



**Crystal Falls Forest Management Unit
Compartment Review Presentation
Compartment #99 Entry Year: 2014
Compartment Acreage: 1176 County: Dickinson**

Revision Date: June 9, 2012

Stand Examiner: Cynthia Cooper

Legal Description: T40N, R29W, Sections 8 & 17

RMU (if applicable):

Management Goals: Maintain and improve northern hardwoods and aspen this year of entry.

Soil and Topography: The northern portion of this compartment is composed mostly of mucky lowland. The remainder is flat to slightly hilly with sandy loam soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Both sections are almost entirely State lands used for timber production. Sections north and south of the compartment are mostly private ownerships. Sections to the west and east are State.

Unique, Natural Features: Siebert's Creek, Benton Lake.

Archeological, Historical, and Cultural Features: None

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: Siebert's Creek, Benton Lake.

Wildlife Habitat Considerations: This compartment is directly adjacent to the Rock Lake Deeryard Restoration Project Area. Management emphasis in this area is for the enhancement of upland and lowland conifer types and stand components. This compartment has significant conifer components in most stands that benefit a host of wildlife species. The effects of the current spruce budworm outbreak will result in a significant reduction in the conifer covertype in this compartment.

Mineral Resource and Development Concerns and/or Restrictions: Compartment 99: Sections 8 and 17, T40N-R29W, Dickinson County

Surface sediments consist of thin to discontinuous glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Precambrian Archean granite/gneiss outcrops beneath the glacial

drift. There is not a current economic use for these rocks, although the granite/gneiss may have dimension stone potential. Abandoned iron mines are located approximately three miles to the south. This compartment was previously leased for metallic exploration and potential may still exist. A gravel pit is located two miles to the west and there may be some potential. There is no economic oil and gas production in the UP

Vehicle Access: Good

Survey Needs: Corners will be needed on the east side of section 17.

Recreational Facilities and Opportunities: ORV trail in section 8.

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**

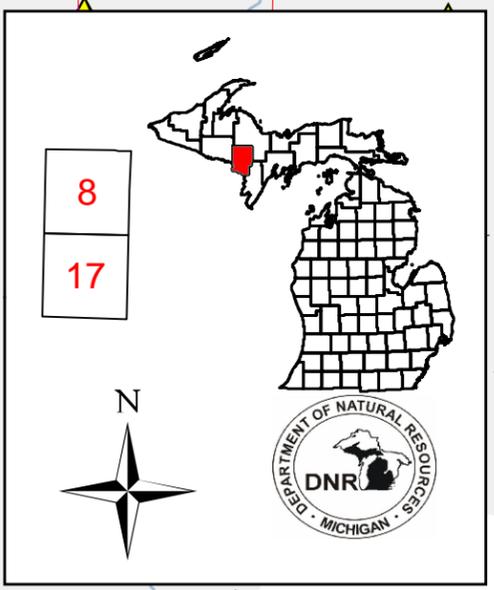
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand boundaries, cover types, and numbers**
 - ◆ **Proposed treatments**
 - ◆ **Details on the road access system**

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Cover Type & Treatment Map

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

Compartment: 099
 T40N R29W Sec. 8, 17
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2014
 Acres: 1,177 GIS Calculated
 Examiner: Cynthia Cooper
 Map Revised: 07/13/2012
 Map Phase: Pre-Review



Legend

- Miris Corners
- Remonumented Section Corners
- Corners
- Pipe
- Power
- 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
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)

