



**Crystal Falls Forest Management Unit  
Compartment Review Presentation  
Compartment 53      Entry Year: 2013  
Compartment Acreage: 2630    County: Dickinson**

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**Revision Date:** June 23, 2011

**Stand Examiner:** Cynthia Cooper

**Legal Description:** T42N, R29W, Sections 5-8, 17, 18

**RMU (if applicable):** None

**Management Goals:** Maintain and improve aspen and hardwoods.

**Soil and Topography:** Rolling hills and uplands with sandy loams and low lands with Cathro and Carbondale Mucks.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Entirely State ownership with the exception of one private 40.

**Unique, Natural Features:** Warren Pond.

**Archeological, Historical, and Cultural Features:** None

**Special Management Designations or Considerations:** None

**Watershed and Fisheries Considerations:** None

**Wildlife Habitat Considerations:** All species of wildlife need to be considered and a full range of habitat conditions should be provided. Conditions from early-successional to old growth must be provided to meet these needs. Riparian and transition zones were set aside in prior years of entry to provide some of these habitat requirements. Upland and lowland conifer components should be maintained and enhanced when possible. Opening maintenance will be completed as logistics allow.

**Mineral Resource and Development Concerns and/or Restrictions:**  
Compartment 53: Sections 5 – 8, 17 and 18, T42N-R29W, Dickinson County

Surface sediments consist of medium-textured and coarse-textured glacial till. The glacial drift thickness varies between 10 and 100 feet. The Cambrian Munising Formation, and Precambrian Michigamme Formation, Randville Dolomite and Archean granite/gneiss and volcanic and sedimentary rocks subcrop below the glacial drift. The Randville is used as a building stone. The other formations do not have a current economic use, although they might have building stone potential. There is a rock quarry/exploration area located in Section 2, one mile to the east. The Groveland Iron mine is located approximately three miles to the south. Part of this compartment was previously leased for metallic exploration and potential may still exist. A gravel pit is located two and one-half miles to the north. There should be some gravel potential. There is no economic oil and gas production in the UP.

**Vehicle Access:** Fair. Wells Grade Road runs through center of compartment. Many woods roads of fair to poor condition are also present.

**Survey Needs:** Will need corners in sections 5 and 7.

**Recreational Facilities and Opportunities:** A snowmobile trail runs through the center of the north half of the compartment and along the eastern edge. Many ages of aspen are present to provide habitat for game birds and swamp conifers for deer.

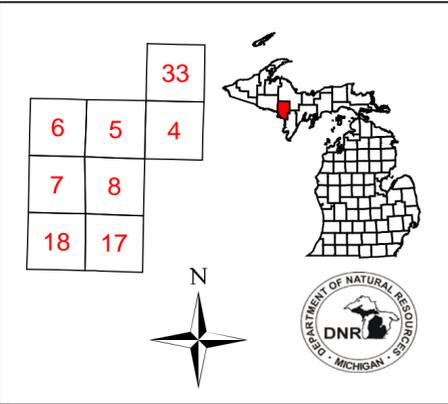
**Fire Protection:**

**Additional Compartment Information:**

- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **Dedicated and Proposed Special Conservation Areas**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand boundaries, cover types, and numbers**
  - ◆ **Proposed treatments**
  - ◆ **Details on the road access system**
  
