



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

**COMPARTMENT # 75 ENTRY YEAR 2009
Compartment Acreage: 836 County: Dickinson**

Revision Date: June 20, 2007

Stand Examiner: Cynthia Cooper

Legal Description: T41N, R30W, Sections 16,17,20,21

Management Goals: Improve Northern Hardwoods and Aspen, maintain lowland types.

Soil and Topography: Moderately well drained soils on rolling hills to poorly drained soils in lowlands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State lands surrounded by private ownerships, residences.

Unique, Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Compartment 75: Sections 16, 17, 20 and 21, T41N-R30W, Dickinson Co.

Surface sediments consist of thin to discontinuous end moraine of coarse-textured till over bedrock. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Archean Granite/Gneiss and Chocoday Group outcrops beneath the glacial drift. There is not a current economic use for these rocks, but the granite/gneiss has building/dimension stone potential. A crushed marble quarry is located three miles to the northeast. The Groveland iron mine is located approximately four miles to the northeast. This compartment was previously leased for metallic exploration and there may still potential. A gravel pit is located one mile to the east and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: Good through State and private.

Survey Needs: Much survey work will be needed for timber sales.

Recreational Facilities and Opportunities: Hunting.

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

DICKINSON COUNTY

COMPARTMENT: 75

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				204	44			73		14									335
Bog or Marsh	1																		1
Grass	6																		6
Lowlnd Brush	9																		9
Mx Swmp Cnfr								8		132									140
Non Stocked	3																		3
Spruce Fir			4																4
Swamp Hrdwds										36									36
Upland Hdwds									11									291	302
Total	19		4	204	44			81	11	182								291	836

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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: 75

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	335																										335
V Bog or Marsh			1																								1
G Grass					6																						6
L Lowlnd Brush									9																		9
Q Mx Swmp Cnfr												140															140
X Non Stocked													3														3
F Spruce Fir																			4								4
E Swamp Hrdwds																				36							36
M Upland Hdwds																								302			302
Total	335		1		6				9			140	3						4	36				302			836

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **75**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	12032 Cds	Hardwood	3363 Cds
Hardwood	1618 Mbf	Hardwood	604 Mbf
Softwood	2130 Cds	Sum CutVol	4571 Cds
Softwood	89 Mbf		
Sum TotVol	17576 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	254
836			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 75

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
4	M6	44		65	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment
comnts Fmd : MUCH A3 ON WEST SIDE. SOME OAK. GOOD MAPLE REPRODUCTION.(1997) Highly varied stand. Hilly. Small E inclusions. Some F type in understory. Unmarked hardwood will meet retention goals.Follow up with regeneration check. (2007)										
5	M6	67		70	northern hardwood	unevenaged	selection	1		prescribed for fdf treatment
comnts Fmd : Unmarked hardwood will meet retention goals. Follow up with regeneration check.(2007)										
6	M6	104		65	northern hardwood	unevenaged	selection	1		prescribed for fdf treatment
comnts Fmd : MUCH DOWNED WOOD. ASPEN IN SCATTERED PATCHES. NICE BASSWOOD.(1997) Highly varied stand (terrain, poles v logs, species mixture). Unmarked hardwood will meet retention goals. Follow up with regeneration check.(2007)										
11	A9	14	82	72	aspen (upland)	mature	final harvest	2	natural regeneration	
comnts Fmd : REMOVE ASPEN AND BIRCH. FDF(1997) Clear cut north portion of stand. Remove aspen in south portion and retain hardwoods.(2007)										
29	A6	11	67	60	aspen (upland)	mature	final harvest	2		
comnts Fmd : WAS PART OF STAND 10. HOLD FOR AGE CLASS DISTRIBUTION.(1997) Clear cut with oak reserved (2007).										
32	M6	14		70	northern hardwood	unevenaged	selection	2		prescribed for fdf treatment
comnts Fmd : OAK IN STAND.(1997) Hilly. Borders Q to the north, private to the south. Unmarked hardwood will meet retention goals. Follow up with regeneration check.(2007)										
Total Acres.....		254								

**Proposed Treatments
With Limiting Factors**

Compartment: 75

Entry Year: 2009

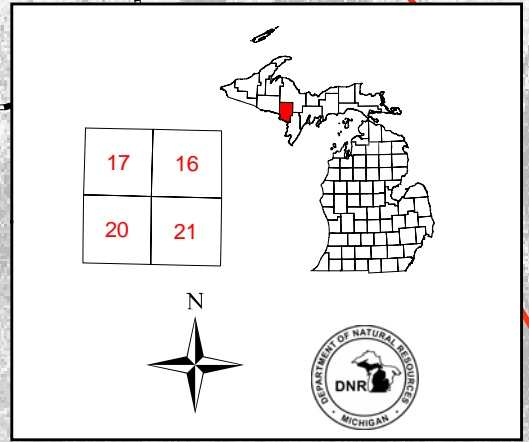
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 75
 T41N, R30W, Sec. 16-17, 20-21
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2009
 Acres: 836 GIS Calculated
 Stand Examiner: Cythnia Cooper
 Map Revised: 7/10/2007
 Map Phase: Pre-Review

Field Map



Legend

- Miris Corners
- County Paved Roads
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Water Features
- Stand Boundary
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 800 - Selection

