



**Crystal Falls Forest Management Unit  
Compartment Review Presentation  
Compartment # 41 Entry Year: 2013  
Compartment Acreage: 3465 County: Dickinson**

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**Revision Date:** 06/01/11

**Stand Examiner:** Scott Sebero

**Legal Description:** T43N, R28W, Sec. 6, 7, 18  
T43N, R29W, Sec. 1, 2, 3, 10, 11, 12, 13, 14  
T44N, R29W, Sec. 35, 36

**RMU (if applicable):**

**Management Goals:** Our management goals in this compartment are to develop age class distribution in aspen types, maintain health of conifer types and increase acreage where possible, and to develop the quality while maintaining diversity in hardwood types.

**Soil and Topography:** Land is nearly level to hilly with a mix of Pemene and Emmet soils that are well-drained loamy and sandy soils on ground moraines, end moraines and outwash plains. Some areas contain rock outcrops up to 50 feet in height. Some narrow depressions contain Cathro soils that are poorly drained black muck.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Ownership patterns in and around this compartment consist mostly of State lands with a few private parcels and camps. These lands are used mainly for hunting and managed for forest products.

**Unique, Natural Features:** The Ford River is the southern border and the N. Branch of the Ford is the northern border of the compartment.

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

**Special Management Designations or Considerations:** None.

**Watershed and Fisheries Considerations:**

**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. To increase age-class diversity stands that are 40-50 years old and are being scheduled

for harvest should have only a portion of the previous acreage cut. Openings will be maintained as logistics permit.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of end moraines of medium-textured glacial till. The glacial drift thickness varies between 0 and 100 feet. The Cambrian Munising Formation and Precambrian granite and gneiss subcrop below the glacial drift. There is not an economic use for these rocks, although the granite might have building stone potential. The topo indicates a rock (Randville?) quarry is located five miles to the south. Groveland Iron mine is located approximately nine miles to the southwest. The area around the compartment was previously leased for metallic exploration and a portion of the Compartment was recently leased. A gravel pit is indicated two miles to the southwest. There appears to be gravel potential in the compartment. There is no economic oil and gas production in the UP currently.

**Vehicle Access:** Vehicle access is from Turner Road, Hintz Road and associated trail roads.

**Survey Needs:** Three interior corners will be needed in T43N, R29W, Sec. 11.

**Recreational Facilities and Opportunities:** None.

**Fire Protection:**

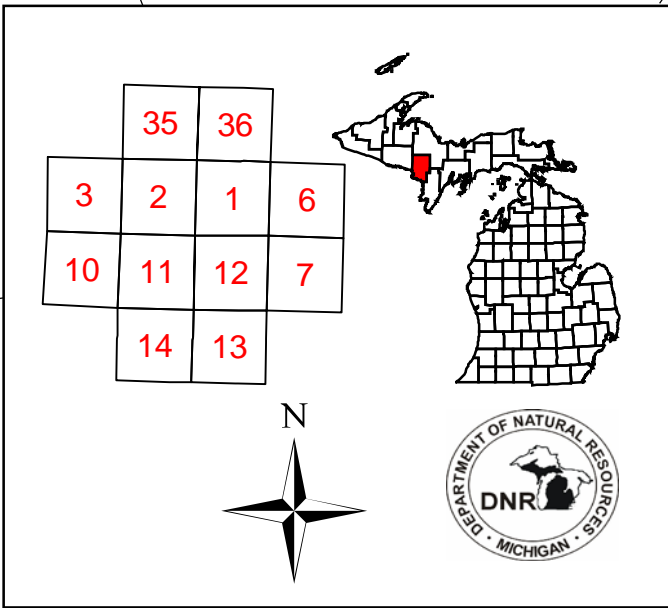
**Additional Compartment Information:** None.