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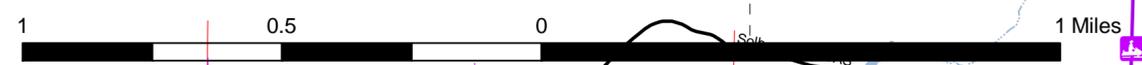
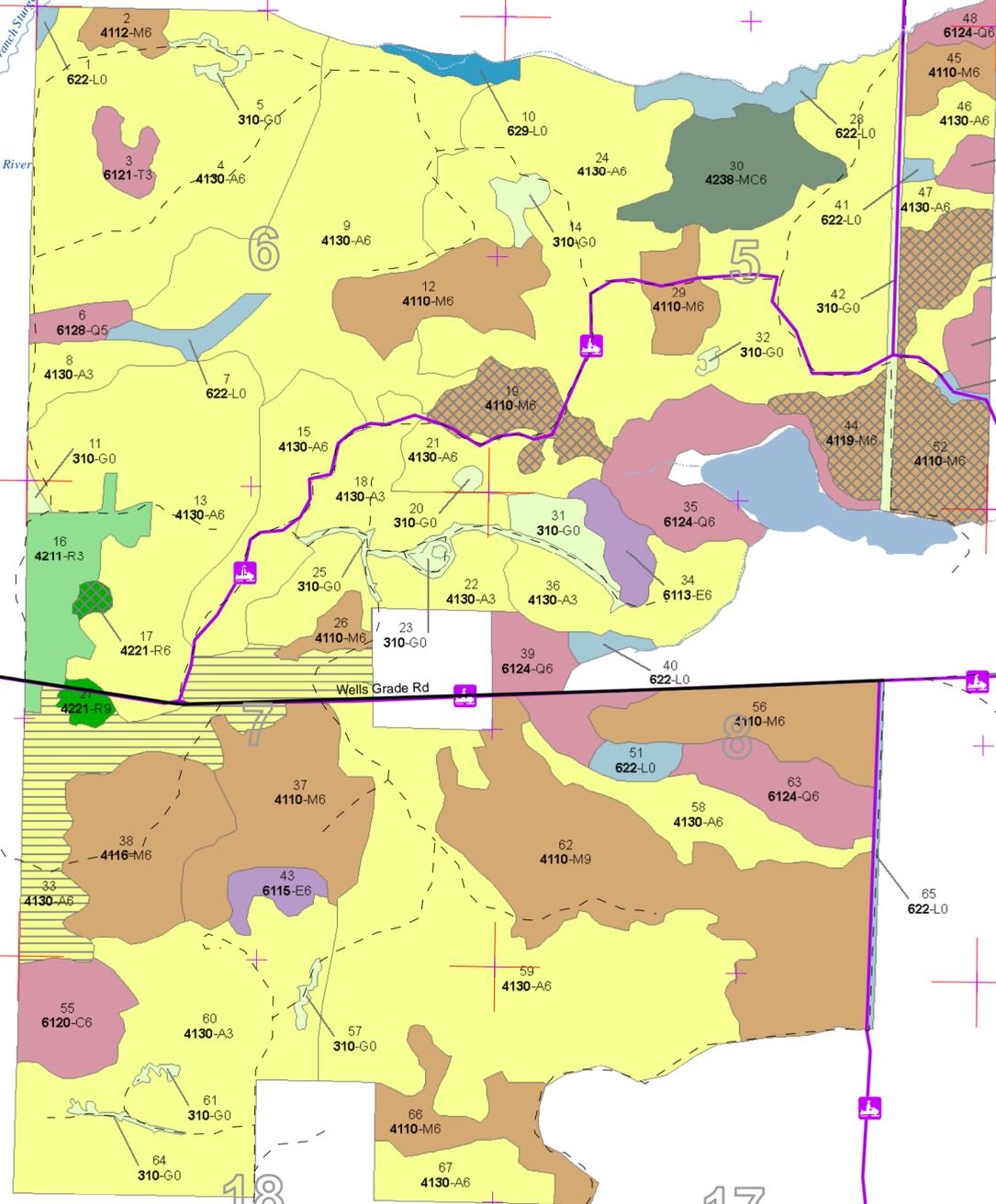
# Cover Type & Treatment Map

Compartment 053  
 T42N, R29W, Sec. 4-8, 17, 18  
 T43N, R29W, Sec. 33  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2013  
 Acres: 2,630 GIS Calculated  
 Stand Examiner: Cynthia Cooper  
 Map Revised: 7/28/2011  
 Map Phase: Pre-Review



Stand # **23** Stacking Density  
**(412)0** - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - ▲ Berm
  - × Gate
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Snowmobile Trail
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - ▨ Selection (Group, Single Tree)
- Forest Stands**
- Level 3**
- 412 - Planted Pines
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 310 - Herbaceous Openland
  - 622 - Lowland Shrub
  - 629 - Mixed non-forested wetland



# Stand Boundary Map

Compartment 053  
 T42N, R29W, Sec. 4-8, 17, 18  
 T43N, R29W, Sec. 33  
 County: Dickinson  
 Unit: Crystal Falls  
 YO: 2013  
 Acres: 2,630 GIS Calculated  
 Stand Examiner: Cynthia Cooper  
 Map Revised: 7/28/2011  
 Map Phase: Pre-Review

|    |    |    |
|----|----|----|
|    |    | 33 |
| 6  | 5  | 4  |
| 7  | 8  |    |
| 18 | 17 |    |



Stand #  
 (23)  
 Stacking Density  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

**Legend**

- Miris Corners
- + Remonumented Section Corners
- ▲ Berm
- × Gate
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trail
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**