Forest Stands

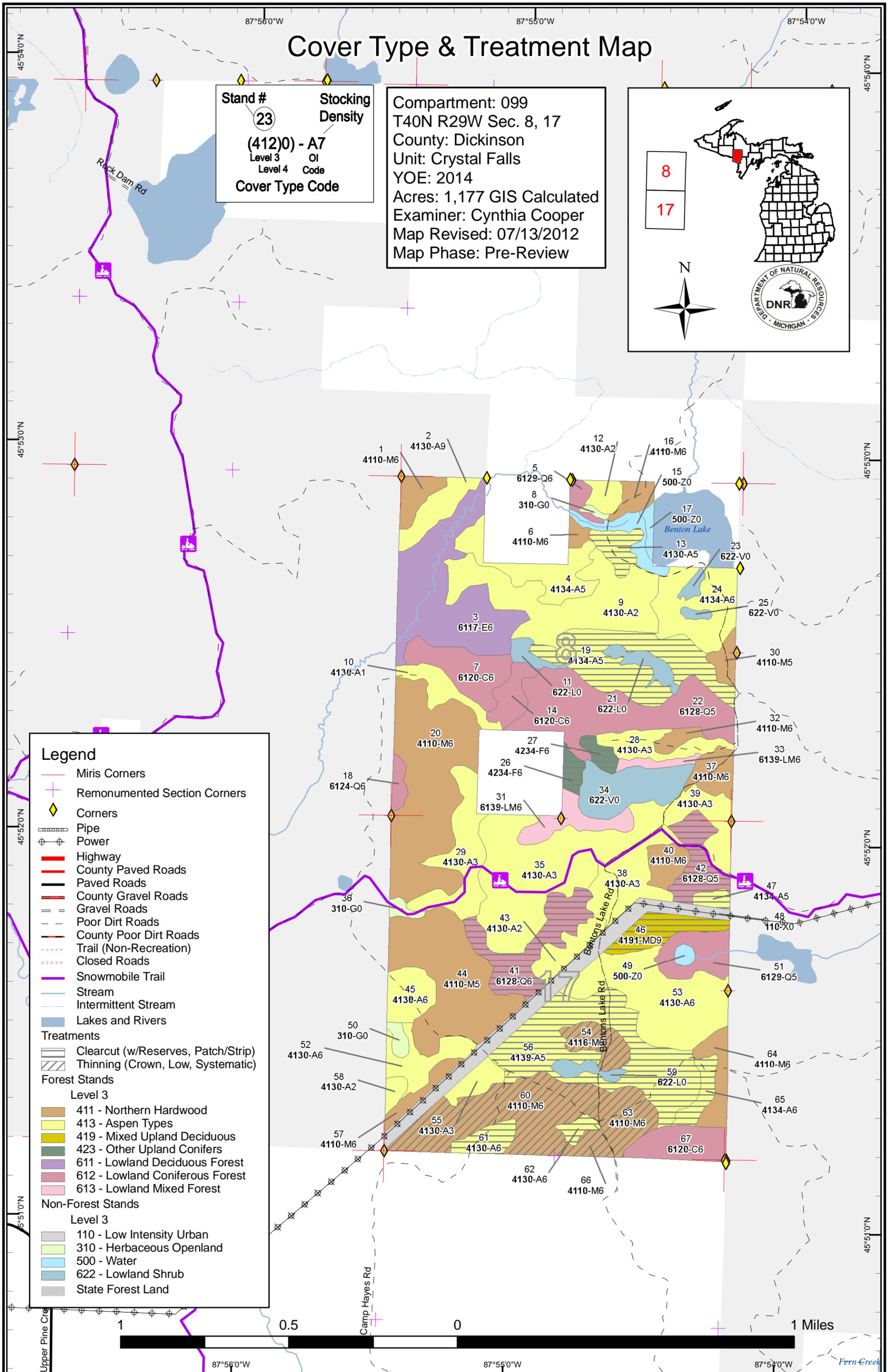
