



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

**COMPARTMENT # 128 ENTRY YEAR 2009
Compartment Acreage: 1731 County: Iron**

Revision Date: July 6, 2007

Stand Examiner: Cynthia Cooper

Legal Description: T44N,R32W, Sections 10-15, 22,23

Management Goals: Improve Northern Hardwoods and Aspen, maintain lowland types.

Soil and Topography: Well drained soils on uplands to poorly drained soils in lowlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private camps and corporate lands in and around compartment.

Unique, Natural Features: Margeson Creek, McCutcheon Creek, extensive wetlands.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Compartment 128: Sections 10 - 15 & 22 - 24, T44N-R32W, Iron Co.

Surface sediments consist of glacial outwash sand and gravel and post glacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Hemlock Formation, Randville Dolomite and Intrusive subcrop below the glacial drift. The Randville has potential as dimension stone. The abandoned Warner iron mine is located just to the west. Most of this compartment is currently leased for metallic exploration. The nearest gravel pit is located one mile to the west and there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Mostly through private.

Survey Needs: Much survey work will be required for timber sales.

Recreational Facilities and Opportunities: Hunting.

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: 128

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																All Aged	Total	
		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			
Aspen		90	154	120	109	171	41			39	35									759
Black Spruce										21	53									74
Bog or Marsh	25									58										83
Cedar										47										47
Grass	8																			8
LowInd Brush	77																			77
Marsh	50																			50
Mx Swmp Cnfr								40		43	94									177
Spruce Fir									53	96										149
Swamp Hrdwds								8	5	8										21
Upland Hdwds																			262	262
Water	18																			18
White Pine												6								6
Total	178	90	154	120	109	171	41	48	58	312	182	6							262	1731

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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: 128

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	759																										759
S Black Spruce		74																									74
V Bog or Marsh			83																								83
C Cedar				47																							47
G Grass					8																						8
L Lowlnd Brush									77																		77
N Marsh											50																50
Q Mx Swmp Cnfr												177															177
F Spruce Fir	18																		131								149
E Swamp Hrdwds																				21							21
M Upland Hdwds																								262		262	
Z Water																									18	18	
W White Pine																										6	6
Total	777	74	83	47	8				77		50	177							131	21				262	18	6	1731

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **128**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13027 Cds	Hardwood	1964 Cds
Hardwood	853 Mbf	Hardwood	203 Mbf
Softwood	6628 Cds	Softwood	424 Cds
Softwood	313 Mbf	Softwood	72 Mbf
Sum TotVol	21987 Cds	Sum CutVol	2938 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	164
1731			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 128 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
5	A6	41	49	60	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : THIS WAS A SHOPPER'S CHOICE AND THERE ARE BIG TREES MIXED IN WITH THE YOUNGER ONE(1998) Retain younger aspen and spruce fir in clumps to meet retention goals. Buffer any drainages.(2007)											
6	A6	10	79	50	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : ROCKY BLUFF ON SOUTH SIDE. STAND CONTAINS SOME OAK.(1998) East portion of stand slopes into riparian zone on Margeson Creek. This area for retention.(2007)											
8	A6	35	89	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : INCLUDES 2-3ACRE BLACK ASH LOWLAND TYPE.(1997) Oak in stand. Can hold easily if needed. If cut, retain pine and south portion along creek. Buffer any drainages.(2007)											
17	M6	14		62	northern hardwood	unevenaged	selection	2	thinning		
comnts Fmd : Unmarked trees will meet retention goals. Follow up with regeneration check.(2007)											
42	F6	18	84	60	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : GOOD COVER- CEDAR SOME SPOTS(1998) Poor stand. Retain smaller spruce and fir.(2007)											
43	M6	24		65	northern hardwood	unevenaged	selection	2	thinning		
comnts Fmd : HARVESTED WITHIN TEN YEARS. NO CUTTING THIS TIME.(1998) Some low, wet areas. Hemlock, YB and F in stand. Will need survey. Unmarked trees will meet retention goals. Follow up with regeneration check.(2007)											
83	A6	22	79	65	aspen (upland)	mature	final harvest	2			
comnts Fmd : Cut no paper birch or tamarack (few in stand). Retain buffer along bog. (2007)											
Total Acres.....		164									

**Proposed Treatments
With Limiting Factors**

Compartment: 128

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

