



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

**COMPARTMENT #54    ENTRY YEAR: 2008**

**Compartment Acreage: 2686      County: Dickinson**

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**Revision Date: 09/18/06**

**Stand Examiner: Otto Jacob**

**Legal Description: T42n, R29w, sections 8-11, 14-17 & 22**

**Management Goals:** To use the harvest of timber to enhance the recreation opportunities by breaking up age groups in even aged stands and to increase diversity within the hardwoods.

**Soil and Topography:** Compartment 54: Sections 8 – 11, 14 – 17 & 22, T42N-R29W, Dickinson Co. Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Cambrian Munising Group and Archean Volcanic and Sedimentary and Archean granite/gneiss subcrop below the glacial drift

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This is an area primarily used for extensive forest uses and is owned by private individuals in small acreage parcels.

**Unique, Natural Features:** This compartment is included in the south facing slope of the first East and Westerly oriented hill range found to the North of the South Dickinson rocky ridges. It has very good soils that produce aspen and hardwoods of highest quality. There are small plateaus that trap water and form wet areas that are oriented parallel to the slopes. Small creeks and drainages cut south to the lakes and connecting creeks found at the valley bottom. The view to the south is stunning.

**Archeological, Historical, and Cultural Features:** I know of no specific features. The area is just north of a large iron mine and was primarily settled by miners and loggers.

**Special Management Designations or Considerations:** Loons found on Six Mile Lake. This compartment has potential habitat for moose, wolf, wood turtles, goshawk .

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:** The Granite/Gneiss could be used for decorative or building/dimension stone. The Groveland Iron mine is located approximately three miles to the south. Part of this compartment was previously leased and potential may still exist. Gravel pits are located in the area and there is potential. There is no economic oil and gas production in the UP.

**Vehicle Access:** Primary access is by the use of an old railroad grade. The roads need to be maintained in the remote areas to control erosion.

**Survey Needs:**

**Recreational Facilities and Opportunities:** Part of the Wells grade is used as a designated snowmobile trail. The whole area is good for general woods recreation.

**Fire Protection:** This is not a real flammable site, but should it have fires, access is quite good.

**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: 54

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			221	443	205	59				11									939
Black Spruce										6									6
Cedar										140									140
Grass	38																		38
Hemlock										16									16
LowInd Brush	93																		93
LowInd Poplr			52																52
Mx Swmp Cnfr										294									294
Spruce Fir					6				4	8									18
Swamp Hrdwds										30									30
Upland Hdwds																		1048	1048
Water	12																		12
<b>Total</b>	<b>143</b>		<b>273</b>	<b>443</b>	<b>211</b>	<b>59</b>			<b>4</b>	<b>505</b>								<b>1048</b>	<b>2686</b>

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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: 54

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	939																										939
S Black Spruce		6																									6
C Cedar				140																							140
G Grass					38																						38
H Hemlock						16																					16
L LowInd Brush									93																		93
P LowInd Poplr										52																	52
Q Mx Swmp Cnfr												294															294
F Spruce Fir															6				12								18
E Swamp Hrdwds																				30							30
M Upland Hdwds																								1048		1048	
Z Water																									12	12	
<b>Total</b>	<b>939</b>	<b>6</b>		<b>140</b>	<b>38</b>	<b>16</b>			<b>93</b>	<b>52</b>		<b>294</b>			<b>6</b>			<b>12</b>	<b>30</b>					<b>1048</b>	<b>12</b>	<b>2686</b>	

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: **54**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	38914 Cds	Hardwood	10641 Cds
Hardwood	1941 Mbf	Hardwood	603 Mbf
Softwood	5525 Cds	Softwood	197 Cds
Softwood	1348 Mbf	Sum CutVol	12044 Cds
Sum TotVol	51017 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	843
2686			

