



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

COMPARTMENT # 93 ENTRY YEAR: 2009

Compartment Acreage: 1086 County: Dickinson

Revision Date: 3/3/07

Stand Examiner: Otto Jacob

Legal Description: T40N, R29W, Sections 2, 3

Management Goals: This compartment has a mix of aspen and hardwood types. The hardwood should be managed for diversity, wildlife dens and high caliber timber. The aspen should be managed for diversity to encourage good forest growth, species variability and retention of patches of old trees on edges.

Soil and Topography: Compartment is hilly with good hardwood soils on most uplands.

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

Unique, Natural Features (include only non-site specific and non-sensitive information): Breen creek flows through this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): No special features.

Special Management Designations or Considerations: This area has some conifer plantings under the hardwoods.

Watershed and Fisheries Considerations: Breen creek has potential to be erosive if care is not taken in work around the banks.

Wildlife Habitat Considerations: Nice bear habitat. Establishing upland conifers would be good for birds.

Mineral Resource and Development Concerns and/or Restrictions: Compartment 93: Sections 1 - 3, T40N-R29W, Dickinson County

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 and Michigamme Formation outcrop beneath the glacial drift. There is not a current economic use for these rocks, but the granite/gneiss has building/dimension stone potential. The abandoned Calumet iron mine is located five miles to the north. Land near this compartment was previously leased for metallic exploration and potential may still exist. Gravel pits are not located in the area and potential may be limited. There is no economic oil and gas production in the UP.

Vehicle Access: Fair, considering the terrain.

Survey Needs: None

Recreational Facilities and Opportunities: Hunting, hiking, berry and mushroom picking.

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: 93

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		72		398							36								506
Black Spruce										8									8
Lowlnd Brush	84									23									107
Lowlnd Poplr				26															26
Marsh	31																		31
Mx Swmp Cnfr										67									67
Spruce Fir							13												13
Swamp Hrdwds																		10	10
Upland Hdwds																		318	318
Total	115	72		424			13			98	36							328	1086

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: 93

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	506																										506
S Black Spruce		8																									8
L Lowlnd Brush									107																		107
P Lowlnd Poplr										26																	26
N Marsh											31																31
Q Mx Swmp Cnfr												67															67
F Spruce Fir																			13								13
E Swamp Hrdwds																				10							10
M Upland Hdwds																								318		318	
Total	506	8							107	26	31	67							13	10				318		1086	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **93**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7964 Cds	Hardwood	2209 Cds
Hardwood	881 Mbf	Hardwood	265 Mbf
Softwood	1146 Cds	Sum CutVol	2739 Cds
Sum TotVol	10872 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	230
	1086		

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 33

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
1	M6	5		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
3	M6	29		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
6	M6	60		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
26	M6	55		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
29	M6	14		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
34	M6	2		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
38	A6	5	92	70	aspen (upland)	mature	final harvest	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees. Retain patches of wet timber types.										
41	M6	28		58	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
54	M6	6		58	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
58	M6	26		58	northern hardwood	unevenaged	selection	1		
comnts Fmd : If they are present in the stand, retain pines, oak, cedar, cherry and good den trees.										
Total Acres.....		230								

**Proposed Treatments
With Limiting Factors**

Compartment: 93

Entry Year: 2009

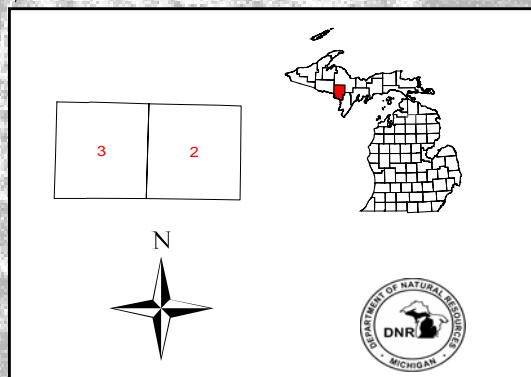
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 93
T40N, R29W, Sec. 2, 3
County: Dickinson
Unit: Crystal Falls
YOE: 2009
Acres: 1,085 GIS Calculated
Stand Examiner: Otto Jacob
Map Revised: 8/1/2007
Map Phase: Pre-Review



Legend

- Miris Corners
- Gravel Roads
- - - Poor Dirt Roads
- Stand Boundary
- ▨ 100 - Final Harvest
- ▩ 800 - Selection

