



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

**COMPARTMENT # 19    ENTRY YEAR 2007  
Compartment Acreage:2502    County : Dickinson**

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**Revision Date:08/23/2005**

**Stand Examiner: Terry Cryderman**

**Legal Description: T44N R28W Sections 01,02,03,11&12.**

**Management Goals: Develop age class distribution in aspen type. Maintain diversity in hardwood types. Increase conifers where possible.**

**Soil and Topography: Rolling hills to swamps.**

**Ownership Patterns, Development, and Land Use in and Around the Compartment: State owned land and private ownership used by loggers,hunters and fishermen.**

**Unique, Natural Features (include only non-site specific and non-sensitive information): Wild West Creek and Flat Rock 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:** Located on the north edge of Dickinson County, west of the Tower Road. The mixture of aspen age classes, interspersed with hardwood stands consisting of maple, basswood, oad and lowland conifer stands, benefit grouse, woodcock, upland raptors and a variety of songbirds. Road systems used for haul and access roads were reworked and seeded to clovers and grasses, and are used extensively by deer, grouse, bear and small mammals. One of the lowland complexes was used as a rendezvous site for the north Dickinson County wolf pack.

**MINERAL, OIL AND GAS CONSIDERATIONS: Compartment 19: Sections 6 & 7, T44N-R27W & Sections 1 – 3, 11 & 12, T44N-R28W, Dickinson Co.**

Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. Archean granite/gneiss subcrops below the glacial drift. There is not a current economic use for these rocks, although they have building/dimension stone potential. Republic Iron mine is located approximately twelve miles to the northwest. A gravel pit is located two miles to the north, but there appears

to be gravel potential. This area was previously leased for metallic exploration and Sections 1 and 3 have been nominated recently. There is no economic oil and gas production in the UP.

**Vehicle Access: Tower Road.**

**Survey Needs: None.**

**Recreational Facilities and Opportunities: Hunting ,fishing and dispersed camping.**

**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: 19

Table 3

(acres shown in boxes)

STAND AGE CLASS

| COVER TYPE   | Not        | STAND AGE CLASS |            |          |            |            |       |           |            |       |       |  | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150-159     | All Aged    | Total |
|--------------|------------|-----------------|------------|----------|------------|------------|-------|-----------|------------|-------|-------|--|---------|---------|---------|---------|---------|-------------|-------------|-------|
|              | Coded      | 0-9             | 10-19      | 20-29    | 30-39      | 40-49      | 50-59 | 60-69     | 70-79      | 80-89 | 90-99 |  |         |         |         |         |         |             |             |       |
| Aspen        |            | 14              | 297        | 7        | 251        | 116        |       | 58        |            |       |       |  |         |         |         |         |         |             | 743         |       |
| Grass        | 100        |                 |            |          |            |            |       |           |            |       |       |  |         |         |         |         |         |             | 100         |       |
| Lowlnd Brush | 40         |                 |            |          |            |            |       |           |            |       |       |  |         |         |         |         |         |             | 40          |       |
| Lowlnd Poplr |            |                 |            |          |            |            |       | 4         |            |       |       |  |         |         |         |         |         |             | 4           |       |
| Mx Swmp Cnfr |            |                 |            |          |            |            |       |           | 88         |       |       |  |         |         |         |         |         |             | 88          |       |
| Oak          |            |                 |            |          |            |            |       |           |            |       |       |  |         |         |         |         |         | 97          | 97          |       |
| Red Pine     |            |                 |            |          |            |            |       |           |            |       |       |  |         |         |         |         |         | 3           | 3           |       |
| Swamp Hrdwds |            |                 |            |          |            |            |       |           | 11         |       |       |  |         |         |         |         |         |             | 11          |       |
| Tamarack     |            |                 |            |          |            |            |       |           | 16         |       |       |  |         |         |         |         |         |             | 16          |       |
| Upland Hdwds |            |                 |            |          |            |            |       |           |            |       |       |  |         |         |         |         |         | 1400        | 1400        |       |
| <b>Total</b> | <b>140</b> | <b>14</b>       | <b>297</b> | <b>7</b> | <b>251</b> | <b>116</b> |       | <b>62</b> | <b>115</b> |       |       |  |         |         |         |         |         | <b>1500</b> | <b>2502</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: 19

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        | 743        |   |   |   |            |   |   |   |           |          |   |           |   |           |   |          |   |   |   |           |           |    |   |             |   |             | 743   |
| G Grass        |            |   |   |   | 100        |   |   |   |           |          |   |           |   |           |   |          |   |   |   |           |           |    |   |             |   |             | 100   |
| L LowInd Brush |            |   |   |   |            |   |   |   | 40        |          |   |           |   |           |   |          |   |   |   |           |           |    |   |             |   |             | 40    |
| P LowInd Poplr |            |   |   |   |            |   |   |   |           | 4        |   |           |   |           |   |          |   |   |   |           |           |    |   |             |   |             | 4     |
| Q Mx Swmp Cnfr |            |   |   |   |            |   |   |   |           |          |   | 88        |   |           |   |          |   |   |   |           |           |    |   |             |   |             | 88    |
| O Oak          |            |   |   |   |            |   |   |   |           |          |   |           |   | 97        |   |          |   |   |   |           |           |    |   |             |   |             | 97    |
| R Red Pine     |            |   |   |   |            |   |   |   |           |          |   |           |   |           |   | 3        |   |   |   |           |           |    |   |             |   |             | 3     |
| E Swamp Hrdwds |            |   |   |   |            |   |   |   |           |          |   |           |   |           |   |          |   |   |   | 11        |           |    |   |             |   |             | 11    |
| T Tamarack     |            |   |   |   |            |   |   |   |           |          |   |           |   |           |   |          |   |   |   |           |           | 16 |   |             |   |             | 16    |
| M Upland Hdwds |            |   |   |   |            |   |   |   |           |          |   |           |   |           |   |          |   |   |   |           |           |    |   | 1400        |   |             | 1400  |
| <b>Total</b>   | <b>743</b> |   |   |   | <b>100</b> |   |   |   | <b>40</b> | <b>4</b> |   | <b>88</b> |   | <b>97</b> |   | <b>3</b> |   |   |   | <b>11</b> | <b>16</b> |    |   | <b>1400</b> |   | <b>2502</b> |       |

COPPER COUNTRY STATE FOREST

CRYSTAL FALLS FOREST MGT UNIT

DICKINSON COUNTY

COMPARTMENT: 19

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

| COMPARTMENT SUMMARY     |           |                             |           |
|-------------------------|-----------|-----------------------------|-----------|
| TOTAL VOLUME            |           | CUT VOLUME                  |           |
| Hardwood                | 40139 Cds | Hardwood                    | 12430 Cds |
| Hardwood                | 3947 Mbf  | Sum CutVol                  | 12430 Cds |
| Softwood                | 1841 Cds  |                             |           |
| Softwood                | 38 Mbf    |                             |           |
| Sum TotVol              | 49950 Cds |                             |           |
| <b>Total Cmpt Acres</b> |           | Acres Proposed For Cut..... | 761       |
| 2502                    |           |                             |           |

**CRYSTAL FALLS FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 19**

**Entry Year: 2007**

| Stand  | Cover Type | Acres      | Age | Site Index | Mgt Obj           | Condition  | Method Cut    | Harvest Priority | Cultural Need | FDF Status                   |  |
|--|------------|------------|-----|------------|-------------------|------------|---------------|------------------|---------------|------------------------------|--|
| 1  | M6         | 10         |     | 60         | northern hardwood | unevenaged | selection     | 2                |               | prescribed for fdf treatment |  |
| comnts Fmd : Leave the Oak, Hemlock, Cedar, Red Pine and White Pine.                   |            |            |     |            |                   |            |               |                  |               |                              |  |
| 6  | M6         | 236        |     | 60         | northern hardwood | unevenaged | selection     | 2                |               | prescribed for fdf treatment |  |
| comnts Fmd : Leave the Oak, Hemlock, Cedar, Red Pine and White Pine.                   |            |            |     |            |                   |            |               |                  |               |                              |  |
| 28   | M6         | 448        |     | 60         | northern hardwood | unevenaged | selection     | 2                |               | prescribed for fdf treatment |  |
| comnts Fmd : Leave and release the Oak. Leave Hemlock, Cedar, Red Pine and White Pine. |            |            |     |            |                   |            |               |                  |               |                              |  |
| 45   | M6         | 7          |     | 60         | northern hardwood | unevenaged | selection     | 2                |               | prescribed for fdf treatment |  |
| comnts Fmd : Leave and release the Oak. Leave Hemlock, Cedar, Red Pine and White Pine. |            |            |     |            |                   |            |               |                  |               |                              |  |
| 46   | M6         | 2          |     | 60         | northern hardwood | unevenaged | selection     | 2                |               | prescribed for fdf treatment |  |
| comnts Fmd : Leave and release the Oak. Leave Hemlock, Cedar, Red Pine and White Pine. |            |            |     |            |                   |            |               |                  |               |                              |  |
| 50   | A6         | 58         | 65  | 60         | aspen (upland)    | mature     | final harvest | 2                |               |                              |  |
| comnts Fmd : Leave Oak and White Pine.   |            |            |     |            |                   |            |               |                  |               |                              |  |
| <b>Total Acres.....</b>  |            | <b>761</b> |     |            |                   |            |               |                  |               |                              |  |

**Proposed Treatments  
With Limiting Factors**

**Compartment: 19**

**Entry Year: 2007**

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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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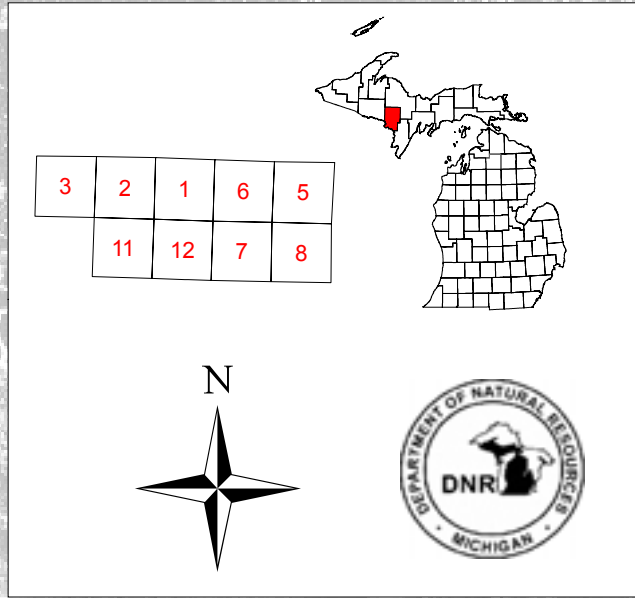
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 19  
 T44N, R27W, Sec. 5-8  
 T44N, R28W, Sec. 1-3, 11, 12  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2007  
 Acres: 2,502 GIS Calculated  
 Stand Examiner: Terry Cryderman  
 Map Revised: 9/07/2005  
 Map Phase: Pre-review



- Legend**
- × GPS Corner
  - - Poor Dirt Roads
  - Water Features
  - Stand Boundary
  - ▨ 100 - Final Harvest
  - ▩ 800 - Selection
  - Name Poor Dirt Roads
  - Name Gravel Roads
  - Name Water Features