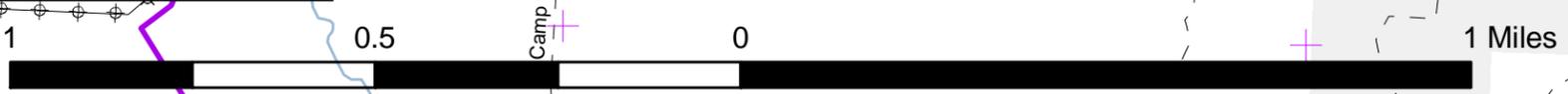
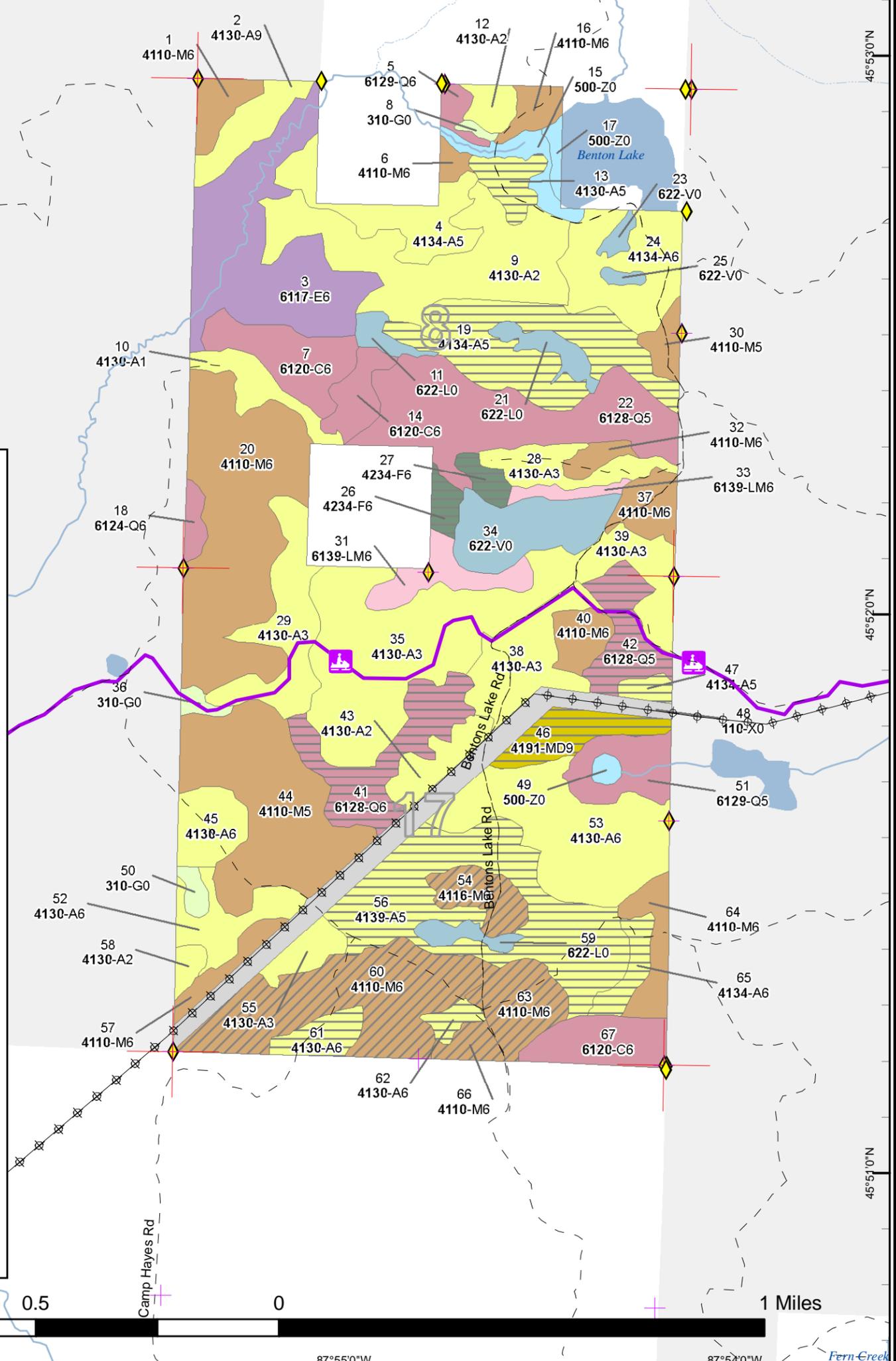
Level 3