- **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 041  
 T44N, R29W, Sec. 35, 36  
 T43N, R29W, Sec. 1-3, 10-14  
 T43N, R28W, Sec. 6, 7  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2013  
 Acres: 3,465 GIS Calculated  
 Stand Examiner: Scott Sebero  
 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
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

**Forest Stands**

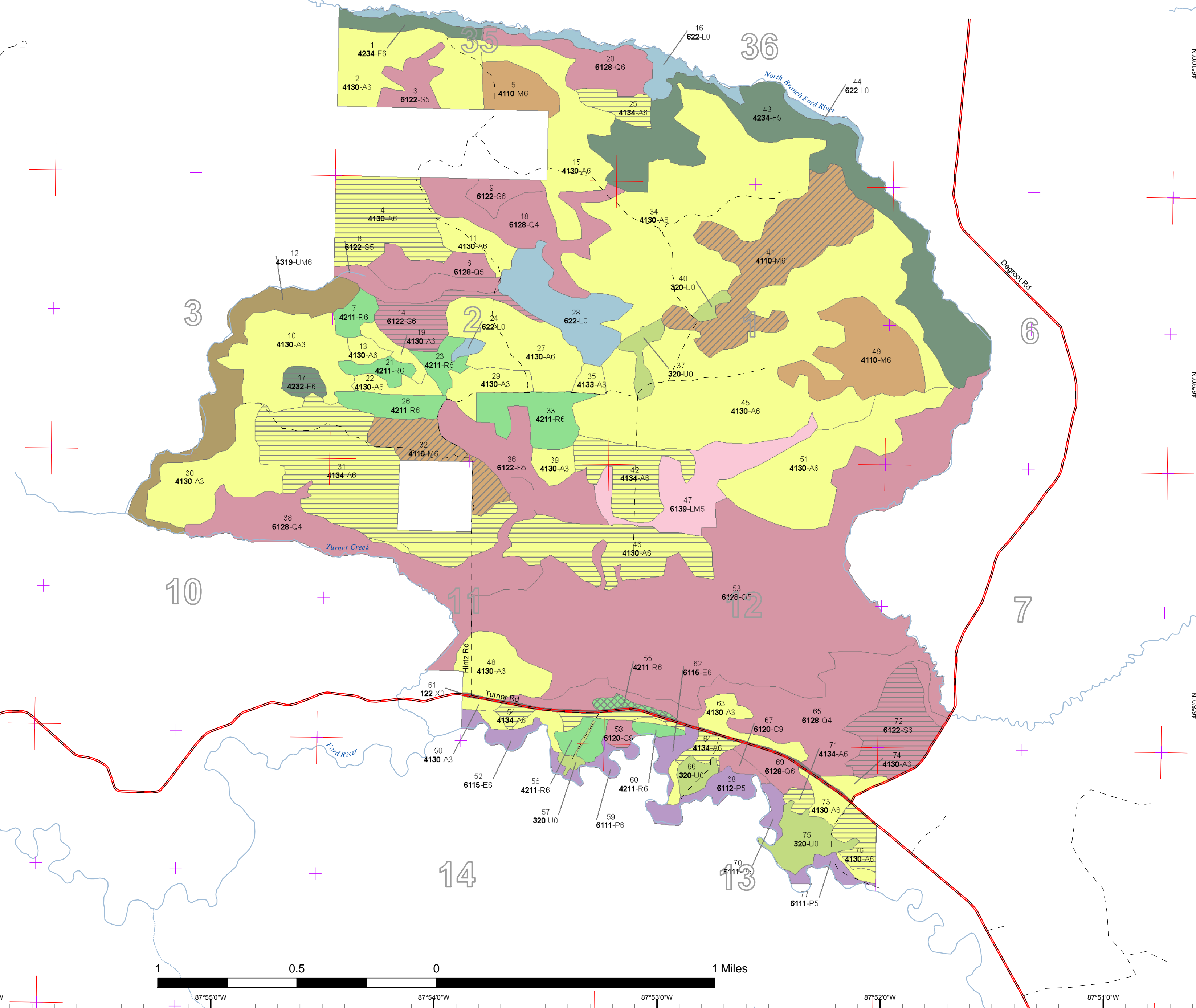
Level 3

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

**Non-Forest Stands**

Level 3

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 622 - Lowland Shrub

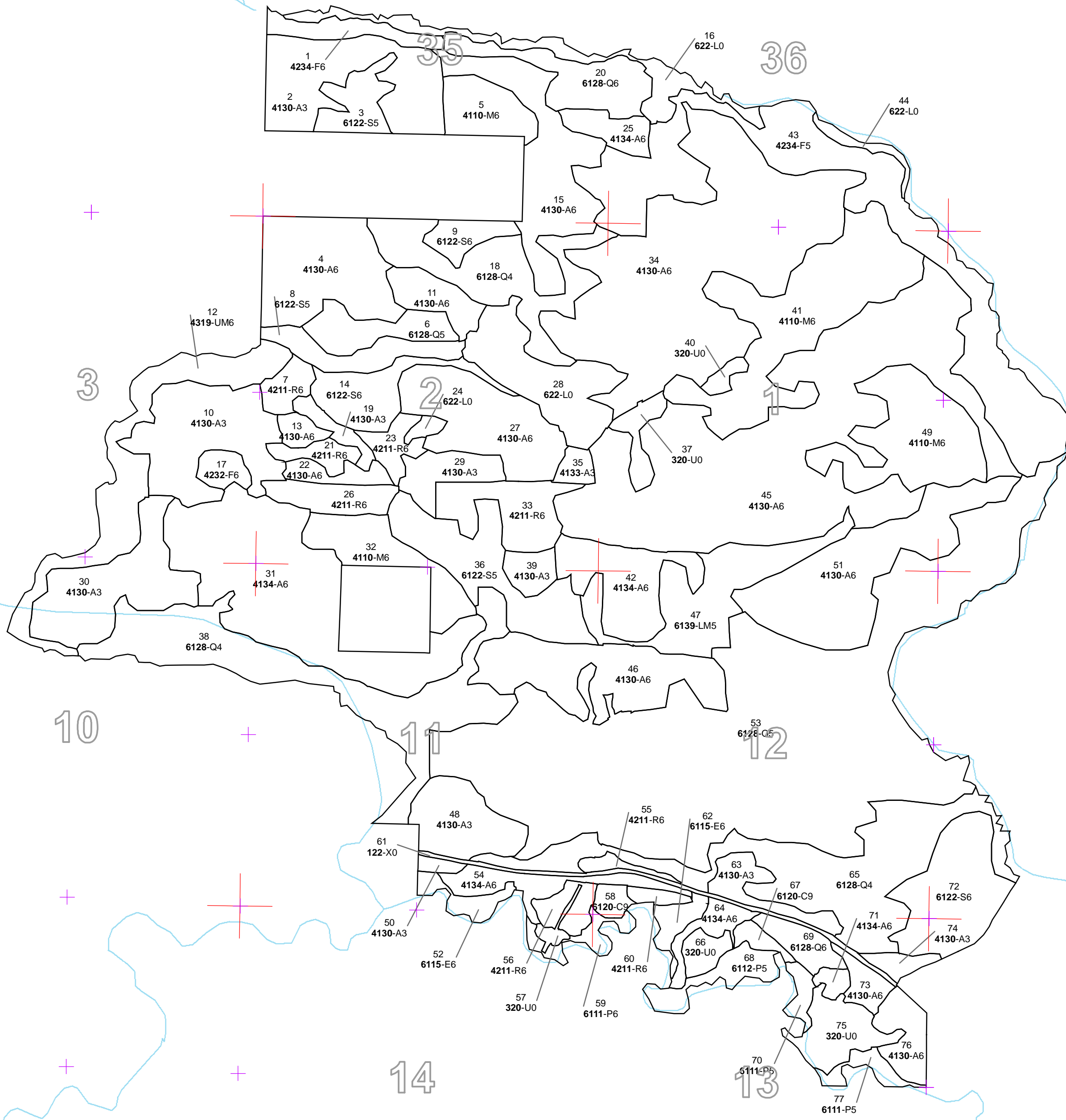
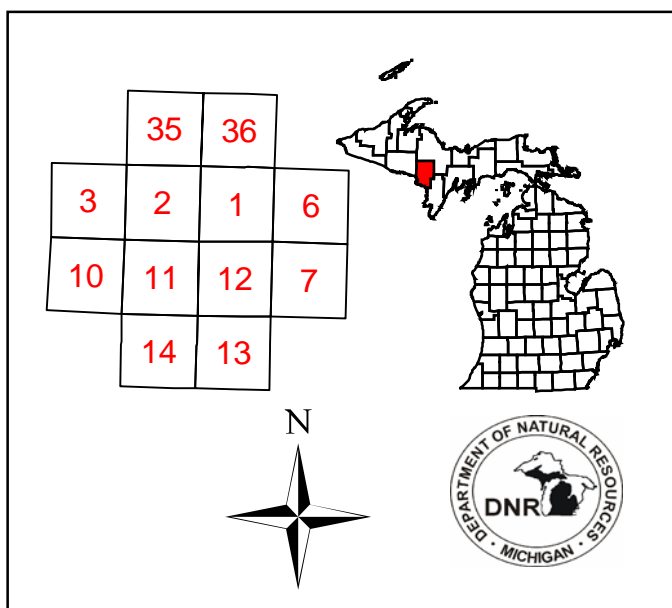




