



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

**COMPARTMENT # 25 ENTRY YEAR 2008
Compartment Acreage: 2008 County: Dickinson**

Revision Date: 9-15-2006

Stand Examiner: Debbie Goupell

Legal Description: RMU (if applicable): T44N R27W Sec 24, 25, 35, 36

Management Goals: This compartment is a very swampy one. Maintain diversity in hardwood stands being thinned; hardwood stands being clearcut are poorer quality and will be re-established with a stronger mesic conifer component. Promote growth on the best trees in all stands being thinned. Maintain lowland swamp conifer and the species diversity within that timber type. Protect all bodies of water, especially the West Branch of the Escanaba River and the tributary from the Lake 36 Flooding.

Soil and Topography: Soils are predominantly muck with some loamy fine sands in the upland stands. Topography is mostly level and poorly drained to rolling with well drained soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State-owned land and private ownership, used by loggers, hunters, fisherpeople, campers, general recreationists. State land surrounds most of the compartment boundary.

Unique, Natural Features (include only non-site specific and non-sensitive information): West Branch Escanaba River, Lake 36 Flooding.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: West Branch Escanaba River, tributary to W. Br. Escanaba from Lake 36 Flooding.

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Surface sediments consist primarily of peat and muck and minor medium-textured till. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau and Munising Formations subcrop below the glacial drift. The Trempealeau could be used for stone. Abandoned iron mines are located approximately ten miles to the northeast. A gravel pit is located just to the east and there should be potential

on the drumlins. Most of the Compartment was previously leased for metallic exploration and potential may still exist. There is no economic oil and gas production in the UP.

Vehicle Access: County Road 581 along north, some two-track unimproved gravel roads and some trails.

Survey Needs: Section 36 will need a couple corners for prescribed birch stand against private ownership to the south.

Recreational Facilities and Opportunities: Hunting, camping, fishing, trapping, hiking.

Fire Protection: Felch protection area. Access to most upland stands is fair, access to swamp types would be very difficult.

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

DICKINSON COUNTY

COMPARTMENT: 25

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		61	45	217															323
Black Spruce				20		104		128	118	5									375
Cedar										25	43								68
Grass	4																		4
Hemlock											38								38
Jack Pine					74														74
LowInd Brush	364																		364
Mx Swmp Cnfr										317									317
Paper Birch									14										14
Red Pine										35								30	65
Tamarack						32	72		48										152
Upland Hdwds				5							86							99	190
Water	24																		24
Total	392	61	45	242	74	136	72	128	180	382	167							129	2008

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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: 25

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	323																										323
S Black Spruce		375																									375
C Cedar				68																							68
G Grass					4																						4
H Hemlock						38																					38
J Jack Pine							74																				74
L Lowlnd Brush									364																		364
Q Mx Swmp Cnfr												317															317
B Paper Birch	14																										14
R Red Pine																65											65
T Tamarack																						152					152
M Upland Hdwds																								190			190
Z Water																									24		24
Total	337	375		68	4	38	74		364			317			65						152			190	24		2008

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **25**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7216 Cds	Hardwood	3032 Cds
Hardwood	223 Mbf	Hardwood	99 Mbf
Softwood	18605 Cds	Softwood	805 Cds
Softwood	768 Mbf	Softwood	7 Mbf
Sum TotVol	27803 Cds	Sum CutVol	4049 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
2008		235	

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 25

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	R9	30		60	red pine	mature	thinning	2		prescribed for fdf treatment
16	M6	54		55	northern hardwood	unevenaged	thinning	2		prescribed for fdf treatment
20	M6	9	89	55	northern hardwood	mature	final harvest	2		
comnts Fmd : Recommend managing as even aged as hardwood quality is lacking; a lot of the BF is down; fir/spruce/pine/aspen mix regen would be acceptable; would remove all but pines, cedar and hemlock; expect & promote a gradual shift to spruce/fir over the long term; stand pre-review 9/20/06: will be winter cut; leave 2 stick and less BF/WS/BS 6" diameter at stump										
21	M6	77	89	55	northern hardwood	mature	final harvest	2		
comnts Fmd : Recommend managing as even aged as hardwood quality is lacking; a lot of the BF is down; fir/spruce/pine/aspen mix regen would be acceptable; would remove all but pines, cedar and hemlock; expect & promote gradual shift to spruce/fir over the long term; pre-review 9/20/06: leave 2 stick and less BF/WS/BS w/6" diameter at stump										
23	R9	6	83	60	red pine	immature	thinning	2		prescribed for fdf treatment
comnts Fmd : This stand will be lightly thinned since the adjacent stand will be cut.										
28	B6	14	75	55	aspen (upland)	mature	final harvest	2		
comnts Fmd : Mancelona loamy sand; birch is old & falling apart, hardwood is poor quality, will expect hardwood regen as well; manage as even-aged; will leave all hemlock & cedar; hardwood regen would be acceptable if aspen does not dominate										
40	M6	45		60	northern hardwood	unevenaged	thinning	2		prescribed for fdf treatment

Total Acres..... 235

**Proposed Treatments
With Limiting Factors**

Compartment: 25

Entry Year: 2008

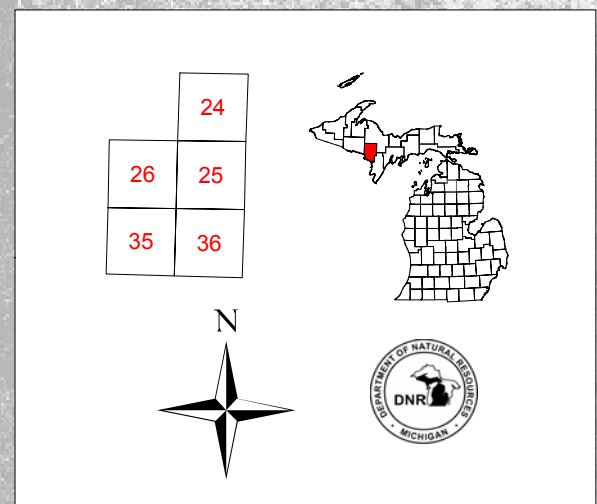
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 25
 T44N, R27W, Sec. 24-26, 35, 36
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2008
 Acres: 2,008 GIS Calculated
 Stand Examiner: Deborah Goupell
 Map Revised: 10/6/2006
 Map Phase: Pre-review



Legend

- RLS Corners
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Water Features
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning

