



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

**COMPARTMENT #166      ENTRY YEAR: 2009**

**Compartment Acreage: 649      County: IRON**

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**Revision Date:** 07/12/07

**Stand Examiner:** SCOTT SEBERO

**Legal Description:** T42N-R31W SECTIONS 4, 8, 9, 16 & 17.

**Management Goals:** Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain health of conifer types and increase acreage where possible. Develop buffers on lakes and streams. Maintain and improve road system.

**Soil and Topography:** Karlin sands on flat to rolling hills to lowland swamps and drainages.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State lands mixed with company lands and private parcels. Lands used mainly for hunting and fishing.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** Davison Creek and Larson Creek.

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

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:**

**Compartment 166: Sections 4, 8, 9, 15, 16 & 21, T42N-R31W, Iron County**

Surface sediments consist of an end moraine of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Michigamme and Hemlock Formations and Intrusive Rock subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines at Crystal Falls are located five miles to the northwest. Part of this Compartment is currently leased for metallic exploration. A gravel pit is located three miles to the northeast and there should be potential. There is no economic oil and gas production in the UP.

**Vehicle Access:** Lake Mary Road and woods roads.

**Survey Needs:** One corner needed for boundaries on proposed timber sale.

**Recreational Facilities and Opportunities:**

**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

IRON COUNTY

COMPARTMENT: 166

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        |           | 33  | 166   | 147   |       | 15    |       | 17    |       |       |       |         |         |         |         |         |         |          | 378   |
| Grass        | 2         |     |       |       |       |       |       |       |       |       |       |         |         |         |         |         |         |          | 2     |
| LowInd Brush | 63        |     |       |       |       |       |       |       |       |       |       |         |         |         |         |         |         |          | 63    |
| LowInd Poplr |           |     | 5     |       |       |       |       |       |       |       |       |         |         |         |         |         |         |          | 5     |
| Mx Swmp Cnfr |           |     |       |       |       |       |       |       |       | 76    |       |         |         |         |         |         |         |          | 76    |
| Swamp Hrdwds |           |     |       |       |       |       |       |       |       | 9     |       | 54      |         |         |         |         |         |          | 63    |
| Water        | 5         |     |       |       |       |       |       |       |       |       |       |         |         |         |         |         |         |          | 5     |
| White Pine   |           |     |       |       |       |       |       |       |       |       |       |         |         |         | 57      |         |         |          | 57    |
| Total        | 70        | 33  | 171   | 147   |       | 15    |       | 17    |       | 85    |       | 54      |         |         | 57      |         |         |          | 649   |

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: 166

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        | 328 |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   | 50 |    |   |   |   |   |   |    | 378   |
| G Grass        |     |   |   |   | 2 |   |   |   |    |   |   |    |   |   |   |   |   |   |    |    |   |   |   |   |   |    | 2     |
| L Lowlnd Brush |     |   |   |   |   |   |   |   | 63 |   |   |    |   |   |   |   |   |   |    |    |   |   |   |   |   |    | 63    |
| P Lowlnd Poplr |     |   |   |   |   |   |   |   |    | 5 |   |    |   |   |   |   |   |   |    |    |   |   |   |   |   |    | 5     |
| Q Mx Swmp Cnfr |     |   |   |   |   |   |   |   |    |   |   | 76 |   |   |   |   |   |   |    |    |   |   |   |   |   |    | 76    |
| E Swamp Hrdwds |     |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   | 63 |    |   |   |   |   |   |    | 63    |
| Z Water        |     |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |    |    |   |   |   |   | 5 |    | 5     |
| W White Pine   |     |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |    |    |   |   |   |   |   | 57 | 57    |
| Total          | 328 |   |   |   | 2 |   |   |   | 63 | 5 |   | 76 |   |   |   |   |   |   | 50 | 63 |   |   |   |   | 5 | 57 | 649   |

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

IRON COUNTY

COMPARTMENT: **166**

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

| COMPARTMENT SUMMARY      |          |                             |         |
|--------------------------|----------|-----------------------------|---------|
| TOTAL VOLUME             |          | CUT VOLUME                  |         |
| Hardwood                 | 2852 Cds | Hardwood                    | 503 Cds |
| Softwood                 | 1654 Cds | Sum CutVol                  | 503 Cds |
| Softwood                 | 750 Mbf  |                             |         |
| Sum TotVol               | 6006 Cds |                             |         |
| <b>Total Cmpnt Acres</b> |          | Acres Proposed For Cut..... | 17      |
|                          | 649      |                             |         |

**CRYSTAL FALLS FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 166    Entry Year: 2009**

| <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>FDF Status</b> |
|--------------|-------------------|--------------|------------|-------------------|----------------|------------------|-------------------|-------------------------|----------------------|-------------------|
| 18           | A6                | 17           | 59         | 60                | aspen (upland) | mature           | final harvest     | 1                       |                      |                   |

comnts Fmd : Steep rock hill in northern part of stand. This portion of stand may be inoperable. About 3 acres. Leave steep hillside for retention. Buffer stand 24.

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**Total Acres.....    17**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 166**

**Entry Year: 2009**

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| <b>Stand</b> | <b>Cover<br/>Type</b> | <b>Acres</b> | <b>Age</b> | <b>Site<br/>Index</b> | <b>Mgt<br/>Obj</b> | <b>Condition</b> | <b>Method<br/>Cut</b> | <b>Harvest<br/>Priority</b> | <b>Cultural<br/>Need</b> | <b>FD<br/>Status</b> |
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|----------------------|
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|----------------------|

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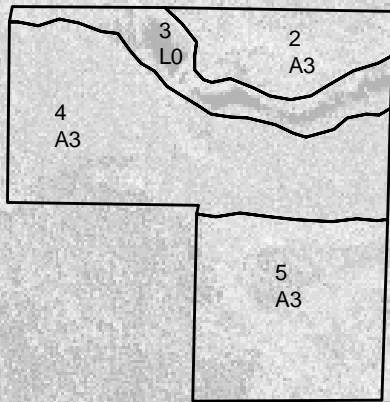
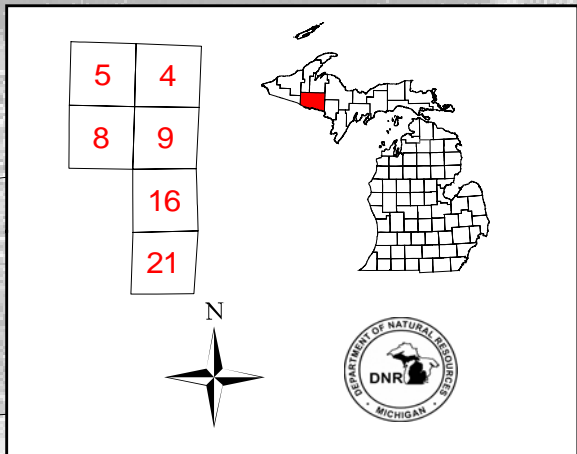
TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

# Field Map

Compartment 166  
 T42N, R31W, Sec. 4, 5, 8, 9, 16, 21  
 County: Iron  
 Unit: Crystal Falls  
 YOE: 2009  
 Acres: 649 GIS Calculated  
 Stand Examiner: Scott Sebero  
 Map Revised: 8/7/2007  
 Map Phase: Pre-Review



- Legend**
- ◆ RLS Corners
  - Miris Corners
  - Paved Roads
  - Gravel Roads
  - - - Poor Dirt Roads
  - ⋯ Trails
  - Stand Boundary
  - ▨ 100 - Final Harvest

