



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

**COMPARTMENT # 168 ENTRY YEAR 2007
Compartment Acreage: 738 County: Iron**

Revision Date: May 2005

Stand Examiner: Cynthia Cooper

Legal Description: T42N,R31W, SECTIONS 12 AND 13.

Management Goals: Maintain Aspen component.

Soil and Topography: Loamy sands predominate.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private ownerships to the east, commercial forest owned by Champion and Keweenaw Land to the west, north and south.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment is comprised of aspen of various age classes and is primarily used by grouse, woodcock, deer and bear. There is a portion of Stand 4 that is comprised of spruce and aspen with scattered oak. This area is currently providing winter cover for deer. Mast, when produced by the scattered oak, attracts deer, bear and squirrels.

MINERAL, OIL AND GAS CONSIDERATIONS:

Surface sediments consist of an end moraine of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Hemlock Formation subcrops below the glacial drift. There is not a current economic use for the Hemlock. Abandoned iron mines are located six miles to the northwest. Part of this Compartment was previously leased for metallic exploration and Section 14 is nominated for leasing. The nearest gravel pit is two miles to the north, but there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Good.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: ORV and hunting use.

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: 168

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																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		All Aged
Aspen			170	43	351	25			18										607
Black Spruce									17										17
Grass	40																		40
Jack Pine																		3	3
Lowlnd Brush	1																		1
Spruce Fir																		8	8
Upland Hdws																		53	53
White Pine																		9	9
Total	41		170	43	351	25			35									73	738

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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: 168

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	607																										607
S Black Spruce		17																									17
G Grass					40																						40
J Jack Pine							3																				3
L Lowlnd Brush									1																		1
F Spruce Fir																			8								8
M Upland Hdws																								53			53
W White Pine																										9	9
Total	607	17			40		3		1										8					53		9	738

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **168**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4118 Cds	Hardwood	336 Cds
Hardwood	177 Mbf	Hardwood	71 Mbf
Softwood	368 Cds	Sum CutVol	478 Cds
Softwood	75 Mbf		
Sum TotVol	4990 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
738		18	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 168 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
3	A9	18	69	70	aspen (upland)	mature	final harvest	1		

comnts Fmd : Conks on most aspen. Nice oak in stand. Cut no oak or conifers. (2005)

Total Acres..... 18

**Proposed Treatments
With Limiting Factors**

Compartment: 168

Entry Year: 2007

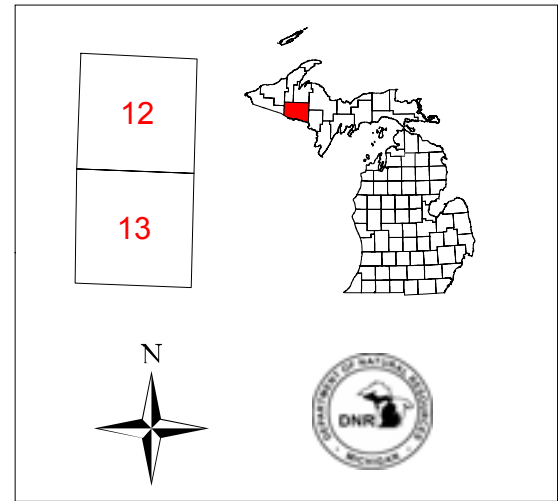
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 168
 T42N, R31W, Sec. 12, 13
 County: Iron
 Unit: Crystal Falls
 YOE: 2007
 Acres: 738 GIS Calculated
 Stand Examiner: Cynthia Cooper
 Map Revised: 9/08/2005
 Map Phase: Pre-review



Legend

- ◆ RLS Corners
- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Stand Boundary
- 100 - Final Harvest Gravel Roads

