



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

**COMPARTMENT #138 ENTRY YEAR 2009
Compartment Acreage: 990 County: Iron**

Revision Date: 7/16/2007

Stand Examiner: Linda Lindberg

Legal Description: T43N, R33W; sections 31 and 32 and T44N, R34W; sections 13,14,23,24,25,26,35 &36

Management Goals: This compartment is a group of parcels bordering the Paint river and access is through other ownership but it is a good deal of decent hardwood which would be managed to mature stages and there are multiple aged aspen stands which can continue to be managed for aspen. Also, there are conifer stands which mostly border the river and therefore will be left for a buffer along the creeks and the Paint river.

Soil and Topography: The terrain is fairly rolling with steep banks down to the river.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is a mixture of corporate land, private land with ours intermingled. Most has been managed and will continue to be with the proper buffers along the river.

Unique, Natural Features: The Paint river winds through this compartment including Hemlock rapids, and a few streams including Crystal Spring Creek and Fire Lake Creek.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations: Special consideration along creeks, wetlands and the river.

Watershed and Fisheries Considerations: Quality smallmouth bass fishery with seasonal trout waters.

Wildlife Habitat Considerations: Good nesting area.

MINERAL, OIL AND GAS CONSIDERATIONS: Compartment 138: Sections 23-26 & 36, T44N-R34W and Sections 31 & 32, T44N-R33W, Iron Co.

Surface sediments consist of coarse-textured till and minor glacial outwash sand and gravel and post glacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Badwater Greenstone and Michigamme Formation subcrop below the glacial drift. There is not a current economic use for these rocks. The abandoned Warner and Porter iron mines are located four miles to the east. Part of this compartment was previously leased for metallic exploration and potential may still exist. A gravel pit is located in Section 36 and there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Access for the compartment is from the Bates Amasa road. A road system exists throughout most of the compartment but does go through other's land as well. So far, access has not been denied to get timber harvested or use area for other considerations.

Survey Needs: None to my knowledge.

Recreational Facilities and Opportunities: This area is a good fishing, canoeing and kayaking and hunting opportunities if you don't mind walking.

Fire Protection: This area would probably have low fire danger because of the hardwood which is less flammable, but access could be obtained from landowners such as keys for gates or just permission to cross land as we have in the past.

Additional Compartment Information: We may possibly obtain a piece of land in the northern section of this compartment which would be a great addition and would add to the acres of the area that is state owned.

- **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: 138

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		35		158	134	59			20	9									415
Black Spruce											14								14
Cedar										1	27				7				35
Grass	1																		1
Lowlnd Brush	27																		27
Mx Swmp Cnfr									21										21
Paper Birch										6									6
Spruce Fir									60	76	14								150
Swamp Hrdwds																		5	5
Treed Bog	2																		2
Upland Hdwds																		251	251
Water	63																		63
Total	93	35		158	134	59			101	92	55				7			256	990

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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: 138

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	415																										415	
S Black Spruce		14																										14
C Cedar				35																								35
G Grass					1																							1
L Lowlnd Brush									27																			27
Q Mx Swmp Cnfr												21																21
B Paper Birch															6													6
F Spruce Fir																			150									150
E Swamp Hrdwds																				5								5
D Treed Bog																						2						2
M Upland Hdwds																								251				251
Z Water																									63			63
Total	415	14		35	1				27			21			6				150	5		2		251	63		990	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **138**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7356 Cds	Hardwood	2907 Cds
Hardwood	2077 Mbf	Hardwood	196 Mbf
Softwood	4124 Cds	Softwood	1147 Cds
Softwood	494 Mbf	Softwood	72 Mbf
Sum TotVol	16622 Cds	Sum CutVol	4590 Cds
Total Cmpnt Acres		Acres Proposed For Cut.....	164
990			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 138 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
16	A6	59	42	65	aspen (upland)	immature	final harvest	1		
comnts Fmd : THIS STAND WAS PARTIALLY HARVESTED SEVERAL TIMES AND IS A MIX OF AGES BUT WILL HOLD UP AT LEAST ANOTHER TEN YEARS. This has 47 year old trees and 70+ old trees so I think can be harvested to get the value from the old trees and the 47 year old ones are good to harvest.										
20	F6	45	84	50	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
comnts Fmd : there is some small wet spots in this and those would be bufferd and left out.										
21	M9	40		70	northern hardwood	unevenaged	selection	1		prescribed for fdf treatment
comnts Fmd :										
23	A6	20	77	60	aspen (upland)	mature	final harvest	1		

