



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

**COMPARTMENT 117# ENTRY YEAR 2008
Compartment Acreage: 1098 County: Iron**

Revision Date: 10/05/2006

Stand Examiner: Linda Lindberg

Legal Description: T45N, R32W, Sections 12, 24 and 25

Management Goals: This compartment has been fairly completely managed for aspen and there is a small component of hardwood which has been thinned in the past and is growing well. This area is fairly remote and was hit by the devastating windstorm back in August of 2005 and some harvesting of timber in the northern section of the compartment by Hardwood lake is taking place now. This harvesting was approved in the last compartment review.

Soil and Topography: the soil is amasa very fine sandy loam and Spaulding peat which accounts for the widespread wet ground. The topography is rolling but fairly flat in the southern part of the compartment and fairly rolling and hilly in the north above Hardwood lake.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The ownership around the compartment is mostly corporate and a major private land owner.

Unique, Natural Features The Fence river is a nice natural feature and the Jones Camp creek is a nice feeder stream into the Fence. There are steep banks to the river and to the creek.

Archeological, Historical, and Cultural Features

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: Fisheries strides to keep a good buffer system along the Fence River and Jones Camp Creek.

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Compartment 117: Sections 12, 24 & 25, T45N-R32W, Iron County

Surface sediments consist of coarse-textured till and an end moraine of coarse-textured till. 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 mines are located nine

miles to the southwest. Land near this compartment was previously leased for metallic exploration and potential may still exist. The nearest gravel pit is one mile to the east and there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Vehicle access is limited to the Deerfoot Lodge road in the southeast corner of the compartment and off of the Hardwood Lake road for the area in section 12.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: The Fence River is canoeable but access from this compartment is not the best. Deer hunting and grouse hunting is done here.

Fire Protection:

Additional Compartment Information: Some of the small stands that have not been harvested yet in this compartment have much blown down timber in them but because of access problems and small volumes, they were not proposed for harvest this year as was the northern section.

- **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: 117

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				346	27				4		103								480
Black Spruce				5			10			4	12							4	35
Grass	1																		1
Lowlnd Brush	113																		113
Marsh	9																		9
Mx Swmp Cnfr							7		6	15							145		173
Paper Birch										16	11								27
Spruce Fir								18	6		6								30
Swamp Hrdwds																		71	71
Upland Hdwds				11														98	109
Water	50																		50
Total	173			362	27		17	18	16	35	132						145	173	1098

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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: 117

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	480																										480
S Black Spruce		35																									35
G Grass					1																						1
L Lowlnd Brush									113																		113
N Marsh											9																9
Q Mx Swmp Cnfr												173															173
B Paper Birch	11														16												27
F Spruce Fir																			30								30
E Swamp Hrdwds																					71						71
M Upland Hdwds																								109			109
Z Water																									50		50
Total	491	35			1				113		9	173			16				30	71				109	50	1098	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: 117

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6205 Cds	Hardwood	2383 Cds
Hardwood	785 Mbf	Softwood	1408 Cds
Softwood	3740 Cds	Sum CutVol	3791 Cds
Sum TotVol	11515 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	131
1098			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 117 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
32	A6	7	94	60	aspen (upland)	old growth (potential or actual)	final harvest	1		
comnts Fmd : This stand is blown down so is being harvested now in 2006 DEER YARD										
35	A6	15	92	70	aspen (upland)	old growth (potential or actual)	final harvest	1		
comnts Fmd : This sale has been set up this year (2006) because of blown down timber that occurred in Aug. 2005. DEER YARD										
37	A6	43	92	70	aspen (upland)	old growth (potential or actual)	final harvest	1		
comnts Fmd : This is blown down and will get cut this year. DEER YARD										
38	B6	11	92	65	aspen (upland)	old growth (potential or actual)	final harvest	0		
comnts Fmd : Have scheduled for harvest because of extensive blown down timber. We would hope some birch will grow here gut it would probably come back to aspen DEER YARD										
Total Acres.....		76								

