



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

COMPARTMENT # 70 ENTRY YEAR: 2009

Compartment Acreage:1615 County: Dickinson

Revision Date: 3/3/07

Stand Examiner: Otto Jacob

Legal Description: T41N R28W Section 5, 6, 7, 8 T42N R28W Sections 31, 32

Management Goals: To sustain and promote mature pine cover. To protect and promote deer yard area.

Soil and Topography: Thin soils on predominately rocky ground. In the lower areas are wet drainages and also areas of sandy outwash soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The small private ownerships are found within and around the compartment.

Unique, Natural Features (include only non-site specific and non-sensitive information): Precambrian mountain range is potential host of unusual flora and fauna.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Wing dam site was an original pine era logging dam .

Special Management Designations or Considerations: This compartment should be kept as a special value area. Operations such as logging are very difficult at best. The only stand that is considered merchantable was occupied by a raptor nest during the last year of entry.

Watershed and Fisheries Considerations: The Sturgeon river is to kept wild as possible.

Wildlife Habitat Considerations: Deer yard is being used and appears to be in good condition.

Mineral Resource and Development Concerns and/or Restrictions: Compartment 70: Sections 5 - 8, T41N-R28W & Sections 31 &32, T42N-R28W and Section 31, T42N-R29W, Dickinson County

Surface sediments consist of medium and coarse-textured till in places thin to discontinuous over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Cambrian Munising Formation and Precambrian Michigamme Formation and Archean Granite/Gneiss outcrop beneath the glacial drift. There is not a current economic use for these rocks, but the Granite/Gneiss may have building/dimension stone potential. The abandoned Calumet iron mine is located in Section 8. This compartment was previously leased for metallic exploration and iron ore has been removed. A gravel pit is located in the Section 8 and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Poor

Survey Needs: None

Recreational Facilities and Opportunities: Hunting and fishing.

Fire Protection: Poor, limited access, pine type.

Additional Compartment Information: I would like to see this managed as a special value area. It should have limited mechanical operations. It is so unusually rough that it would be very hard to conduct operations.

- **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

DICKINSON COUNTY

COMPARTMENT: 70

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		78	14	81				37		22									232
Cedar										134									134
Lowlnd Brush									113										113
Mx Swmp Cnfr										176									176
Red Pine									261										261
Spruce Fir				8															8
Swamp Hrdwds								57											57
Upland Hdwds				33					12									57	102
White Pine			5							527									532
Total		78	19	122				94	386	859								57	1615

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **70**

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	232																										232
C Cedar				134																							134
L Lowlnd Brush									113																		113
Q Mx Swmp Cnfr												176															176
R Red Pine																261											261
F Spruce Fir																			8								8
E Swamp Hrdwds																				57							57
M Upland Hdwds																								102			102
W White Pine																										532	532
Total	232			134					113			176				261			8	57				102		532	1615

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **70**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6679 Cds	Hardwood	393 Cds
Hardwood	226 Mbf	Hardwood	14 Mbf
Softwood	11340 Cds	Sum CutVol	421 Cds
Softwood	4772 Mbf		
Sum TotVol	28015 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1615		17	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 70

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
40	A6	7	64	72	aspen (upland)	mature	final harvest	1		
comnts Fmd : This stand is on a hill on the North side of a creek. It is almost all Bigtooth Aspen. It has White Pine regen moving into the stand. Retain some large aspen and all of the White Pine.										
74	M6	10		60	northern hardwood	unevenaged	selection	1		
comnts Fmd : Retain pines , cedar, oak and good den trees, if present.										
Total Acres.....		17								

**Proposed Treatments
With Limiting Factors**

Compartment: 70

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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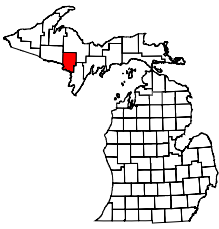
TREATMENT LIMITING FACTORS:

Total Acres..... 0



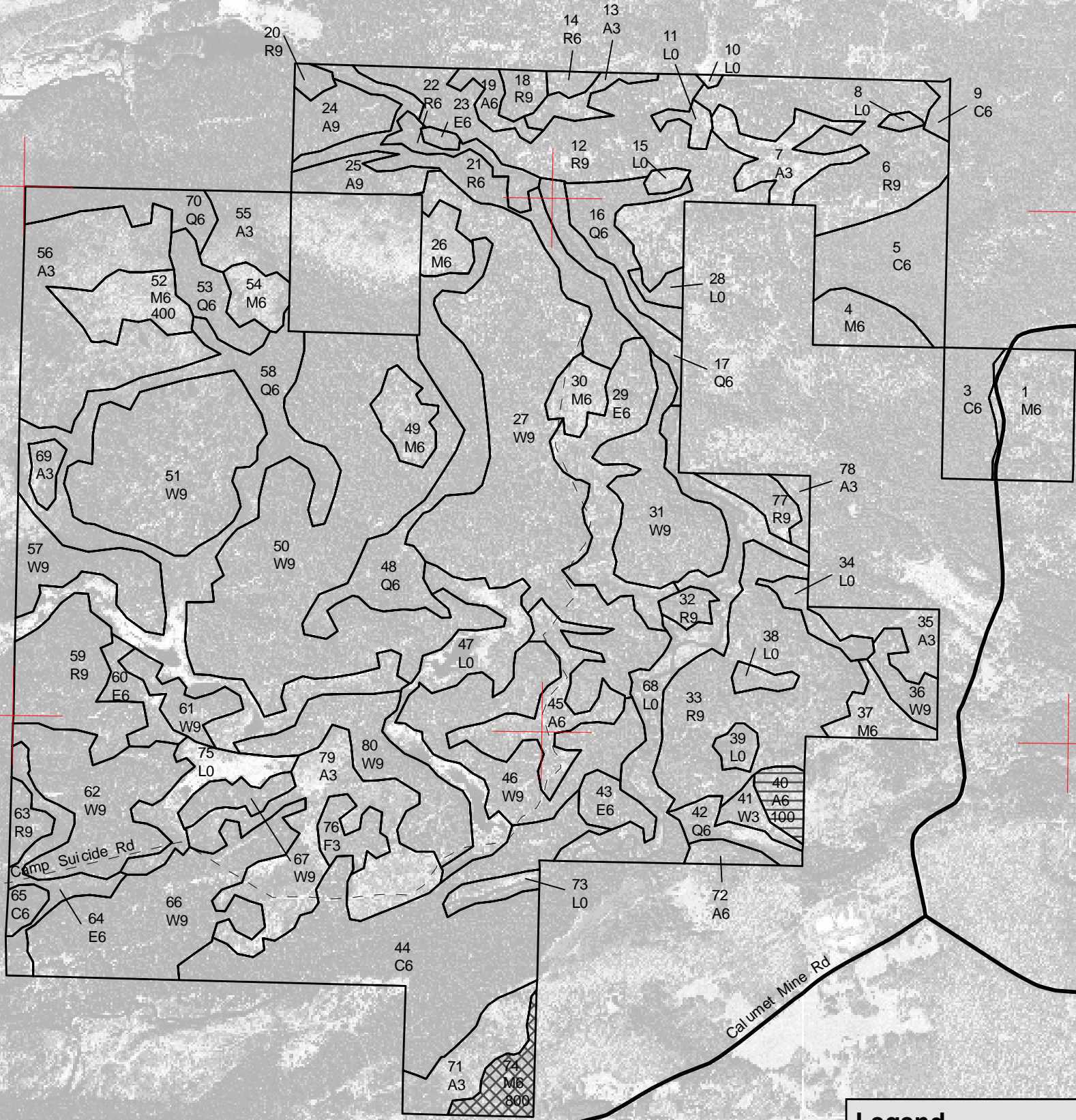
Field Map

Compartment 70
 T41N, R28W, Sec. 5-8
 T42N, R28W, Sec. 31, 32
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2009
 Acres: 1,615 GIS Calculated
 Stand Examiner: Otto Jacob
 Map Revised: 7/31/2007
 Map Phase: Pre-Review

31	32
06	05
07	08



N

Legend

- Miris Corners
- Highways
- Paved Roads
- - -** Gravel Roads
- - -** Poor Dirt Roads
- State Highway
- Stand Boundary
- ▬▬▬** 100 - Final Harvest
- ▩▩▩** 800 - Selection