



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

**COMPARTMENT #49 ENTRY YEAR 2007
Compartment Acreage: 1813 County: Dickinson**

Revision Date: 8/25/2005

Stand Examiner: Debbie Goupell

Legal Description: RMU (if applicable): T42N R29W Sections 5,6
T43N R29W Sections 31-33
T43N R30 Section 36

Management Goals: Maintain diversity in hardwood types. Develop age class distribution in aspen type. Protect stream quality and snowmobile trail throughout the compartment.

Soil and Topography: This compartment has level to slightly rolling terrain. Soil types range from very poorly drained mucks to loamy fine sand and fine sandy loam.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State-owned land and private ownership, used by loggers, hunters, fishermen, snowmobilers, campers, general recreationists. There is a snowmobile trail on the east side of the compartment that follows the power line running north/south.

Unique, Natural Features (include only non-site specific and non-sensitive information): Sturgeon River

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

Special Management Designations or Considerations: Snowmobile Trail must be protected.

Watershed and Fisheries Considerations: Sturgeon River is a Type 1 trout fishery.

Wildlife Habitat Considerations: This compartment is dominated by upland aspen and maple stands that are interspersed with smaller spruce/fir, swamp conifer and lowland hardwood types. Pipelines and powerlines provide some opening component that benefit turkeys, bear, deer and raptors(i.e. broadwing, coopers and red-tailed hawks.),

MINERAL, OIL AND GAS CONSIDERATIONS:

Surface sediments consist of medium-textured glacial till (drumlins). The glacial drift thickness varies between 50 and 100 feet. The Cambrian Munising Formation and Precambrian Michigamme subcrop below the glacial drift. There is not a current economic use for these rocks. The Groveland iron mine is located

approximately seven miles to the south. A gravel pit is located two miles to the north and there appears to be potential on the uplands. This Compartment was not previously leased for metallic exploration, but Section 4 to the south is leased. There is no economic oil and gas production in the UP.

Vehicle Access: Leeman Road/County Road 422

Survey Needs: None needed for this entry period.

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

Fire Protection: Felch protection area.

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: 49

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																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		All Aged
Aspen		52	64	470	173		121	14	104										998
Cedar										20									20
Grass	39																		39
Lowlnd Brush	117																		117
Mx Swmp Cnfr									35	30	5	33							103
Spruce Fir		18			20														38
Swamp Hrdwds								4	114										118
Tamarack							16	3											19
Upland Hdwds																		346	346
Water	15																		15
Total	171	70	64	470	193		137	21	253	50	5	33						346	1813

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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: 49

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	998																										998
C Cedar				20																							20
G Grass					39																						39
L Lowlnd Brush								117																			117
Q Mx Swmp Cnfr											103																103
F Spruce Fir																			38								38
E Swamp Hrdwds																				118							118
T Tamarack																						19					19
M Upland Hdwds																								346			346
Z Water																									15		15
Total	998			20	39			117				103							38	118	19			346	15	1813	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **49**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	15586 Cds	Hardwood	6280 Cds
Hardwood	496 Mbf	Hardwood	38 Mbf
Softwood	5820 Cds	Softwood	1647 Cds
Sum TotVol	22398 Cds	Sum CutVol	8003 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	279
1813			

CRYSTAL FALLS FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 49

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
8	A6	7	55	60	aspen (upland)	mature	final harvest	1			
22	A6	109	57	60	aspen (upland)	mature	final harvest	1			
comnts Fmd : pre-review 8-15-05: from WLD, short steep bank on east side north of st. 404 beside river - stop at top of bank; also check out north of st 18 and avoid drainage areas											
27	A6	3	74	60	aspen (upland)	mature	final harvest	2			
comnts Fmd : pre-review 8-15-05: hold black ash & cedar (basically avoid wet areas)											
36	A6	5	57	55	aspen (upland)	mature	final harvest	1			
37	M6	22		60	northern hardwood	unevenaged	selection	1			
comnts Fmd : pre-review 8-15-05: leave conifer component											
45	A6	33	72	57	aspen (upland)	mature	final harvest	1			
comnts Fmd : pre-review 8-15-05: hold WP, cedar, hemlock											
47	M6	13		55	northern hardwood	unevenaged	selection	1		prescribed for fdf treatment	
comnts Fmd : may need to access through stand 48 around ponds; pre-review 8-15-05: leave conifer component											
51	A6	68	71	59	aspen (upland)	mature	final harvest	1			
62	M6	19		50	northern hardwood	unevenaged	final harvest	1		stand with fdf potential	
comnts Fmd : hodge podge stand; hardwood is poor quality, BF/bi/asp doing somewhat better; pre-review 8-15-05: this stand may be cut for final harvest, waiting for WLD input											
Total Acres.....		279									

**Proposed Treatments
With Limiting Factors**

Compartment: 49

Entry Year: 2007

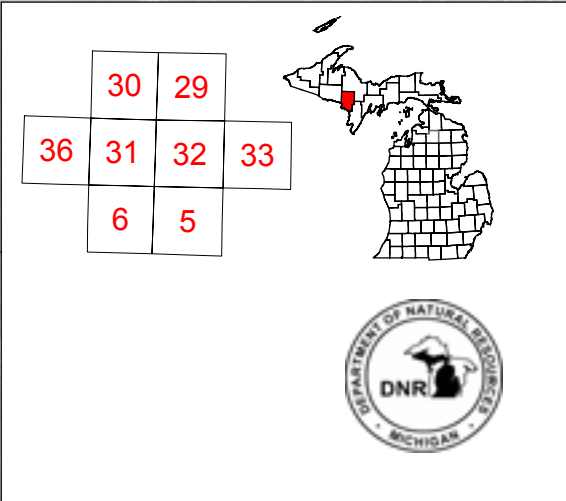
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 49
 T42N, R29W, Sec. 5, 6
 T43N, R29W, Sec. 31-33
 T43N, R30W, Sec. 36
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2007
 Acres: 1,813 GIS Calculated
 Stand Examiner: Debbie Goupell
 Map Revised: 9/07/2005
 Map Phase: Pre-review



Legend

- ! rls corners
- Miris Corners
- County Gravel Roads
- - Poor Dirt Roads
- Trails
- Powerlines
- Pipelines
- Water Features
- × Berms
- ☐ Snowmobile Trails
- ☐ Stand Boundary
- ▨ 100 - Final Harvest
- ▩ 800 - Selection

Name County Gravel Roads
Name Gravel Roads
Name Water Features