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

Non-Forest Stands

Level 3

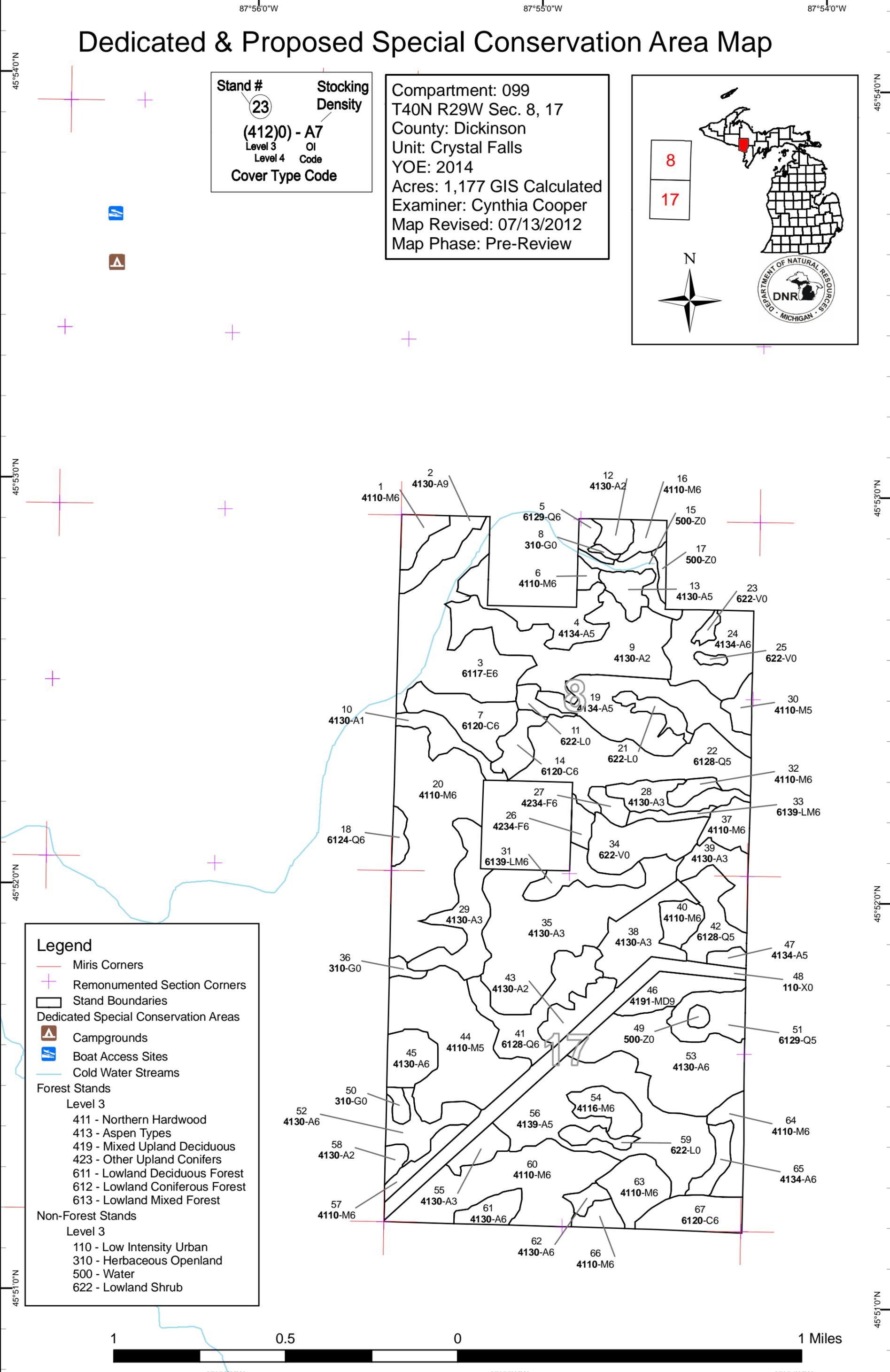
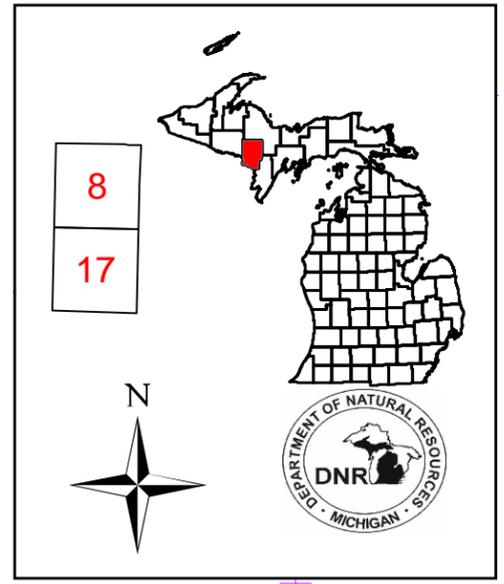
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- State Forest Land