Total Acres..... 164

**Proposed Treatments
With Limiting Factors**

Compartment: 138

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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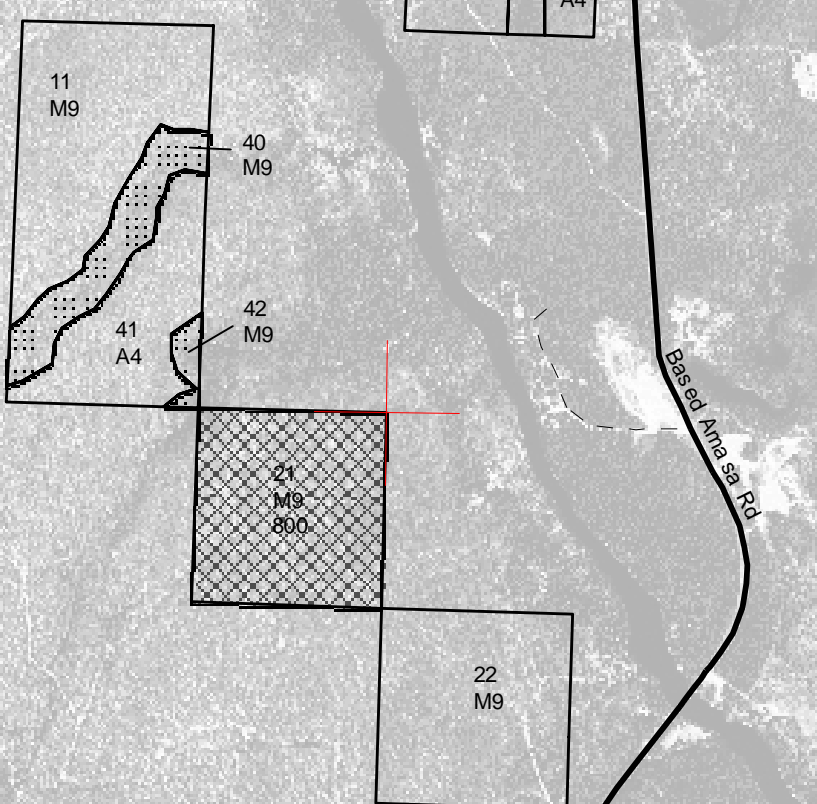
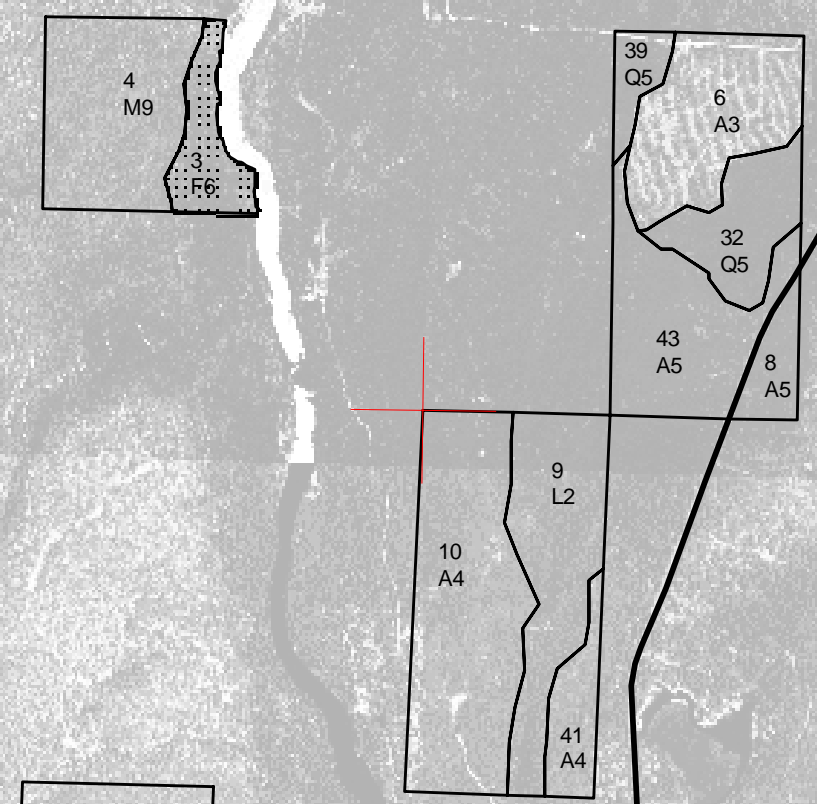
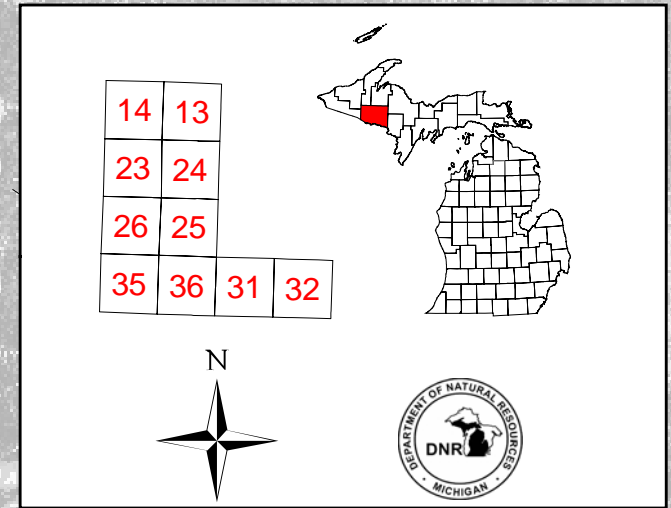
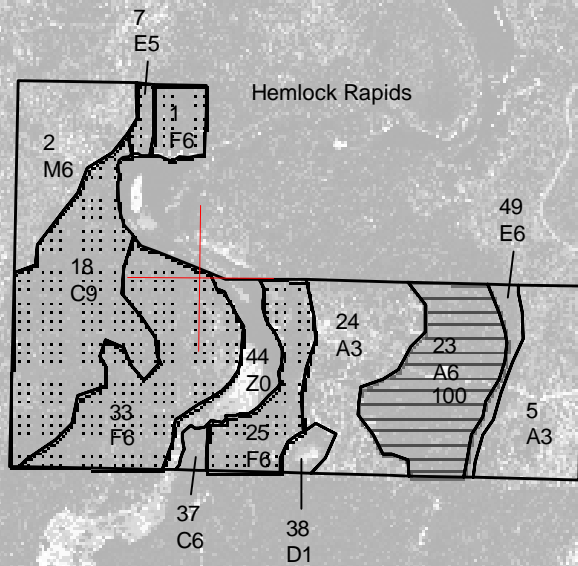
TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 138
 T44N, R34W, Sec. 13, 14, 23-26, 35, 36
 T44N, R33W, Sec. 31, 32
 County: Iron
 Unit: Crystal Falls
 YO: 2009
 Acres: 990 GIS Calculated
 Stand Examiner: Linda Lindberg
 Map Revised: 8/7/2007
 Map Phase: Pre-Review

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- Legend**
- Miris Corners
 - Highways
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - US Highway
 - Stand Boundary
 - Biodiversity/Old Growth Areas
 - 100 - Final Harvest
 - 800 - Selection

