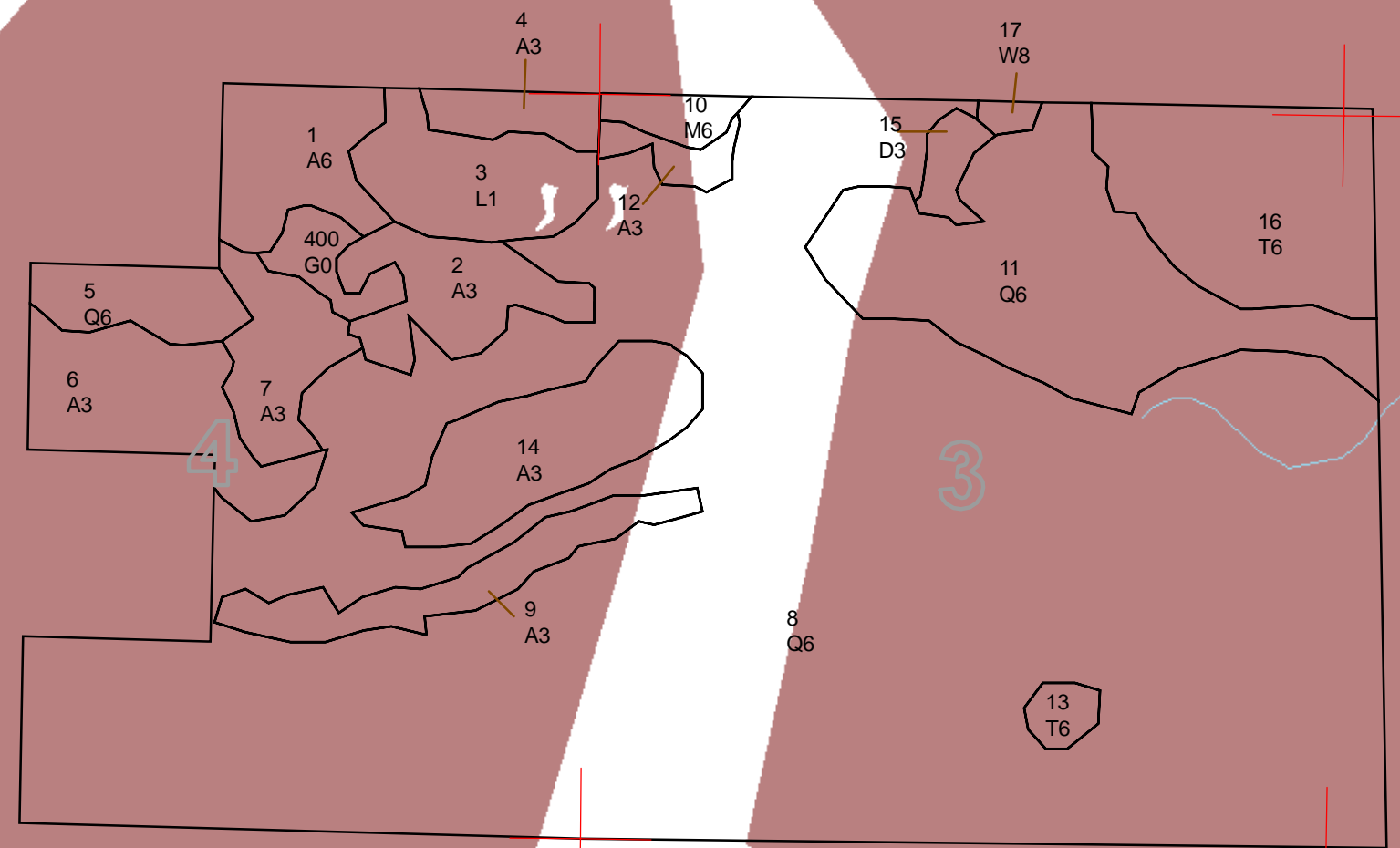
Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 45
 T43N, R30W, Sec. 3, 4
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2010
 Acres: 1,072 GIS Calculated
 Stand Examiner: Linda Lindberg
 Map Revised: 8/11/2008
 Map Phase: Pre-Review



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





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	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.