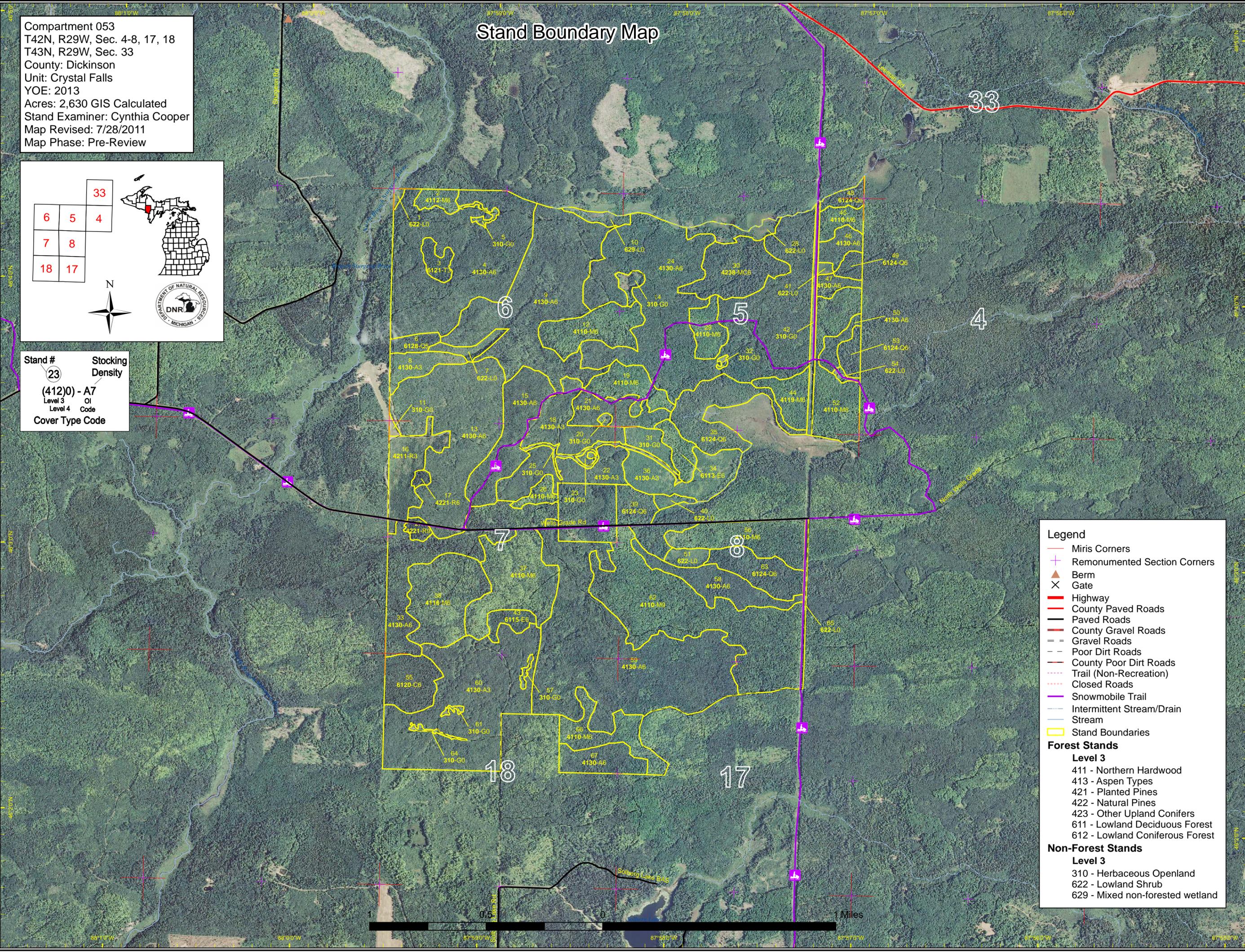
**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

