



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

COMPARTMENT #141 ENTRY YEAR: 2008

Compartment Acreage: 1107 County: IRON

Revision Date: 09/20/06

Stand Examiner: SCOTT SEBERO

Legal Description: T43N-R33W SECTIONS 16, 17, 18 & 19.

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): Long Lake, Lake Emily and Chicagon Creek.

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:

Surface sediments consist of medium and coarse-textured till and glacial outwash sand and gravel and post glacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Badwater Greenstone subcrops below the glacial drift. There is not a current economic use for the Badwater. The abandoned Crystal Falls iron mines are located five miles to the east. Land near this compartment was previously leased for metallic exploration and potential may still exist. The nearest gravel pit is located in Section 20 and there should be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Iron County Rec. Trail, Lake Emily Road, Long Lake Road and U.S. 2.

Survey Needs:

Recreational Facilities and Opportunities: Iron County Rec. Trail runs through compartment. Access point with boat landing on Long Lake.

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: 141

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS														All Aged	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
Aspen		30	11	109	138				6	45									339
Black Spruce										40									40
Bog or Marsh	42																		42
Cedar									30										30
Grass	5																		5
Local Name	9													1					10
LowInd Brush	9																		9
Mx Swmp Cnfr									17										17
Oak																		3	3
Red Pine										1				3					4
Spruce Fir							15			3									18
Treed Bog	87																		87
Upland Hdwds																		471	471
Water	8																		8
White Pine																		24	24
Total	160	30	11	109	138		15		53	89				4				498	1107

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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: 141

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	339																										339
S Black Spruce		40																									40
V Bog or Marsh			42																								42
C Cedar				30																							30
G Grass					5																						5
I Local Name								10																			10
L LowInd Brush									9																		9
Q Mx Swmp Cnfr												17															17
O Oak														3													3
R Red Pine																4											4
F Spruce Fir																			18								18
D Treed Bog																						87					87
M Upland Hdwds																								471			471
Z Water																									8		8
W White Pine																										24	24
Total	339	40	42	30	5			10	9			17		3		4			18			87		471	8	24	1107

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **141**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	16675 Cds	Hardwood	6418 Cds
Hardwood	573 Mbf	Hardwood	139 Mbf
Softwood	1984 Cds	Softwood	255 Cds
Softwood	102 Mbf	Sum CutVol	6951 Cds
Sum TotVol	20009 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	423
1107			

CRYSTAL FALLS FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 141 Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
5	A6	21	85	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : Need to consider sky line view. Need to get local comments.										
18	A6	6	76	60	aspen (upland)	two aged	final harvest	1		
19	M6	83		62	northern hardwood	immature	thinning	1		
20	M6	121		62	northern hardwood	unevenaged	thinning	1		
22	M6	6		60	northern hardwood	unevenaged	removal	1		
29	S6	1	84	45	black spruce-swamp	mature	final harvest	1		
33	A6	3	84	60	aspen (upland)	mature	final harvest	1		
36	A6	1	84	60	aspen (upland)	mature	final harvest	1		
comnts Fmd : Part of stand 51, but state has full ownership.										
41	A6	3	84	60	aspen (upland)	mature	final harvest	1		
42	A6	2	84	60	aspen (upland)	mature	final harvest	1		
44	A6	9	34	68	aspen (upland)	mature	final harvest	1		
46	O9	3		60	oak	mature	removal	1		
48	M6	40		62	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Undivided interest. Land in process of being traded to State.										
49	M6	82		62	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Undivided interest. Land in process of being traded away.										
50	M6	21		62	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Undivided interest. Land in the process of being traded to the State.										
51	A6	14	84	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : Undivided interest. Land in the process of being traded to the State.										
52	M6	4		62	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Undivided interest. Land in the process of being traded to the State.										
Total Acres.....		420								

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 141 **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
54	F6	3	84	45	spruce-fir (uplands- including upland black spruce)	mature	final harvest	2		

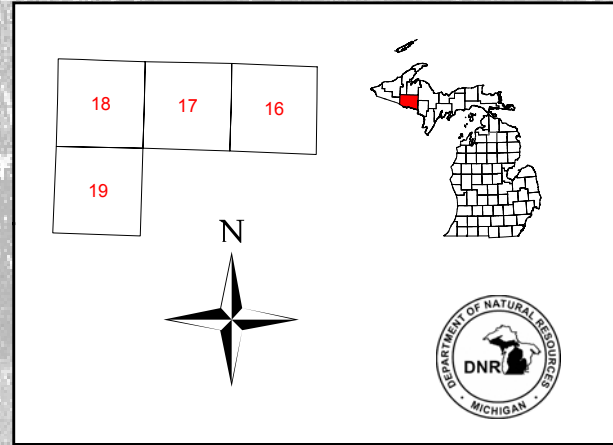
TREATMENT LIMITING FACTORS: Too wet
Influence zones
Inadequate volume due to small acreage

comnts Fmd : Very wet access. May be hard to cut in winter because the snowmobile trail would need to be used for access.

Total Acres..... 3

Field Map

Compartment 141
 T43N, R33W, Sec. 16-19
 County: Iron
 Unit: Crystal Falls
 YOE: 2008
 Acres: 1,107 GIS Calculated
 Stand Examiner: Scott Sebero
 Map Revised: 10/6/2006
 Map Phase: Pre-review



Legend

- RLS Corners
- Miris Corners
- County Gravel Roads
- Poor Dirt Roads
- Trails
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning
- 500 - Removal

