



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

**COMPARTMENT #110 ENTRY YEAR 2007
Compartment Acreage:1598 County: Dickinson**

Revision Date: 06/06/05

Stand Examiner: Otto Jacob

Legal Description: RMU: Crystal Falls Management Unit; T39N R28W Sections 5,6,7,8

Management Goals: To manage a few small stands scattered around the compartment for Pine, aspen and some hardwood.

Soil and Topography: This compartment has some very rough, rocky ground. The soils tend to be thin over rock, and can be droughty or wet due to location.

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

Unique, Natural Features : The Sturgeon river flows westerly through the southern portion of this compartment. Black creek flows southerly through a rocky valley.

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: The Black Creek bisects this compartment and the Sturgeon River bounds its southern edge. This compartment has been heavily treated in past entries and some of the aspen scheduled for harvest this entry was also scheduled last entry period. There are a series of grass openings and a hunter walking trail system that were created to provide openings for species that have grasslands as a habitat requisite. This compartment has extremely rugged terrain and access is limited to many portions of it. There is an eagle's nest to the NW.

MINERAL, OIL AND GAS CONSIDERATIONS:

Vehicle Access:

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: 110

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				123	643		50	42		14	89								961
Cedar												2							2
Grass	34																		34
Jack Pine										7									7
LowInd Brush												44							44
LowInd Poplr				12															12
Mx Swmp Cnfr										225									225
Oak										13									13
Red Pine										52								53	105
Spruce Fir					81														81
Swamp Hrdwds											8								8
Upland Hdwds										19									19
Water	74																		74
White Pine										18									18
Total	108			135	724		50	42		348	97	46						53	1603

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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: 110

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	954													7													961	
C Cedar				2																							2	
G Grass					34																						34	
J Jack Pine							2									5											7	
L LowInd Brush									44																		44	
P LowInd Poplr										12																	12	
Q Mx Swmp Cnfr												225															225	
O Oak														13													13	
R Red Pine																105											105	
F Spruce Fir																			81								81	
E Swamp Hrdwds																				8							8	
M Upland Hdwds																									19		19	
Z Water																									74		74	
W White Pine																										18	18	
Total	954			2	34		2		44	12		225		20		110			81	8					19	74	18	1603

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **110**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10864 Cds	Hardwood	1682 Cds
Hardwood	80 Mbf	Softwood	126 Cds
Softwood	4750 Cds	Softwood	36 Mbf
Softwood	726 Mbf	Sum CutVol	1880 Cds
Sum TotVol	17226 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	105
1598			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 110 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
5	A4	7	37	55	oak	sparse		0	natural regeneration		
comnts Fmd : upland brush site. Looks like an ideal location for a oak site prep burn.											
8	R6	5	80	60	red pine	immature	thinning	1			
comnts Fmd : RED WHITE AND JACK PINE PLANTATION, REMOVE ASPEN AND THIN PINE											
9	A6	1	60	58	aspen (upland)	mature	final harvest	1			
18	J6	1	80	60	red pine	mature	final harvest	1			
comnts Fmd : Leave red and white pine, cut aspen and jack pine											
19	J6	4	80	60	red pine	mature	final harvest	1			
comnts Fmd : Leave red and white pine, cut aspen and jack pine											
21	A6	18	60	58	aspen (upland)	mature	final harvest	1			
comnts Fmd : NEEDS SURVEY											
28	A6	6	60	58	aspen (upland)	mature	final harvest	1			
comnts Fmd : needs survey monuments											
40	A6	14	80	55	aspen (upland)	mature	final harvest	1			
comnts Fmd : TOUGH LOGGING ON ROCK TOP SAVE PINE FOR SEED											
56	R9	20		65	red pine	unevenaged	thinning	1			
comnts Fmd : VERY ROUGH & ROCKY TERRAIN by the creek.thin pine and cut other species											
78	R9	19		65	red pine	unevenaged	thinning	1			
comnts Fmd : BIG PINE ON HIGH QUAL SITE.VERY ROUGH & ROCKY TERRAIN ON RIVER. Thin pine to improve stand vigor											
82	R9	14		65	red pine	unevenaged	thinning	1			
comnts Fmd : ROUGH & ROCKY TERRAIN by creek.Thin pine and cut other species. Likely a portion of this stand will need to be left out of the harvest.											
Total Acres.....		109									

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 110 **Entry Year: 2007**

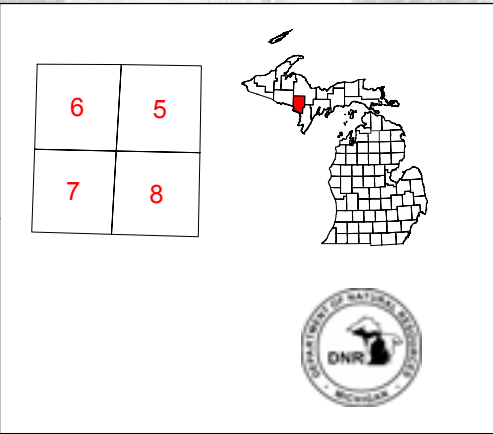
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	A6	3	60	58	aspen (upland)	mature	final harvest	1		

TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

Total Acres..... 3

Field Map

Compartment 110
 T39N, R28W, Sec. 5-8
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2007
 Acres: 1,603 GIS Calculated
 Stand Examiner: Otto Jacob
 Map Revised: 9/08/2005
 Map Phase: Pre-review



Legend

- ! RLS Corners
- Miris Corners
- ▬ Gravel Roads
- - - Poor Dirt Roads
- ⋯ Trails
- 🚙 Snowmobile Trails
- [State Access Site
- ▭ Stand Boundary
- ▨ 047 - Natural Regeneration/Prescribed Burning
- ▩ 100 - Final Harvest
- ▧ 400 - Thinning
- Name County Gravel Roads
- Name Gravel Roads
- Name Water Features