**CRYSTAL FALLS FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 54**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	M6	62		60	northern hardwood	unevenaged	thinning	1		
2	M6	45		60	northern hardwood	unevenaged	thinning	1		
3	M6	4		60	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Scattered aspen and balm. Fast growing will make nice std.										
6	M6	7		60	northern hardwood	unevenaged	thinning	1		stand with fdf potential
8	M6	90		60	northern hardwood	unevenaged	thinning	1		
14	M6	5		60	northern hardwood	unevenaged	thinning	1		
16	M6	69		60	northern hardwood	unevenaged	thinning	1		
35	A6	115	30	70	aspen (upland)	immature	improvement	1		
comnts Fmd : Row thin, cutting 20 foot wide strips, oriented East and West, and leaving 20 foot strips. The goal is to salvage the self thinning of the aspen, encourage midtolerant species seeding in the cut strips. The desired result would be to grow a more diverse and more productive aspen stand.										
36	M6	33		60	northern hardwood	unevenaged	thinning	1		
38	M6	12		60	northern hardwood	unevenaged	thinning	1		
44	M6	12		60	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Highly variable stand with small patches of A3.										
47	F4	6	29	65	red pine	immature		0	planting	
comnts Fmd : This stand had a regen. Failure. I have seen pine stumps throughout this area it appears to be a natural pine habitat type.										
51	A9	11	79	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : This appears to be some of the oldest aspen I have seen. Reports show that it has been cut and I have seen scattered regen. The aspen is so old that it may not regenerate. If it does not , red or jack pine should be planted. This may be sawtimber size, but defect will likely be very high. There is a drainage from the north that runs through the middle of the stand.										
53	M6	9		60	northern hardwood	unevenaged	thinning	1		
55	M6	18		60	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Highly variable stand with north and east part is poorer and wet, yet the stand maybe should be managed as one . To be decided on closer exam and harvest prep.										
56	M6	3		60	northern hardwood	unevenaged	thinning	1		
57	M6	67		60	northern hardwood	unevenaged	thinning	1		

**CRYSTAL FALLS FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 54**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>60</b>	<b>M6</b>	260		60	northern hardwood	unevenaged	thinning	1		
comnts Fmd : Nice den trees found in a fabulous stand of hardwood growing on a rich and fertile site. Patches of porcupine damage.										
<b>69</b>	<b>M6</b>	8		60	northern hardwood	unevenaged	thinning	1		
<b>73</b>	<b>F6</b>	8	82	60	spruce-fir (uplands- including upland black spruce)	mature	final harvest	1		
<b>81</b>	<b>M6</b>	5		60	northern hardwood	unevenaged	thinning	1		

**Total Acres..... 849**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 54**

**Entry Year: 2008**

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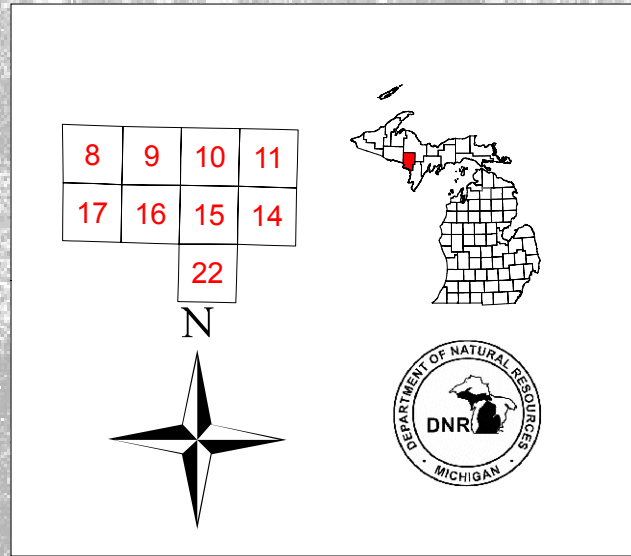
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 54  
 T42N, R29W, Sec. 8-11, 14-17, 22  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2008  
 Acres: 2,686 GIS Calculated  
 Stand Examiner: Otto Jacob  
 Map Revised: 10/6/2006  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Water Features
- State Highway
- Stand Boundary
- Biodiversity/Old Growth Area
- 011 - Planting/Hand Tools
- 100 - Final Harvest
- 400 - Thinning
- 900 - Improvement