# Dedicated & Proposed Special Conservation Area Map

Compartment 041  
 T44N, R29W, Sec. 35, 36  
 T43N, R29W, Sec. 1-3, 10-14  
 T43N, R28W, Sec. 6, 7  
 County: Dickinson  
 Unit: Crystal Falls  
 YOE: 2013  
 Acres: 3,465 GIS Calculated  
 Stand Examiner: Scott Sebero  
 Map Revised: 7/28/2011  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- ⊕ Remonumented Section Corners
- Stand Boundaries
- Dedicated Special Conservation Areas
- Cold Water Streams

**Forest Stands**

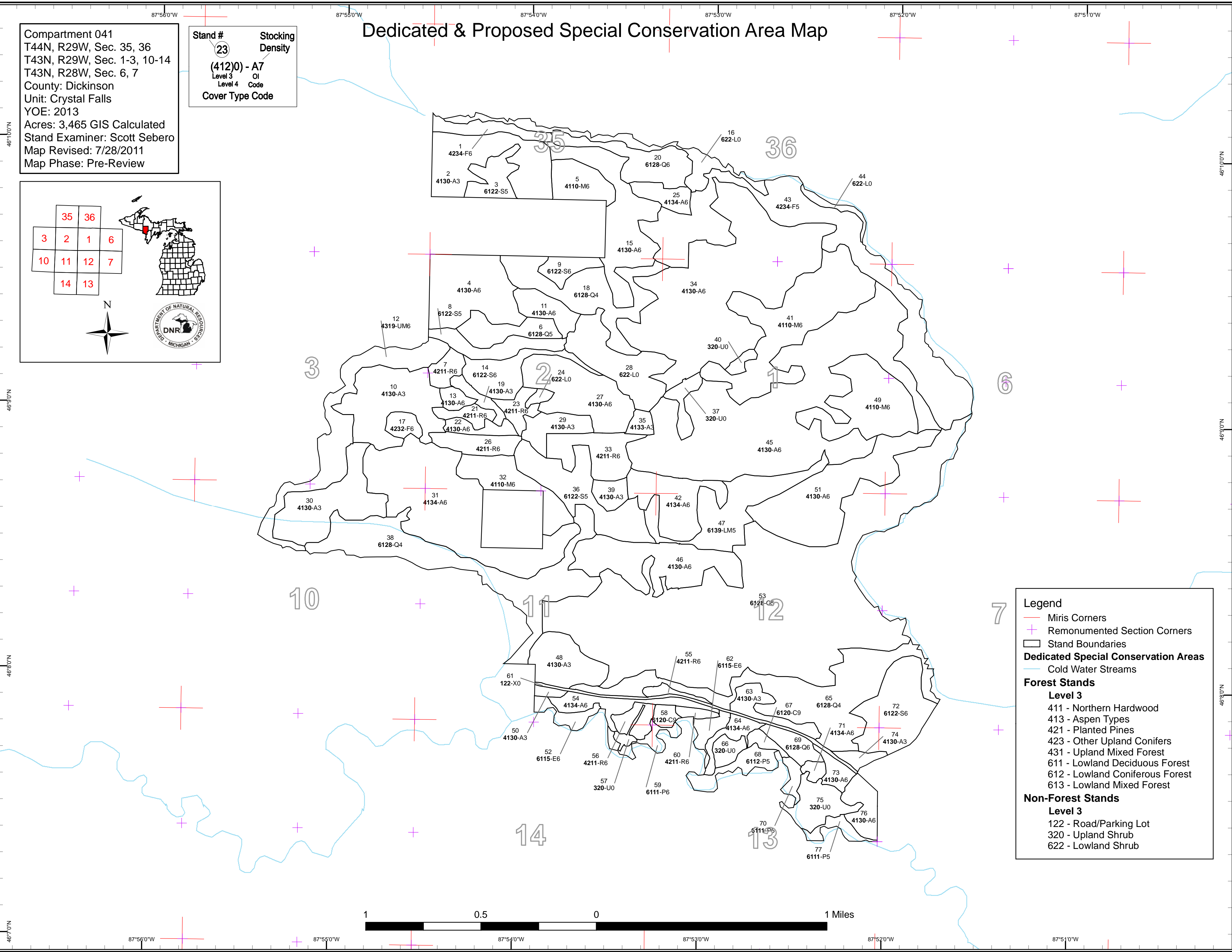
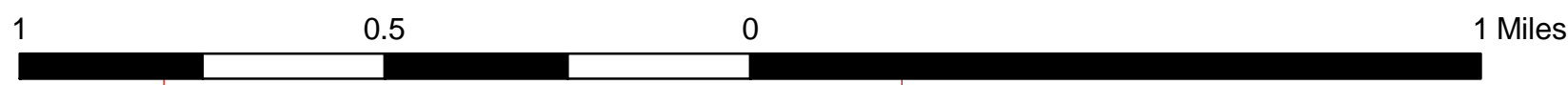
**Level 3**

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

**Non-Forest Stands**

**Level 3**

- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 622 - Lowland Shrub



**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 +		Uneren Age
Aspen	0	107	178	117	694	0	68	0	0	332	0	0	0	0	0	1496
Cedar	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	43
Lowland Conifers	0	0	0	0	0	0	0	0	0	862	0	0	0	0	0	862
Lowland Deciduous	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	20
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	61
Lowland Shrub	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	205	0	0	0	0	0	205
Northern Hardwood	0	0	0	0	0	0	0	0	0	243	0	0	0	0	0	243
Red Pine	0	0	0	0	0	109	0	0	0	0	0	0	0	0	0	109
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	68	0	0	0	0	0	68
Upland Shrub	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	187	0	0	0	0	0	187
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
<b>Total</b>	<b>160</b>	<b>107</b>	<b>178</b>	<b>117</b>	<b>694</b>	<b>109</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>2032</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3465</b>



