



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

COMPARTMENT #144 ENTRY YEAR: 2009

Compartment Acreage: 1171 County: IRON

Revision Date: 07/12/07

Stand Examiner: SCOTT SEBERO

Legal Description: T43N-R31W SECTION 10, 11, & 12.

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. Develop buffers on lakes and streams. Maintain and improve road system.

Soil and Topography: Karlin sands on flat to 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): Headwaters of the Ford River.

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:

Mineral Resource and Development Concerns and/or Restrictions:

Compartment 144: Section 10 - 12, T43N-R31W, Iron Co.

Surface sediments consist of an end moraine of coarse-textured till and medium-textured till. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Michigamme and Hemlock Formations, Randville Dolomite and Archean Volcanic and Sedimentary rocks subcrop below the glacial drift. The Randville can be used as dimension stone. The Crystal Falls abandoned iron mines are located four miles to the southwest and Lake Ellen is located just to the north. Section 10 and part of Section 12 are currently leased for metallic exploration. The nearest gravel pit is located three miles to the south, but there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: From Way Dam Road by woods roads.

Survey Needs: None

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: 144

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		27	98	174	147	2				19									467
Black Spruce									25	9									34
Cedar											238			95					333
Grass	2																		2
Lowlnd Brush	26																		26
Mx Swmp Cnfr										101									101
Non Stocked	5																		5
Spruce Fir										30									30
Swamp Hrdwds							11			9									20
Upland Hdwds										153									153
Total	33	27	98	174	147	2	11		25	321	238			95					1171

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Michigan Department of Natural Resources - Operations Inventory System
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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	467																										467
S Black Spruce		34																									34
C Cedar				333																							333
G Grass					2																						2
L Lowlnd Brush									26																		26
Q Mx Swmp Cnfr												101															101
X Non Stocked													5														5
F Spruce Fir																			30								30
E Swamp Hrdwds																				20							20
M Upland Hdwds																								153		153	
Total	467	34		333	2				26			101	5						30	20				153		1171	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **144**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6936 Cds	Hardwood	757 Cds
Hardwood	144 Mbf	Softwood	509 Cds
Softwood	7618 Cds	Sum CutVol	1266 Cds
Softwood	2574 Mbf		
Sum TotVol	19990 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	54
	1171		

CRYSTAL FALLS FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 144 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
6	M6	4	85	55	northern hardwood	immature	removal	1		
comnts Fmd : CUT WITH STAND 36. Retain 3% B.A..										
7	A6	4	85	65	aspen (upland)	two aged	final harvest	1		
comnts Fmd : Retain 3% acres along stand 24.										
16	F6	24	87	65	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
comnts Fmd : Retain 3 % acres along stand 30. 1 & 1/2 chain buffer along stand 30. Will accept aspen if fir type doesn't regenerate well.										
18	A6	12	87	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : Retain 3% acres along stand 17.										
19	A6	3	87	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Retain 3% acres along stand 17.										
31	F6	1	85	50	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
comnts Fmd : Retain 3% acres along stand 11.										
36	F6	5	85	50	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
comnts Fmd : Retain 3% acres along stand 11. Will accept aspen if fir doesn't regenerate well.										
39	M6	1	85	55	northern hardwood	immature	removal	1		
comnts Fmd : CUT WITH STAND 18. Retain 3% B.A.										
Total Acres.....		54								

**Proposed Treatments
With Limiting Factors**

Compartment: 144

Entry Year: 2009

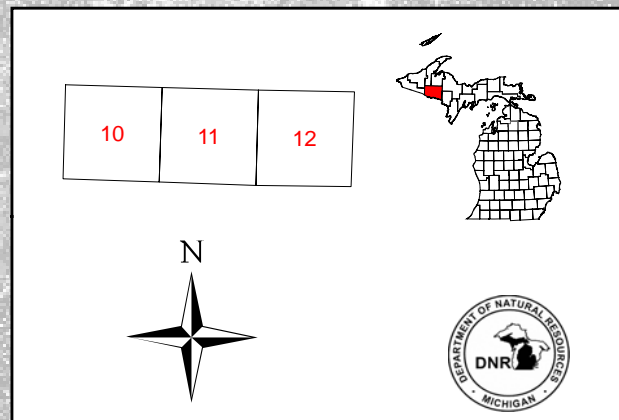
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 144
 T43N, R31W, Sec. 10-12
 County: Iron
 Unit: Crystal Falls
 YOE: 2009
 Acres: 1,171 GIS Calculated
 Stand Examiner: Scott Sebero
 Map Revised: 7/16/2007
 Map Phase: Pre-Review



Legend

- RLS Corners
- Miris Corners
- Railroads
- Trails
- Stand Boundary
- 100 - Final Harvest
- 500 - Removal