Dedicated & Proposed Special Conservation Area Map

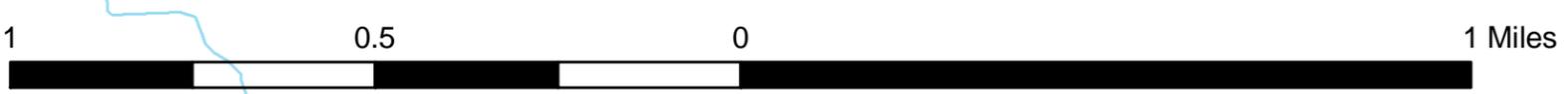
Stand #
 23
 (412)0 - A7
 Level 3 OI
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Compartment: 099
 T40N R29W Sec. 8, 17
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2014
 Acres: 1,177 GIS Calculated
 Examiner: Cynthia Cooper
 Map Revised: 07/13/2012
 Map Phase: Pre-Review



Legend

- Miris Corners
- ⊕ Remonumented Section Corners
- ▭ Stand Boundaries
- Dedicated Special Conservation Areas
- ▲ Campgrounds
- Ⓡ Boat Access Sites
- Cold Water Streams
- Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 423 - Other Upland Conifers
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands
 - Level 3
 - 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub



87°56'0"W 87°55'0"W 87°54'0"W

45°54'0"N
45°53'0"N
45°52'0"N
45°51'0"N

45°54'0"N
45°53'0"N
45°52'0"N
45°51'0"N

Table 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneten Age
Aspen	65	129	41	118	0	0	0	173	0	0	0	0	0	0	526
Bog	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Cedar	0	0	0	0	0	0	0	0	0	47	0	0	0	0	47
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	4	0	0	0	0	120	0	0	0	0	123
Lowland Deciduous	0	0	0	0	0	0	0	0	60	0	0	0	0	0	60
Lowland Mixed Forest	0	0	0	0	0	0	16	0	0	0	0	0	0	0	16
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Northern Hardwood	0	0	0	0	0	0	0	0	34	250	0	0	0	0	283
Upland Spruce/Fir	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Urban	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Water	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Total	162	129	41	118	4	0	25	187	94	416	0	0	0	0	1177



Table 2 – Proposed Treatment Summaries

Crystal Falls Mgt. Unit
Year of Entry 2014

Compartment 099
Total Compartment Acres: 1177

Acres by Treatment Type

Commercial Harvest - 294	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

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	140	0	0	0	0	0		140
Lowland Conifers	44	0	0	0	0	0		44
Mixed Upland Deciduous	14	0	0	0	0	0		14
Northern Hardwood	0	0	0	0	88	0		88
Upland Spruce/Fir	9	0	0	0	0	0		9
Total	207	0	0	0	88	0		294