## Table 2 – Proposed Treatment Summaries

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

**Compartment 041**  
**Total Compartment Acres: 3465**

### Acres by Treatment Type

Commercial Harvest - 630	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>	383	0	0	0	0	0	383
<b>Lowland Spruce/Fir</b>	84	0	0	0	0	0	84
<b>Northern Hardwood</b>	0	0	0	0	148	0	148
<b>Red Pine</b>	0	5	0	0	0	0	5
<b>Upland Spruce/Fir</b>	9	0	0	0	0	0	9
<b>Total</b>	<b>476</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>148</b>	<b>0</b>	<b>630</b>



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	12041004-Cut	68.2	4130 - Aspen	High Density Pole	50	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood with a 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white pine, cedar, hemlock and oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be along Q-types to the south and east. 100 foot buffer along creek to south.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.</p> <p><u>Steps:</u></p>									
14	12041014-Cut	30.8	6122 - Black Spruce	High Density Pole	85	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all mixed softwood, except cedar and hemlock, with a stump diameter of 6" or more.</p> <p><u>Specs:</u></p> <p><u>Other</u> 100 foot buffer on creek to north. Retention will be along north side of stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify after harvest. Regen survey per work constructions. Trench and hand plant if natural regen isn't at acceptable levels.</p> <p><u>Steps:</u></p>									
17	12041017-Cut	9.1	42320 - Upland Spruce	High Density Pole	85	Harvest	Clearcut with Reserves	42320 - Upland Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all mixed softwood, except cedar and hemlock, that have a stump diameter of 6" or more.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be along small drainage within stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Scarify stand after harvest. Regen survey per work constructions.</p> <p><u>Steps:</u> Trench and hand plant if natural regen isn't at acceptable levels.</p>									
25	12041025-Cut	14.4	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood with a 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white pine, cedar, hemlock and oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be along Q-type to the north.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.</p> <p><u>Steps:</u></p>									
31	12041031-Cut	141.2	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all white pine, cedar, hemlock, oak and red pine except cut every third row and trees chewed badly by porcupines in small red pine plantation.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be along Q-type to the south. 300 foot buffer from Turner creek removed from harvest area.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.</p> <p><u>Steps:</u></p>									





S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	12041032-Cut	36.5	4110 - Sugar Maple Association	High Density Pole	85	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand to 80 BA. Remove aspen and poorer quality hardwood stems first. Leave all white pine, cedar, hemlock, oak and red pine except cut  <u>Specs:</u> every third row and trees chewed badly by porcupines in small red pine plantation..</p> <p><u>Other</u> Retention will be in no cut species.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									
41	12041041-Cut	111.9	4110 - Sugar Maple Association	High Density Pole	85	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand to 80 BA. Remove aspen and poorer quality hardwood stems first. Leave all red and white pine, cedar, hemlock and oak.  <u>Specs:</u></p> <p><u>Other</u> Retention will be in no cut species.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									
42	12041042-Cut	45.0	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood with a 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and  <u>Specs:</u> white pine, cedar, hemlock and oak.</p> <p><u>Other</u> Retention will be along L-types on the east and west.  <u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.  <u>Steps:</u></p>									
46	12041046-Cut	73.1	4130 - Aspen	High Density Pole	85	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white  <u>Specs:</u> pine, cedar, hemlock and oak.</p> <p><u>Other</u> Retention will be along Q-type to the south.  <u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.  <u>Steps:</u></p>									
54	12041054- Cut_small	11.8	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2' DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white  <u>Specs:</u> pine, cedar, hemlock and oak.</p> <p><u>Other</u> Retention will be along E-type to the south. Buffer for stream will be added.  <u>Comments:</u></p> <p><u>Next</u> Regen survey per work constructions.  <u>Steps:</u></p>									
55	12041055-Cut	4.9	42110 - Planted Red Pine	High Density Pole	49	Harvest	Group Selection	42110 - Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" or more. Cut all spruce and balsam with a stump diameter of 6" or more. No red pine will be cut.  <u>Specs:</u></p> <p><u>Other</u> Retention will be along Q-type to the north.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
64	12041064-Cut	8.5	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white <u>Specs:</u> pine, cedar, hemlock and oak.									
<u>Other</u> Retention will be along E-type to the west. 300 foot buffer for river has been removed from harvest area.. <u>Comments:</u>									
<u>Next</u> Regen survey per work constructions. <u>Steps:</u>									
71	12041071-Cut	4.6	4134 - Aspen, Spruce/Fir	High Density Pole	85	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white <u>Specs:</u> pine, cedar, hemlock and oak.									
<u>Other</u> Retention will be along Q-type to the north. <u>Comments:</u>									
<u>Next</u> Regen survey per work constructions. <u>Steps:</u>									
72	12041072-Cut	53.6	6122 - Black Spruce	High Density Pole	85	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all mixed softwood, except cedar and hemlock, that have a stump diameter of 6" or <u>Specs:</u> more.									
<u>Other</u> 300 foot buffer for river has been removed from harvest area. Retention will be this buffer. <u>Comments:</u>									
<u>Next</u> Scarify stand after harvest. Regen survey per work constructions. <u>Steps:</u> Trench and hand plant black spruce if natural regen isn't at acceptable levels.									
76	12041076-Cut	16.1	4130 - Aspen	High Density Pole	84	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or more. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all red and white <u>Specs:</u> pine, cedar, hemlock and oak.									
<u>Other</u> 300 foot buffer from river has been removed from harvest area. Retention will be this buffer.. <u>Comments:</u>									
<u>Next</u> Regen survey per work constructions. <u>Steps:</u>									
<b>Total Treatment Acreage Proposed: 629.6</b>									

