



**Crystal Falls FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #98 ENTRY YEAR 2007
Compartment Acreage:1280 County: Dickinson**

Revision Date: 06/06/05

Stand Examiner: Otto Jacob

Legal Description: RMU : Crystal Falls Management Unit; T40N R29W Sections 9,16

Management Goals: There are some small patches of nice hardwoods to thin on this compartment . We can get another stand for age class distribution in the aspen type and perhaps we can increase the pine stands on some of the rugged areas .

Soil and Topography: Many rock bluffs are found to make this a very rugged compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Small ownership in and around the compartment.

Unique, Natural Features): Gustafson, Miller and Benton Lakes are found very close to or in this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment contains most of the Rock Lake Deeryard. The hemlock and white pine component present should be maintained and expanded in the future, if possible. Swamp conifer stands should remain intact and lowland hardwood inclusions should be protected.

MINERAL, OIL AND GAS CONSIDERATIONS: Surface sediments consist of thin to discontinuous glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean granite/gneiss outcrops beneath the glacial drift. There is not a current economic use for these rocks, but the granite/gneiss has building/dimension stone potential. Abandoned Iron Mountain iron mines are located approximately six miles to the south. This compartment was previously leased for metallic exploration and potential may still exist. A gravel pit is located two miles to the south, but potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access: There are sufficient roads, but the site's rough nature limits access in wet weather.

Survey Needs: Recreational Facilities and Opportunities:

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

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: 98

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS														All Aged	Total		
	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
Aspen			434		37				173									3	647
Black Spruce						4				16									20
Grass	28																		28
Marsh	95																		95
Mx Swmp Cnfr												335							335
Red Pine																		15	15
Upland Hdwds																		132	132
Water	27																		27
Total	150		434		37	4			173	16		335						150	1299

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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: 98

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	647																										647
S Black Spruce		20																									20
G Grass					28																						28
N Marsh											95																95
Q Mx Swmp Cnfr												335															335
R Red Pine																15											15
M Upland Hdwds																								132			132
Z Water																									27		27
Total	647	20			28						95	335				15								132	27	1299	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **98**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8775 Cds	Hardwood	3986 Cds
Hardwood	291 Mbf	Hardwood	218 Mbf
Softwood	3566 Cds	Softwood	477 Cds
Softwood	124 Mbf	Softwood	72 Mbf
Sum TotVol	13171 Cds	Sum CutVol	5043 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1280		228	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 98

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
2	R6	14		50	red pine	unevenaged	thinning	1		
comnts Fmd : Remove aspen and birch, thin pine to 120 sq ft										
4	M6	8		65	northern hardwood	immature	thinning	1		
9	A6	50	70	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : VERY TOUGH-MANY BLUFFS AND WET LANDS. May not be able to harvest all of the prescribed stands										
13	M6	51		65	northern hardwood	immature	thinning	1		
47	M6	6		65	northern hardwood	immature	thinning	1		
52	M6	10		65	northern hardwood	immature	thinning	1		
53	M6	9		65	northern hardwood	immature	thinning	1		
57	M6	2		65	northern hardwood	immature	thinning	1		
68	A6	78	70	55	aspen (upland)	mature	final harvest	1		
comnts Fmd :										
Total Acres.....		228								

**Proposed Treatments
With Limiting Factors**

Compartment: 98

Entry Year: 2007

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