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

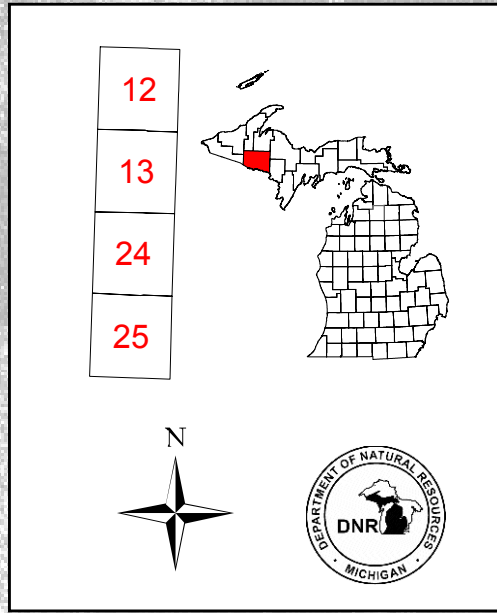
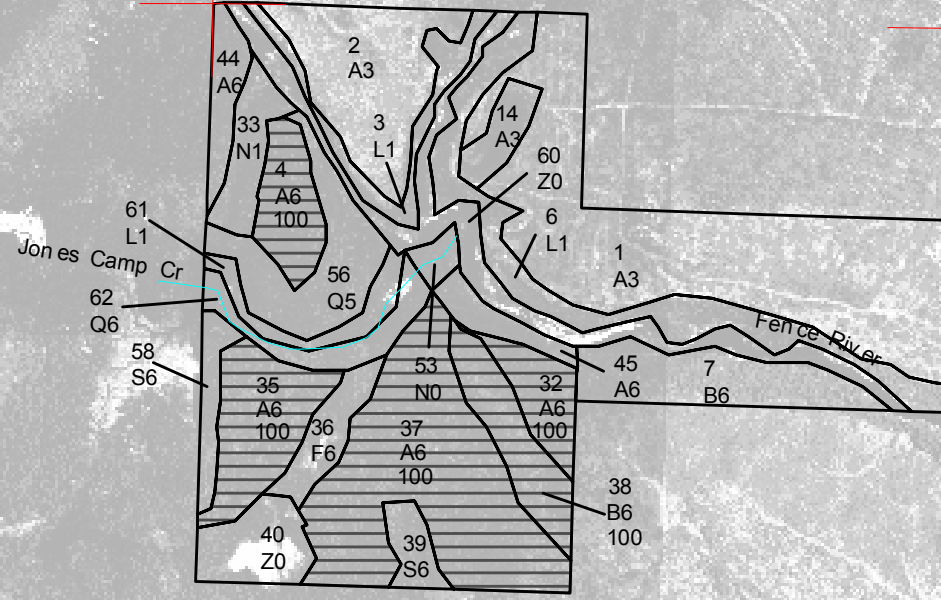
Compartment: 117 Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
4	A6	9	92	65	aspen (upland)	old growth (potential or actual)	final harvest	1		
TREATMENT LIMITING FACTORS: Too steep Water quality/bmps										
comnts Fmd : I don't know if we can get here or not but it is ribboned for harvest now (2006) because the majority is blown down from the wind event on Aug. 8, 2005. DEER YARD										
10	M6	5		65	northern hardwood	old growth (potential or actual)	selection	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : This is an OK stand that is part of a stand that belongs to a private landowner. It would be hard to get to and probably not worth the trouble due to low volume because of small acreage and some of it is blown down. DEER YARD										
11	A6	7	89	55	aspen (upland)	old growth (potential or actual)	final harvest	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : Harvest will be difficult because of access but really isn't worth the effort because of how you have to get there and not much volume most of which is blown down. DEER YARD										
12	S5	12	89	50	black spruce-swamp	old growth (potential or actual)	final harvest	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to low stocking/small diameter/etc.										
comnts Fmd : Since most of the land has been cut throughout this whole compartment and it is very wet and inaccessible, this probably isn' worth going after. It is blown down also. DEER YARD										
19	A6	12	94	50	aspen (upland)	old growth (potential or actual)	final harvest	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : this stand is too small with too low of volume most of which is blown down. DEER YARD										
20	F6	6	74	50	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	final harvest	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : This is deeryard and the acreage is low and hard to get to.										
23	A6	4	68	60	aspen (upland)	old growth (potential or actual)	final harvest	1		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : this has a mixture of A3, B1, and a few trees standing to make it A6, but some are blown down and it doesn't seem worth going to get. Hard to access DEER YARD										

Total Acres..... 55

Field Map

Compartment 117
 T45N, R32W, Sec. 12-13, 24-25
 County: Iron
 Unit: Crystal Falls
 YOE: 2008
 Acres: 1,098 GIS Calculated
 Stand Examiner: Linda Lindburg
 Map Revised: 10/6/2006
 Map Phase: Pre-review



Legend

- Miris Cornes
- Gravel Roads
- Water Features
- Stand Boundary
- 100 - Final Harvest
- 800 - Selection