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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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	Crystal Falls Mgt. Unit			5 – Forested Stands		Compartment: 041 Year of Entry: 2013
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42340 - Upland Spruce/Fir	High Density Pole	16.4	85	81-110	
2	4130 - Aspen	High Density Sapling	68.9	16		
3	6122 - Black Spruce	Medium Density Pole	20.3	85	51-80	
4	4130 - Aspen	High Density Pole	68.2	50	81-110	
5	4110 - Sugar Maple Association	High Density Pole	25.5	85	81-110	
6	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	24.7	85	51-80	
7	42110 - Planted Red Pine	High Density Pole	11.0	49	81-110	
8	6122 - Black Spruce	Medium Density Pole	23.2	85	1-50	
9	6122 - Black Spruce	High Density Pole	13.0	85	81-110	
10	4130 - Aspen	High Density Sapling	69.1	18		
11	4130 - Aspen	High Density Pole	19.2	37	81-110	
12	4319 - Mixed Upland Forest	High Density Pole	68.2	85	51-80	
13	4130 - Aspen	High Density Pole	6.8	37	81-110	
14	6122 - Black Spruce	High Density Pole	30.8	85	51-80	
15	4130 - Aspen	High Density Pole	68.7	37	81-110	
17	42320 - Upland Spruce	High Density Pole	9.1	85	81-110	
18	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	64.9	85	1-50	
19	4130 - Aspen	High Density Sapling	8.6	5		



S t a n d	Crystal Falls Mgt. Unit			5 – Forested Stands		General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	
20	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	37.1	85	51-80	
21	42110 - Planted Red Pine	High Density Pole	9.7	49	51-80	
22	4130 - Aspen	High Density Pole	10.5	37	81-110	
23	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	12.2	49	51-80	
25	4134 - Aspen, Spruce/Fir	High Density Pole	14.4	85	81-110	
26	42110 - Planted Red Pine	High Density Pole	19.3	49	81-110	
27	4130 - Aspen	High Density Pole	62.3	37	51-80	
29	4130 - Aspen	High Density Sapling	19.9	5		
30	4130 - Aspen	High Density Sapling	61.6	7		
31	4134 - Aspen, Spruce/Fir	High Density Pole	142.5	85	81-110	
32	4110 - Sugar Maple Association	High Density Pole	36.5	85	111-140	
33	42110 - Planted Red Pine	High Density Pole	34.9	49	51-80	
34	4130 - Aspen	High Density Pole	229.9	37	81-110	
35	4133 - Aspen, Mixed Pine	High Density Sapling	6.5	5		
36	6122 - Black Spruce	Medium Density Pole	59.0	85	51-80	
38	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	116.9	85	1-50	
39	4130 - Aspen	High Density Sapling	10.8	5	1-50	
41	4110 - Sugar Maple Association	High Density Pole	111.9	85	111-140	