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13	12099013-Cut	8.5	4130 - Aspen	Medium Density Pole	77		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut all species down to a 2" dbh except cut no cedar or hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Other</u> Aspen old and falling.</p> <p><u>Comments:</u></p> <p><u>Next</u> regeneration survey.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
19	12099019-Cut	44.1	4134 - Aspen, Spruce/Fir	Medium Density Pole	78		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> clearcut all species down to a 2" dbh retaining spruce and fir 6" and less at stump height. Cut no cedar, pine or hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Other</u> was previously scheduled for cut but wet/unfrozen conditions did not allow for harvest within contract period.</p> <p><u>Comments:</u></p> <p><u>Next</u> regeneration survey.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
26	12099026-Cut	4.3	42340 - Upland Spruce/Fir	High Density Pole	69		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> clearcut all species down to a 2" dbh except retain spruce and fir 6" and less at stump height. Cut no cedar or hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Other</u> this stand along with stand 27 are both small in size and volume and have aa considerable distance to skid to an appropriate landing side. A</p> <p><u>Comments:</u> survey will also be needed.</p> <p><u>Next</u> regeneration survey</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
27	12099027-Cut	4.5	42340 - Upland Spruce/Fir	High Density Pole	69		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> clearcut down to a 2"dbh except retan all spruce/fir less that 6" on the stump. Cut no cedar or hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Other</u> this stand is small acreage and low volume and will also require a long skid to an appropriate landing site. A survey will also be required.</p> <p><u>Comments:</u></p> <p><u>Next</u> regeneration survey</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	12099041-Cut	27.5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	98		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Remove all aspen and birch along with conifers greater than 6" on the stump except cut no cedar.										
<u>Specs:</u>										
<u>Other</u> should regenerate to the same type of stand but with more patchy aspen instead of scattered individuals. Compare with stand 42 during										
<u>Comments:</u> regeneration survey.										
<u>Next</u> regeneration survey										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
42	12099042-Cut	16.7	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	98		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> cut all trees down to a 2" dbh except cut conifers greater than 6" at stump height. Cut no cedar.										
<u>Specs:</u>										
<u>Other</u> compare with stand 41 during regeneration surveys.										
<u>Comments:</u>										
<u>Next</u> regeneration survey										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
46	12099046-Cut	14.1	4191 - Mixed Upland Deciduous with Conifer	High Density Log	78		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription:</u> Cut all trees down to a 2" dbh except cut no spruce/fir less than 6" on the stump. Cut no cedar, hemlock, or pine.										
<u>Specs:</u>										
<u>Other</u> Removing poor hardwoods and old aspen and spruce/ fir in stand will allow stand to regenerate to better aspen with some spruce/fir in the										
<u>Comments:</u> understory.										
<u>Next</u> regeneration survey										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
47	12099047-Cut	3.2	4134 - Aspen, Spruce/Fir	Medium Density Pole	77		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription:</u> Cut all trees 2 inches and greater at dbh except cut spruce and fir 6 inches and greater on the stump. Cut no pine, hemlock or cedar.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> regeneration survey										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54	12099054-Cut	11.6	4116 - Mixed N. Hardwood - Aspen	High Density Pole	87	111-140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Thin to a basal area of 70 removing poorer trees and aspen first.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2013

56	12099056-Cut	64.8	4139 - Aspen, Mixed Deciduous	Medium Density Pole	77		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Remove western portion of stand from harvest. Thin eastern portion of stand high to hardwoods. In remainder of stand cut all trees down to a 2 inch dbh except cut no oak, hemlock, cedar or pine if present.

Specs:

Other

See map and pre-review notes in compartment file.

Comments:

Next

regeneration survey

Steps:

Proposed

Start Date: 10/01/2013

60	12099060-Cut	53.9	4110 - Sugar Maple Association	High Density Pole	93	141-170	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Thin to a basal area of 80 leaving all hemlock and cedar if present.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2013

61	12099061-Cut	8.2	4130 - Aspen	High Density Pole	77		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Cut all trees 2 inches and greater at dbh except cut no hemlock and cedar if present.

Specs:

Other

Comments:

Next

regeneration survey

Steps:

Proposed

Start Date: 10/01/2013



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
62	12099062-Cut	3.7	4130 - Aspen	High Density Pole	77		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Cut all trees down to a 2 inch dbh except cut no cedar, pine or hemlock if present.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> regeneration survey										
<u>Proposed Start Date:</u> 10/01/2013										

63	12099063-Cut	16.7	4110 - Sugar Maple Association	High Density Pole	87	141-170	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription:</u> Thin while maintaining diversity. Leave all hemlock and cedar if present.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										

65	12099065-Cut	7.3	4134 - Aspen, Spruce/Fir	High Density Pole	77		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription:</u> cut all trees 2 inches and greater at dbh except cut spruce and fir 6 inches and greater on the stump. Cut no cedar, pine or hemlock if present.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> regeneration survey										
<u>Proposed Start Date:</u> 10/01/2013										

66	12099066-Cut	5.3	4110 - Sugar Maple Association	High Density Pole	87	111-140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription:</u> Thin leaving all hemlock and cedar if present.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										