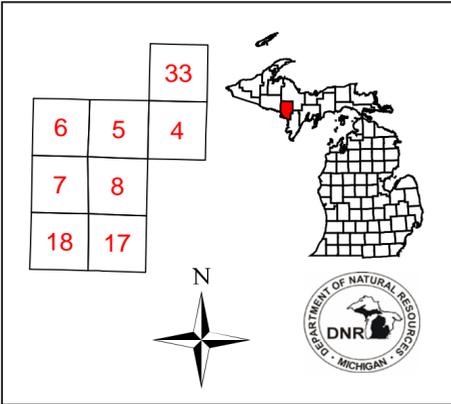
**Level 3**

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

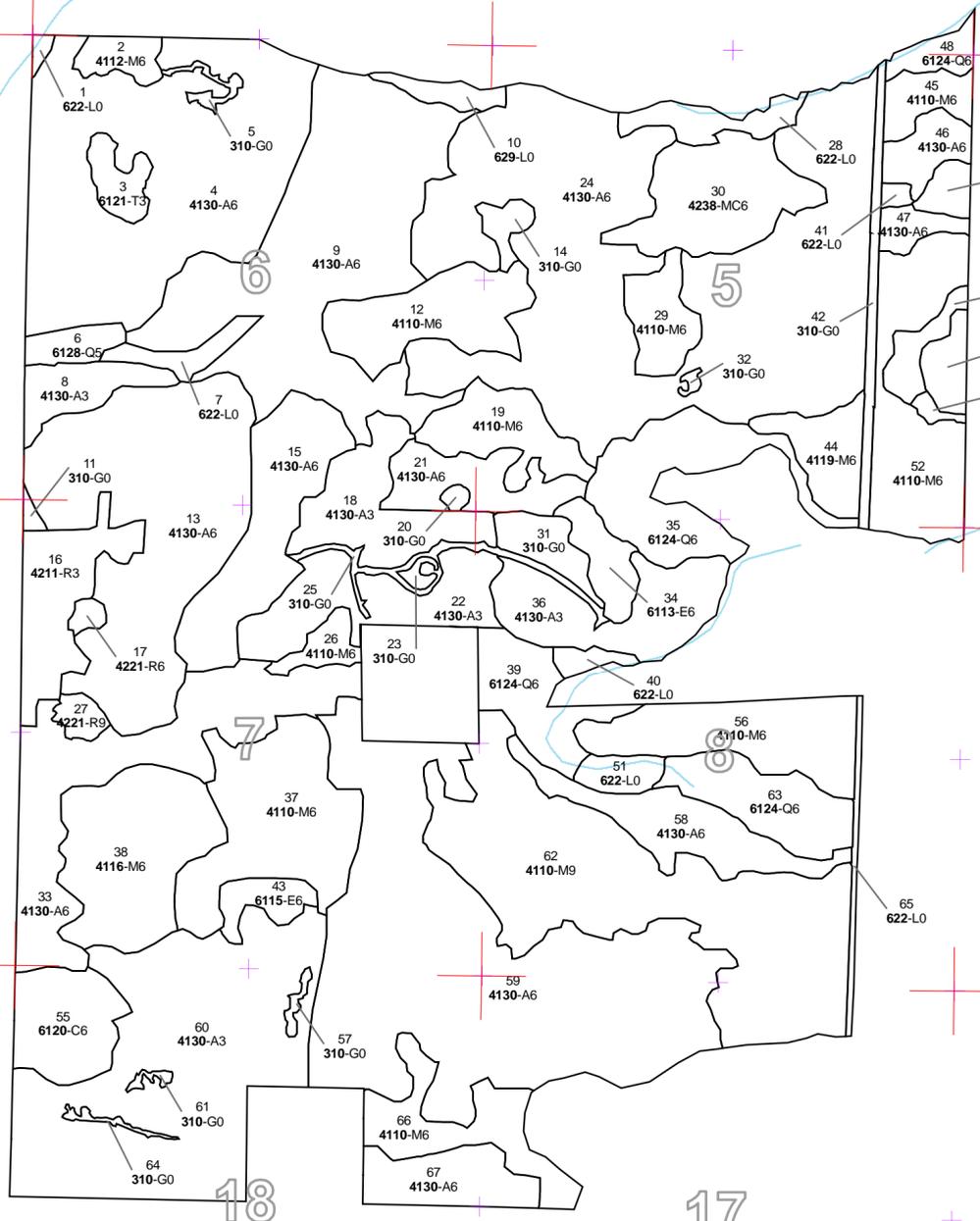


# Dedicated & Proposed Special Conservation Area Map

Compartment 053  
 T42N, R29W, Sec. 4-8, 17, 18  
 T43N, R29W, Sec. 33  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2013  
 Acres: 2,630 GIS Calculated  
 Stand Examiner: Cynthia Cooper  
 Map Revised: 7/28/2011  
 Map Phase: Pre-Review



