



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

**COMPARTMENT 173 ENTRY YEAR 2008
Compartment Acreage: 1922 County: Iron**

Revision Date: 9/19/2006

Stand Examiner: Cynthia Cooper

Legal Description: T41N R32W sections 2-4, 8-12,15,17

Management Goals: to maintain Aspen component and improve red oak, pine and hardwoods within the compartment.

Soil and Topography: Soils are sandy loam to loamy sand, rolling hills to wet lowlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private and corporate lands scattered throughout compartment. Highly used for recreation.

Unique, Natural Features: Brule River and Paint River Pond.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Compartment 173: Sections 2 – 5, 8 – 12 & 15, T41N-R32W, Iron County

Surface sediments consist of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Michigamme and Dunn Creek Formations and the Badwater Greenstone subcrops below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines at Crystal Falls are located seven miles to the north. This Compartment was not previously leased for metallic exploration, but could have potential. A gravel pit is located in Section 9 and there is potential. There is no economic oil and gas production in the UP.

Vehicle Access: Very good throughout most of compartment. Some two tracks accessible by four wheel drive.

Survey Needs: None

Recreational Facilities and Opportunities: Hunting and fishing. A snowmobile trail runs through the west side of compartment.

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: 173

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		70	210	143	278	13	33	9	94	273									1123
Cedar															16				16
Grass	61																		61
Mx Swmp Cnfr											5		14						19
Oak			76							224	74							45	419
Red Pine				2		142												55	199
Spruce Fir											25								25
Upland Hdwds																		58	58
Water	2																		2
Total	63	70	286	145	278	155	33	9	94	497	104		14		16			158	1922

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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: 173

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	1123																										1123
C Cedar				16																							16
G Grass					61																						61
Q Mx Swmp Cnfr												19															19
O Oak														419													419
R Red Pine																199											199
F Spruce Fir																			25								25
M Upland Hdwds																								58			58
Z Water																									2		2
Total	1123			16	61							19		419		199			25					58	2		1922

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **173**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	16573 Cds	Hardwood	4140 Cds
Hardwood	4032 Mbf	Hardwood	834 Mbf
Softwood	6350 Cds	Softwood	1346 Cds
Softwood	530 Mbf	Softwood	26 Mbf
Sum TotVol	32047 Cds	Sum CutVol	7206 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1922		320	

CRYSTAL FALLS FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 173 Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
5	A9	11	78	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : Clearcut with 3-10% oak retention . Also cut no pine.(2006)											
6	O6	57	78	70	oak	immature	shelterwood-seed	1	natural regeneration		
comnts Fmd : Shelterwood cut to 50' BA oak retention. Summer cut for scarification (after July 15). (2006)											
25	R6	54	43	60	red pine	immature	thinning	1	thinning		
comnts Fmd : CONSIDER THINNING NEXT CYCLE.(1996) Third row thin. (2006)											
30	R6	28	42	60	red pine	immature	thinning	1	thinning		
comnts Fmd : Third row thin. (2006)											
40	A9	59	75	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : COULD CALL OAK OR ASPENTYPE. ALSO 10 BA IN HDWD. STILL IN GOOD COND. LOST ABOUT THIRD OF WHITE BIRCH COMPONENT.(1996) Clearcut with 3-10% oak retention. Also cut no pine (2006)											
45	A9	10	75	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : COULD CALL OAK OR ASPENTYPE. ALSO 10 BA IN HDWD. STILL IN GOOD COND. LOST ABOUT THIRD OF WHITE BIRCH COMPONENT.(1996) Clearcut with 3-10% oak retention. Also cut no pine.(2006)											
68	A9	10	78	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : Clearcut with 3-10% oak retention. Also cut no pine.(2006)											
73	A6	26	80	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : ALSO W1 IN UNDERSTORY SOME PLACES(1996). Formerly a part of stand 12. Clear cut with oak, pine retention(2006)											
74	A6	27	80	70	aspen (upland)	mature	selection	1	natural regeneration		
comnts Fmd : ALSO W1 IN UNDERSTORY SOME PLACES(1996). Patch cuts 1-3 acres in size to reproduce oak. Summer cut (after July 15) to scarify. Unable to determine actual cut volume at this time. (2006)											
75	A6	38	80	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : LEAVE UNTIL NEXT CUTTING CYCLE.(1996) Clearcut retaining oak and pine. (2006)											
Total Acres.....		320									

**Proposed Treatments
With Limiting Factors**

Compartment: 173

Entry Year: 2008

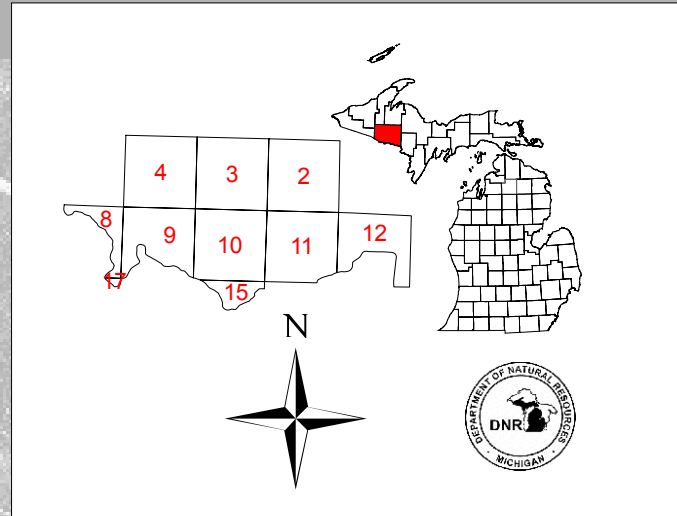
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres.....0

Field Map

Compartment 173
 T41N, R32W, Sec. 2-4, 8-12, 15, 17
 County: Iron
 Unit: Crystal Falls
 YOE: 2008
 Acres: 1,922 GIS Calculated
 Stand Examiner: Cynthia Cooper
 Map Revised: 11/28/2006
 Map Phase: Pre-review



Legend

- RLS Corners
- Miris Corners
- Highways
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Railroad
- Powerlines
- Closed Roads
- US Highway
- Stand Boundary
- 100 - Final Harvest
- 346 - Shelterwood-seed/Natural Regeneration
- 476 - Thinning/Thinning
- 846 - Selection/Natural Regeneration

