



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

**COMPARTMENT #30 ENTRY YEAR 2009
Compartment Acreage: 1727 County: Dickinson**

Revision Date: 5-15-07

Stand Examiner: Debbie Goupell

Legal Description: RMU (if applicable): T43N R27W Sec 17-20
T43N R28W Sec 23, 24

Management Goals: The compartment has a mix of aspen ages and a fair component of mixed swamp conifer, with some hardwood stands as well. We will want to maintain diversity in hardwood stands being thinned by promoting growth on the best trees in all stands being thinned while encouraging mesic conifer components. Maintain lowland swamp conifer and the species diversity within that timber type. Protect all bodies of water, particularly Hayes and Stafford Creeks.

Soil and Topography: Majority of this compartment is gently rolling upland with Emmet fine sandy loam. Other upland soil types include Escanaba loamy fine sand and Pemene fine sandy loam with some Waucedah-Cathro soils and Carbondale & Cathro mucks in the lowland types.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land is in solid blocks but private is interspersed within the boundary. State land is used by loggers, hunters, fisherpeople, trappers, campers, general recreationists.

Unique, Natural Features (include only non-site specific and non-sensitive information): Hayes Creek and Stafford Creek, both of which are tributaries to the Ford River.

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

Special Management Designations or Considerations: About half of this compartment is in the Ford River deer yard or winter deer range.

Watershed and Fisheries Considerations: Protect water quality for all bodies of water, particularly Hayes Creek and Stafford Creek. Promote long lived conifer species along these streams and use adequate buffer protection.

Wildlife Habitat Considerations:

MINERAL, OIL AND GAS CONSIDERATIONS:

Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Cambrian Munising Formation and the Precambrian Archean granite/gneiss subcrop below the

glacial drift. There is not a current economic use for these rocks, although they have building/dimension stone potential. Abandoned iron mines are located approximately nine miles to the south, near Felch. A gravel pit is located just to the southwest and there should be potential on the uplands. Part 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 426 is on the south; several poor dirt roads in and near the compartment.

Survey Needs: Corners needed for stands 3, 10, 45 & 46.

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

Fire Protection: Felch protection area. There is access to most upland stands, however access to many lowland areas would be difficult.

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- ◆ **Cover Type by Age Class**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Listing – Forested**
- ◆ **Stand Listing – Non Forested**
- ◆ **Special Conservation Area (SCA) Details**

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**
- ◆ **SCA – Special Conservation Areas**





Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 12030

Date: 8/6/2007

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	68.7	155.9	26.5	55	196.1	0	0	65.7	0	0	0	567.9
Emergent Wetland	10.3	0	0	0	0	0	0	0	0	0	0	0	10.3
Herbaceous Openland	23.3	0	0	0	0	0	0	0	0	0	0	0	23.3
Low-Density Trees	2.8	0	0	0	0	0	0	0	0	0	0	0	2.8
Lowland Coniferous Forest	0	0	0	0	0	20.6	0	11.1	126.1	63.1	533.8	0	754.7
Lowland Deciduous Forest	0	0	0	0	0	0	0	0	6.5	0	0	0	6.5
Lowland Shrub	47.6	0	0	0	0	0	0	0	0	0	0	0	47.6
Northern Hardwood	0	0	0	0	0	0	0	0	243.3	0	0	0	243.3
Other Upland Conifers	0	0	0	6.5	0	0	46.8	0	0	0	0	0	53.3
Road/Parking Lot	2.8	0	0	0	0	0	0	0	0	0	0	0	2.8
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	0	11
Water	3.5	0	0	0	0	0	0	0	0	0	0	0	3.5
Grand Total	90.3	68.7	155.9	33	55	216.7	57.8	11.1	441.6	63.1	533.8	0	1727

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
3 12030003-Cut	65.7	4134 - Aspen, Spruce/Fir	9	70	0	Clearcut with Reserves	Regeneration	Aspen, Spruce/Fir	
<u>Rev</u> clear cut with reserves									
<u>Cmnt:</u>									
<u>Rev</u> retain smaller spruce fir and pine									
<u>Spec:</u>									
<u>Next</u> regeneration survey									
<u>Steps:</u>									
10 12030010-Cut	46.8	42340 - Upland Spruce/Fir	9	55	53	Clearcut with Reserves	Regeneration	Upland Spruce/Fir	
<u>Rev</u> manage for mesic conifers									
<u>Cmnt:</u>									
<u>Rev</u> clear cut reserving unmerchantable spruce/fir and all pine.									
<u>Spec:</u>									
<u>Next</u> Regeneration survey. Aspen/ spruce fir is alternative management objective.									
<u>Steps:</u>									
13 12030013-Cut	72.3	4119 - Mixed Northern Hardwoods	6	78	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	
<u>Rev</u> Thin.									
<u>Cmnt:</u>									
<u>Rev</u> Thindown to 80-90 residual BA retaining conifers.									
<u>Spec:</u>									
<u>Next</u> none									
<u>Steps:</u>									
33 12030033-Cut	9.8	4110 - Sugar Maple Association	6	72	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	
<u>Rev</u> Thin.									
<u>Cmnt:</u>									
<u>Rev</u> Thinto residual BA 80-90 retaining conifers.									
<u>Spec:</u>									
<u>Next</u> none									
<u>Steps:</u>									
45 12030045-Cut	39.0	4110 - Sugar Maple Association	6	75	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	
<u>Rev</u> Thin.									
<u>Cmnt:</u>									
<u>Rev</u> Thin to a residual BA of 80-90 retaining conifers.									
<u>Spec:</u>									
<u>Next</u> none									
<u>Steps:</u>									
46 12030046-Cut	53.8	4110 - Sugar Maple Association	6	74	0	Single Tree Selection	Intermediate Cut	Sugar Maple Association	
<u>Rev</u> thin									
<u>Cmnt:</u>									
<u>Rev</u> Thin to a residual BA of 80-90 retaining conifers.									
<u>Spec:</u>									
<u>Next</u> none									
<u>Steps:</u>									

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
48 12030048-Cut	6.5	6117 - Lowland Deciduous, Mixed Coniferous	9	70	0	Clearcut with Reserves	Regeneration	Aspen, Spruce/Fir	

RevCmnt: clear cut with reservesRev

retain small spruce fir

Spec:Next

regeneration survey

Steps:

**Total Treatment
Acreage Proposed: 293.9**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

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Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

Next
Steps:

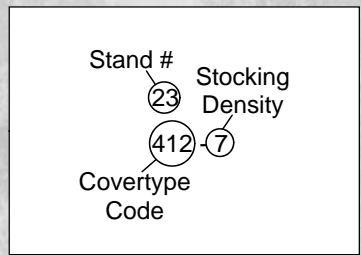
Total Treatment
Acreage Proposed: 0

Field Map

Compartment 30
 T43N, R27W, Sec. 17-20
 T43N, R28W, Sec. 23, 24
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2009
 Acres: 1,727 GIS Calculated
 Stand Examiner: Deborah Goupell
 Map Revised: 7/23/2007
 Map Phase: Review

1817
23241920

Stocking Density	Definition
1	Sapling Low
2	Sapling Medium
3	Sapling Well
4	Pole timber Low
5	Pole timber Medium
6	Pole timber Well
7	Sawtimber Low
8	Sawtimber Medium
9	Sawtimber Well



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Forest Stands
- Clearcut with Reserves
- Single Tree Selection

Forest Stands

- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