**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries

**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

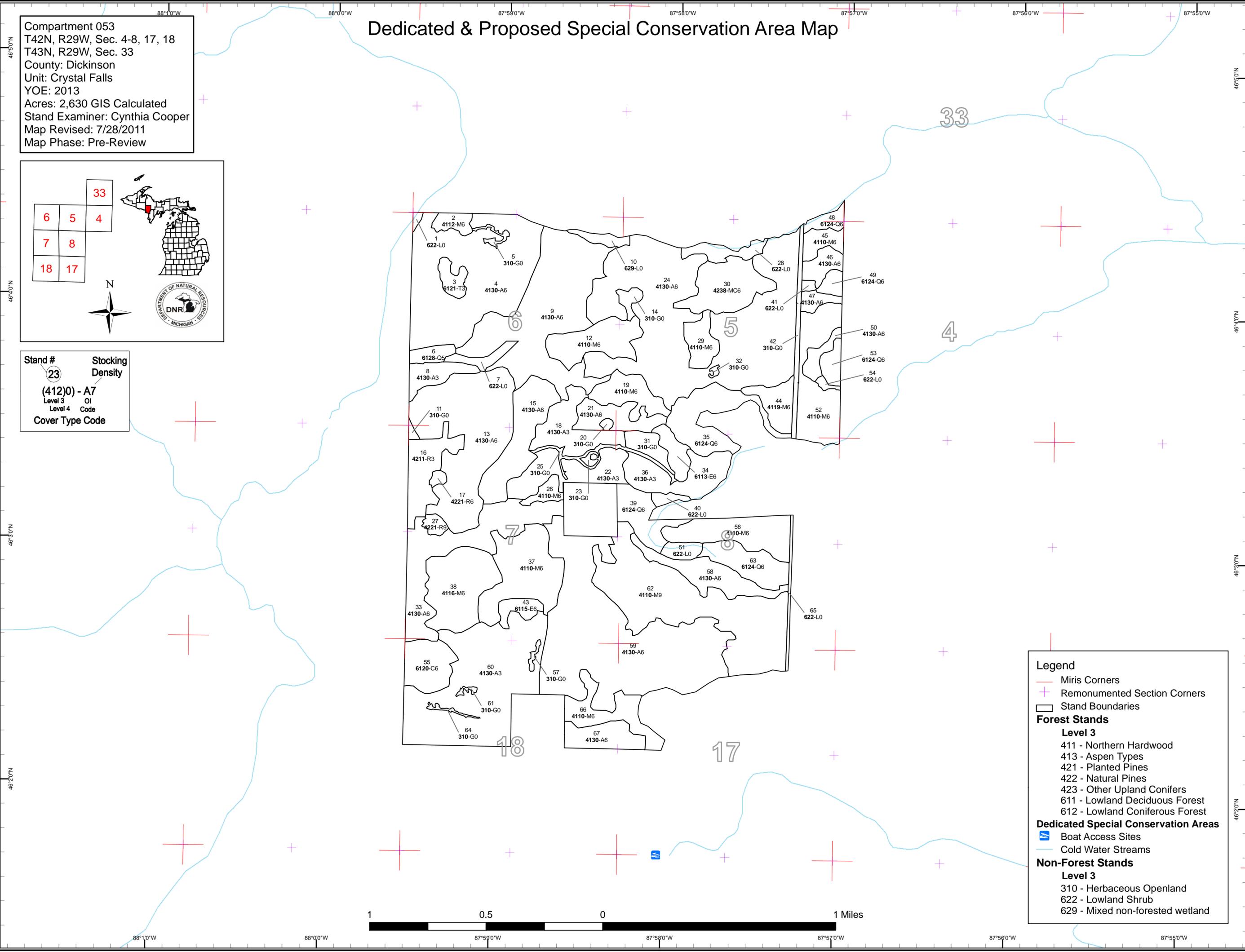
**Dedicated Special Conservation Areas**

- Boat Access Sites
- Cold Water Streams

**Non-Forest Stands**

**Level 3**

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



**Table 1 – Total Acres by Cover Type and Age Class**



|                     | Age Class    |           |            |            |             |           |          |           |          |            |            |          |          |           | Total    |             |
|---------------------|--------------|-----------|------------|------------|-------------|-----------|----------|-----------|----------|------------|------------|----------|----------|-----------|----------|-------------|
|                     | Non-Forested | 1-9       | 10-19      | 20-29      | 30-39       | 40-49     | 50-59    | 60-69     | 70-79    | 80-89      | 90-99      | 100-109  | 110-119  | 120 +     |          | Uneven Age  |
| Aspen               | 0            | 63        | 86         | 315        | 1064        | 87        | 0        | 0         | 0        | 0          | 0          | 0        | 0        | 0         | 0        | 1615        |
| Cedar               | 0            | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 0          | 0          | 0        | 0        | 32        | 0        | 32          |
| Herbaceous Openland | 57           | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 0          | 0          | 0        | 0        | 0         | 0        | 57          |
| Lowland Conifers    | 0            | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 141        | 9          | 0        | 0        | 0         | 0        | 151         |
| Lowland Deciduous   | 0            | 0         | 0          | 0          | 0           | 0         | 0        | 11        | 0        | 15         | 0          | 0        | 0        | 0         | 0        | 26          |
| Lowland Shrub       | 56           | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 0          | 0          | 0        | 0        | 0         | 0        | 56          |
| Northern Hardwood   | 0            | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 87         | 501        | 0        | 0        | 0         | 0        | 588         |
| Red Pine            | 0            | 0         | 37         | 0          | 0           | 0         | 0        | 0         | 8        | 0          | 0          | 0        | 0        | 0         | 0        | 46          |
| Tamarack            | 0            | 0         | 0          | 0          | 10          | 0         | 0        | 0         | 0        | 0          | 0          | 0        | 0        | 0         | 0        | 10          |
| Upland Conifers     | 0            | 0         | 0          | 0          | 0           | 0         | 0        | 0         | 0        | 49         | 0          | 0        | 0        | 0         | 0        | 49          |
| <b>Total</b>        | <b>113</b>   | <b>63</b> | <b>123</b> | <b>315</b> | <b>1074</b> | <b>87</b> | <b>0</b> | <b>11</b> | <b>8</b> | <b>291</b> | <b>510</b> | <b>0</b> | <b>0</b> | <b>32</b> | <b>0</b> | <b>2630</b> |



## Table 2 – Proposed Treatment Summaries

**Crystal Falls Mgt. Unit**  
**Year of Entry 2013**

**Compartment 053**  
**Total Compartment Acres: 2630**

### Acres by Treatment Type

|                          |                         |                   |                     |           |
|--------------------------|-------------------------|-------------------|---------------------|-----------|
| Commercial Harvest - 198 | Site Prep - 0           | Tree Planting - 0 | Prescribed Burn - 0 | Other - 0 |
| Habitat Cut - 0          | Opening Maintenance - 0 | Tree Seeding - 0  | Pesticide - 0       |           |

### Cover Type by Harvest Method

|                          | <i>Clearcut</i> | <i>Selection</i> | <i>Seed Tree</i> | <i>Shelterwood</i> | <i>Thinning</i> | <i>Other - Specify</i> | <i>Total Acres</i> |
|--------------------------|-----------------|------------------|------------------|--------------------|-----------------|------------------------|--------------------|
| <b>Aspen</b>             | 87              | 0                | 0                | 0                  | 0               | 0                      | 87                 |
| <b>Northern Hardwood</b> | 0               | 108              | 0                | 0                  | 0               | 0                      | 108                |
| <b>Red Pine</b>          | 0               | 3                | 0                | 0                  | 0               | 0                      | 3                  |
| <b>Total</b>             | 87              | 111              | 0                | 0                  | 0               | 0                      | 198                |



| S<br>t<br>a<br>n<br>d   | Treatment<br>Name | Acres | Stage1<br>CoverType                | Size<br>Density   | Stand<br>Age | Treatment<br>Type | Treatment<br>Method       | Cover Type<br>Objective            | Approval<br>Status       |
|---|-------------------|-------|------------------------------------|-------------------|--------------|-------------------|---------------------------|------------------------------------|--------------------------|
| 17  | 12053017-Cut      | 2.9   | 42210 - Natural<br>Red Pine        | High Density Pole | 70           | Harvest           | Single Tree Selection     | 42210 - Natural Red<br>Pine        | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin basal area down to 120 removing poorer trees first.  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Specs:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Other</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Comments:</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Next</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Steps:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| 19  | 12053019-Cut      | 28.5  | 4110 - Sugar Maple<br>Association  | High Density Pole | 80           | Harvest           | Single Tree Selection     | 4110 - Sugar Maple<br>Association  | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin to a residual basal area of 80 taking aspen and poor quality trees first. Hold conifer as per wildlife division.                       |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Specs:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Other</u> Aspen can be spec'd for cut rather than marked.  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Comments:</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Next</u> Regeneration check.   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Steps:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| 33  | 12053033-Cut      | 87.1  | 4130 - Aspen                       | High Density Pole | 47           | Harvest           | Clearcut with<br>Reserves | 4134 - Aspen,<br>Spruce/Fir        | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Clear cut retaining spruce/fir under 6" at the stump and all pine. Also retain cedar, hemlock and oak if present. Do not enter small E type |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Specs:</u> inclusion along road.   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Other</u> Aspen is currently 2 aged.   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Comments:</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Next</u> Regeneration check  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Steps:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| 44  | 12053044-Cut      | 21.3  | 4119 - Mixed<br>Northern Hardwoods | High Density Pole | 95           | Harvest           | Single Tree Selection     | 4119 - Mixed<br>Northern Hardwoods | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin to a basal area of 80 removing aspen and poorer trees first. Hold conifer as per wildlife division.                                    |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Specs:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Other</u> Aspen can be spec'd for cut rather than marked.  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Comments:</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Next</u> Regeneration check.   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Steps:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| 52  | 12053052-Cut      | 57.9  | 4110 - Sugar Maple<br>Association  | High Density Pole | 95           | Harvest           | Single Tree Selection     | 4110 - Sugar Maple<br>Association  | Cmpt. Review<br>Proposal |
| <u>Prescription</u> Thin to a residual basal area of 80 taking aspen and poor quality trees first. Hold conifer as per wildlife division.                       |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Specs:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Other</u> Aspen can be spec'd for cut rather than marked.  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Comments:</u>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Next</u> Regeneration check.   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <u>Steps:</u>   |                   |       |                                    |                   |              |                   |                           |                                    |                          |
| <b>Total Treatment<br/>Acreage Proposed: 197.8</b>  |                   |       |                                    |                   |              |                   |                           |                                    |                          |

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| Treatment Name | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|
|----------------|-------|------------------|--------------|-----------|----------------|------------------|----------------------|-----------------|

#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**Total Treatment**  
**Acreage Proposed: 0**

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2013



| Treatment Name     | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method       | Cover Type Objective | Approval Status       |
|--------------------|-------|------------------|--------------|-----------|----------------|------------------------|----------------------|-----------------------|
| 12060_OutOfYOE-Cut | 6.0   |                  |              |           | Harvest        | Clearcut with Reserves | 4130 - Aspen         | Cmpt. Review Proposal |

Prescription: Clearcut 2" dbh and above except cedar, hemlock and pine if present.