**Total Treatment
Acreage Proposed: 294.4**

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Error

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

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

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12091001-Cut	31.4	4110 - Sugar Maple Association	High Density Log	87		Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal - Incomplete

Prescription: Mark trees to 80 BA leaving best tree in place according to the Compleat Marker but focusing on White Ash to avoid Emerald Ash borer devastation. Create canopy gaps for regeneration

Other Comments:

Next Steps: Regen check according to certification

Proposed Start Date: 10/01/2013

Total Treatment Acreage Proposed: 31.4



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Pole	7.8	90	81-110	Hilly, birch falling out, aspen mostly on s. boundary.
2	4130 - Aspen	High Density Log	12.0	77		Most of stand slopes into E-type to the south. a portion may be cut next YOE with stand 1 to the north.
3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	60.4	89		Siebert's Creek runs through center. Very low and wet.
4	4134 - Aspen, Spruce/Fir	Medium Density Pole	21.3	79		
5	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.8	97		
6	4110 - Sugar Maple Association	High Density Pole	2.7	93	111-140	Entire stand on rock top.
7	6120 - Lowland Cedar	High Density Pole	20.7	98		Mostly cedar, very wet. old orv trail bridge collapsed.
9	4130 - Aspen	Medium Density	55.8	18		cut in 1994
10	4130 - Aspen	Low Density Sapling	10.7	24		Was a transition zone between M and Q types. Now A2 with occassional M, F
12	4130 - Aspen	Medium Density	5.5	4		
13	4130 - Aspen	Medium Density Pole	8.5	77		OLD AND FALLING
14	6120 - Lowland Cedar	High Density Pole	9.6	98		very wet.
16	4110 - Sugar Maple Association	High Density Pole	5.9	90	81-110	East side of road along lake shore is denser and has most of conifer componant.
18	6124 - Lowland Spruce-Fir	High Density Pole	3.8	40		CUTTABLE BUT SMALL
19	4134 - Aspen, Spruce/Fir	Medium Density Pole	44.1	78		WAS A PART OF OLD SALE (BEAR SWAMP) NOT CUT DUE TO WET CONDITIONS.
20	4110 - Sugar Maple Association	High Density Pole	75.6	97	81-110	CUT IN 2005. MOSTLY ASPEN AND BIRCH REMOVED.
22	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	56.6	98		SMALL CREEK RUNS OUT OF STAND INTO BOG TO SOUTH.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4134 - Aspen, Spruce/Fir	High Density Pole	29.0	31		F MOSTLY ALONG ROAD, SOME WHITE AND RED PINE ALSO IN STAND.
26	42340 - Upland Spruce/Fir	High Density Pole	4.3	69		READY FOR HARVEST BUT SMALL. WILL NEED TO BE SKIDDED 1/4 MILE + TO ACCEPTABLE LANDING AREA. WILL NEED CORNERS ON PVT.
27	42340 - Upland Spruce/Fir	High Density Pole	4.5	69		
28	4130 - Aspen	High Density Sapling	13.6	4		
29	4130 - Aspen	High Density Sapling	26.9	23		
30	4110 - Sugar Maple Association	Medium Density Pole	5.5	97		cut in 2007
31	6139 - Mixed Lowland Forest	High Density Pole	12.8	62		
32	4110 - Sugar Maple Association	High Density Pole	4.2	98	51-80	oak in stand. paper birch dead
33	6139 - Mixed Lowland Forest	High Density Pole	3.7	62		much more Q than A
35	4130 - Aspen	High Density Sapling	72.8	14		residual oak
37	4110 - Sugar Maple Association	High Density Pole	9.8	98	81-110	cut in 2008
38	4130 - Aspen	High Density Sapling	23.1	4		
39	4130 - Aspen	High Density Sapling	15.4	4		
40	4110 - Sugar Maple Association	High Density Pole	8.3	93	81-110	cut in 2007
41	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	27.5	98		Tamarack mostly on west end.
42	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	16.7	98		
43	4130 - Aspen	Medium Density	10.7	31		



Stand	Crystal Falls Mgt. Unit			5 – