



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

COMPARTMENT #171 ENTRY YEAR: 2007

Compartment Acreage: 724 County: IRON

Revision Date: 08/29/05

Stand Examiner: SCOTT SEBERO

Legal Description: T41N-R31W SECTIONS 3, 4, 9 & 10.

Management Goals: Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain health of conifer types and increase acreage where possible. Maintain and improve road system.

Soil and Topography: Fine sandy loam with rolling hills to lowland swamps and drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State lands mixed with company lands and private parcels. Lands used mainly for hunting and fishing.

Unique, Natural Features (include only non-site specific and non-sensitive information): Michigamme Lake is just to the west of 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 is greater than 90% aspen and northern hardwood. It has 3 small drainages that provide quality spring and fall habitat for bears, deer and migrating songbirds.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of an end moraine of coarse-textured till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Michigamme Formation and Archean Granite/Gneiss and Volcanic and Sedimentary Rocks subcrop below the glacial drift. There is not a current economic use for these rocks, although the Granite/Gneiss has building/dimension stone potential. Abandoned iron mines at Crystal Falls are located ten miles to the southeast. Land near this Compartment was previously leased for metallic exploration and State lands to the immediate north are currently nominated for leasing. The nearest gravel pit is one-half mile to the north, but there is potential. There is no economic oil and gas production in the UP.

Vehicle Access: Camp 5 Road, Lower Dam Road, Upper Dam Road and associated trail system.

Survey Needs: Four corners.

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

IRON COUNTY

COMPARTMENT: 171

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			139	50			56		15										260
Grass	3																		3
Mx Swmp Cnfr									13										13
Spruce Fir									34										34
Swamp Hrdwds																		9	9
Upland Hdwds																		405	405
Total	3		139	50			56		62									414	724

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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: 171

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	260																										260
G Grass					3																						3
Q Mx Swmp Cnfr												13															13
F Spruce Fir																			34								34
E Swamp Hrdwds																				9							9
M Upland Hdwds																								405		405	
Total	260				3							13							34	9				405		724	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **171**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6587 Cds	Hardwood	1373 Cds
Hardwood	2213 Mbf	Hardwood	883 Mbf
Softwood	971 Cds	Softwood	439 Cds
Softwood	162 Mbf	Sum CutVol	3578 Cds
Sum TotVol	12308 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	274
724			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 171 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	A9	15	75	70	aspen (upland)	mature	final harvest	1		
comnts Fmd : Center of stand was blown down in 2000. Blow down trees were salvaged.										
4	F6	11	75	55	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
9	F6	23	75	55	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
comnts Fmd : Move woods trail out of drainage. Mark out low cedar area when setting up sale.										
12	M9	225		65	northern hardwood	unevenaged	selection	1		
comnts Fmd : FDF STAND										
Total Acres.....		274								

**Proposed Treatments
With Limiting Factors**

Compartment: 171 **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


Compartment 171
 T41N, R31W, Sec. 3, 4, 9, 10
 County: Iron
 Unit: Crystal Falls
 YOY: 2007
 Acres: 724 GIS Calculated
 Stand Examiner: Scott Sebero
 Map Revised: 9/08/2005
 Map Phase: Pre-review

Field Map

Legend

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

Name County Paved Roads
Name County Gravel Roads
Name Water Features



4	3
9	10