Specs:

Other:

Comments:

Next

Steps:

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**Total Treatment  
Acreage Proposed: 6.0**



| Stand | Level 4 Cover Type                         | Size Density         | Acres | Stand Age | BA Range | General Comments:  |
|-------|--|----------------------|-------|-----------|----------|--|
| 2     | 4112 - Maple, Beech, Cherry Association    | High Density Pole    | 9.7   | 90        | 81-110   | Stand thinned and aspen removed 30 years ago. BA now averaging 90. |
| 3     | 6121 - Tamarack                            | High Density Sapling | 10.4  | 30        |          |  |
| 4     | 4130 - Aspen                               | High Density Pole    | 175.9 | 38        |          |  |
| 6     | 6128 - Lowland Coniferous, Mixed Deciduous | Medium Density Pole  | 9.3   | 90        |          |  |
| 8     | 4130 - Aspen                               | High Density Sapling | 18.3  | 6         |          |  |
| 9     | 4130 - Aspen                               | High Density Pole    | 162.1 | 30        |          |  |
| 12    | 4110 - Sugar Maple Association             | High Density Pole    | 41.8  | 90        | 81-110   | scattered aspen.   |
| 13    | 4130 - Aspen                               | High Density Pole    | 144.1 | 28        |          |  |
| 15    | 4130 - Aspen                               | High Density Pole    | 56.2  | 33        |          |  |
| 16    | 42110 - Planted Red Pine                   | High Density Sapling | 37.3  | 16        |          |  |
| 17    | 42210 - Natural Red Pine                   | High Density Pole    | 2.9   | 70        | 171-200  | brush in understory  |
| 18    | 4130 - Aspen                               | High Density Sapling | 40.8  | 18        |          | Hunter walking trail in stand.                                     |
| 19    | 4110 - Sugar Maple Association             | High Density Pole    | 28.5  | 80        | 81-110   |  |
| 21    | 4130 - Aspen                               | High Density Pole    | 27.1  | 30        |          |  |
| 22    | 4130 - Aspen                               | High Density Sapling | 45.0  | 18        |          | Hunter walking trail/road in stand.                                |
| 24    | 4130 - Aspen                               | High Density Pole    | 299.4 | 38        |          |  |
| 26    | 4110 - Sugar Maple Association             | High Density Pole    | 8.5   | 80        | 81-110   |  |
| 27    | 42210 - Natural Red Pine                   | High Density Log     | 5.5   | 75        | 111-140  |  |



| Stand | Crystal Falls Mgt. Unit                          |                      |       | 5 – Forested Stands |             | Compartment: 053<br>Year of Entry: 2013   |  |
|-------|--|----------------------|-------|---------------------|-------------|---|--|
|       | Level 4<br>Cover Type                            | Size<br>Density      | Acres | Stand<br>Age        | BA<br>Range | General<br>Comments:  |  |
| 29    | 4110 - Sugar Maple Association                   | High Density Pole    | 18.9  | 90                  |             |   |  |
| 30    | 42380 - Non Pine Upland Conifer, Mixed Deciduous | High Density Pole    | 48.6  | 81                  |             |   |  |
| 33    | 4130 - Aspen                                     | High Density Pole    | 87.1  | 47                  |             |   |  |
| 34    | 6113 - Lowland Maple                             | High Density Pole    | 14.5  | 86                  |             |   |  |
| 35    | 6124 - Lowland Spruce-Fir                        | High Density Pole    | 51.6  | 86                  |             |   |  |
| 36    | 4130 - Aspen                                     | High Density Sapling | 44.9  | 7                   |             |   |  |
| 37    | 4110 - Sugar Maple Association                   | High Density Pole    | 70.6  | 95                  | 81-110      | Much B.F. in understory less than 3 feet. Also ironwood around 4 feet tall.   |  |
| 38    | 4116 - Mixed N. Hardwood - Aspen                 | High Density Pole    | 65.9  | 95                  | 81-110      | Much aspen in stand around 30 years old. Stand was high graded in past and logger left uncut marked trees. Larger hardwood poor but small poles good. 5-10 foot maple saps present. Hold and recheck in 10 years. |  |
| 39    | 6124 - Lowland Spruce-Fir                        | High Density Pole    | 29.9  | 86                  |             |   |  |
| 43    | 6115 - Lowland Ash                               | High Density Pole    | 11.1  | 60                  |             |   |  |
| 44    | 4119 - Mixed Northern Hardwoods                  | High Density Pole    | 21.3  | 95                  | 81-110      | BF seedlings in understory. Hilly but operable.   |  |
| 45    | 4110 - Sugar Maple Association                   | High Density Pole    | 13.2  | 95                  | 81-110      | Area high to BF on east side  |  |
| 46    | 4130 - Aspen                                     | High Density Pole    | 13.9  | 38                  |             |   |  |
| 47    | 4130 - Aspen                                     | High Density Pole    | 8.0   | 38                  |             |   |  |
| 48    | 6124 - Lowland Spruce-Fir                        | High Density Pole    | 8.8   | 81                  |             |   |  |
| 49    | 6124 - Lowland Spruce-Fir                        | High Density Pole    | 7.1   | 81                  |             |   |  |
| 50    | 4130 - Aspen                                     | High Density Pole    | 10.0  | 38                  |             |   |  |