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## Crystal Falls Mgt. Unit

## 5 – Forested Stands

Compartment: 041  
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4134 - Aspen, Spruce/Fir	High Density Pole	45.0	85	81-110	
42340 - Upland Spruce/Fir	Medium Density Pole	161.9	85	51-80	
4130 - Aspen	High Density Pole	286.6	37	81-110	
4130 - Aspen	High Density Pole	73.1	85	81-110	
6139 - Mixed Lowland Forest	Medium Density Pole	61.2	85	51-80	
4130 - Aspen	High Density Sapling	36.6	18		
4110 - Sugar Maple Association	High Density Pole	68.9	85	81-110	
4130 - Aspen	High Density Sapling	3.3	18		
4130 - Aspen	High Density Pole	92.6	26	51-80	
6115 - Lowland Ash	High Density Pole	10.2	85	81-110	
6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	483.9	85	51-80	
4134 - Aspen, Spruce/Fir	High Density Pole	21.8	85	81-110	
42110 - Planted Red Pine	High Density Pole	4.9	49	81-110	
42110 - Planted Red Pine	High Density Pole	11.9	49	81-110	
6120 - Lowland Cedar	High Density Log	5.8	85	81-110	
6111 - Lowland Balsam Poplar	High Density Pole	10.3	85	81-110	
42110 - Planted Red Pine	High Density Pole	4.6	49	81-110	
6115 - Lowland Ash	High Density Pole	9.6	85	81-110	

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## Crystal Falls Mgt. Unit

## 5 – Forested Stands

Compartment: 041  
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	4130 - Aspen	High Density Sapling	17.5	26		
64	4134 - Aspen, Spruce/Fir	High Density Pole	11.5	85	81-110	
65	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	120.2	85	1-50	
67	6120 - Lowland Cedar	High Density Log	5.6	85	111-140	
68	6112 - Lowland Aspen	Medium Density Pole	17.6	85	1-50	
69	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	13.9	85	51-80	
70	6111 - Lowland Balsam Poplar	Medium Density Pole	6.4	85	1-50	
71	4134 - Aspen, Spruce/Fir	High Density Pole	4.6	85	81-110	
72	6122 - Black Spruce	High Density Pole	58.6	85	51-80	
73	4130 - Aspen	High Density Pole	9.7	36	51-80	
74	4130 - Aspen	High Density Sapling	6.8	26		
76	4130 - Aspen	High Density Pole	18.9	84	81-110	
77	6111 - Lowland Balsam Poplar	Medium Density Pole	8.5	85	51-80	





Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
16	622 - Lowland Shrub	31.4	N/A	Unspecified	
24	622 - Lowland Shrub	3.4	N/A	Unspecified	
28	622 - Lowland Shrub	54.2	N/A	Unspecified	
37	320 - Upland Shrub	11.5	N/A	Unspecified	
40	320 - Upland Shrub	4.6	N/A	Unspecified	
44	622 - Lowland Shrub	5.9	N/A	Unspecified	
57	320 - Upland Shrub	3.5	N/A	Unspecified	
61	122 - Road/Parking Lot	10.9	N/A	Unspecified	
66	320 - Upland Shrub	9.0	N/A	Unspecified	
75	320 - Upland Shrub	25.7	N/A	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.