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## Crystal Falls Mgt. Unit

## 5 – Forested Stands

Compartment: 053  
Year of Entry: 2013

| Stand | Level 4 Cover Type             | Size Density         | Acres | Stand Age | BA Range | General Comments:  |
|-------|--------------------------------|----------------------|-------|-----------|----------|--|
| 52    | 4110 - Sugar Maple Association | High Density Pole    | 57.9  | 95        | 111-140  | Hilly but operable. Poles fair to good, logs mostly poor. Has old marks on trees in north of stand but has not been cut. |
| 53    | 6124 - Lowland Spruce-Fir      | High Density Pole    | 10.3  | 81        |          | Part of a larger stand in compartment to the east.   |
| 55    | 6120 - Lowland Cedar           | High Density Pole    | 32.5  | 120       |          |  |
| 56    | 4110 - Sugar Maple Association | High Density Pole    | 49.6  | 85        | 81-110   | occasional paper and yellow birch  |
| 58    | 4130 - Aspen                   | High Density Pole    | 37.8  | 32        |          |  |
| 59    | 4130 - Aspen                   | High Density Pole    | 247.0 | 37        |          |  |
| 60    | 4130 - Aspen                   | High Density Sapling | 171.3 | 20        |          |  |
| 62    | 4110 - Sugar Maple Association | High Density Log     | 166.5 | 95        | 81-110   |  |
| 63    | 6124 - Lowland Spruce-Fir      | High Density Pole    | 33.7  | 86        |          |  |
| 66    | 4110 - Sugar Maple Association | High Density Pole    | 35.2  | 90        | 111-140  |  |
| 67    | 4130 - Aspen                   | High Density Pole    | 26.4  | 37        |          |  |



| Stand | Cover Type                       | Acres | Managed Site | Management Priority (Objective) | General Comments:  |
|-------|----------------------------------|-------|--------------|---------------------------------|--|
| 1     | 6229 - Mixed lowland shrub       | 1.7   | No           | Unspecified                     |  |
| 5     | 3102 - Grass                     | 3.1   | No           | Unspecified                     |  |
| 7     | 6229 - Mixed lowland shrub       | 9.3   | No           | Unspecified                     |  |
| 10    | 629 - Mixed non-forested wetland | 7.6   | No           | Unspecified                     |  |
| 11    | 3102 - Grass                     | 1.6   | No           | Unspecified                     | South end of an air landing strip that begins on privately owned land. |
| 14    | 3102 - Grass                     | 6.2   | No           | Unspecified                     |  |
| 20    | 3102 - Grass                     | 1.6   | No           | Unspecified                     |  |
| 23    | 3102 - Grass                     | 2.0   | No           | Unspecified                     |  |
| 25    | 3102 - Grass                     | 9.8   | No           | Unspecified                     |  |
| 28    | 6229 - Mixed lowland shrub       | 14.4  | No           | Unspecified                     |  |
| 31    | 3102 - Grass                     | 13.0  | No           | Unspecified                     |  |
| 32    | 3102 - Grass                     | 1.1   | No           | Unspecified                     |  |
| 40    | 6229 - Mixed lowland shrub       | 4.7   | No           | Unspecified                     |  |
| 41    | 6229 - Mixed lowland shrub       | 2.1   | No           | Unspecified                     |  |
| 42    | 3102 - Grass                     | 13.4  | No           | Unspecified                     |  |
| 51    | 6229 - Mixed lowland shrub       | 8.7   | No           | Unspecified                     |  |
| 54    | 6229 - Mixed lowland shrub       | 2.3   | No           | Unspecified                     |  |
| 57    | 3102 - Grass                     | 1.8   | No           | Unspecified                     | woods road   |



| Stand | Cover Type                 | Acres | Managed Site | Management Priority (Objective) | General Comments: |
|-------|----------------------------|-------|--------------|---------------------------------|-------------------|
| 61    | 3102 - Grass               | 1.3   | No           | Unspecified                     | woods road        |
| 64    | 3102 - Grass               | 1.9   | No           | Unspecified                     |                   |
| 65    | 6229 - Mixed lowland shrub | 5.7   | No           | Unspecified                     |                   |



**7 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS**

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

| Stand | SCA Type | SCA Name | Acres | Comments |
|-------|----------|----------|-------|----------|
|       |          |          |       |          |



**8 – DEDICATED CONSERVATION AREA DETAILS**

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area  
 HCVA = High Conservation Value Area  
 SCA = Special Conservation Area

| Conservation Area | Type              | Description   |
|-------------------|-------------------|---|
| SCA               | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |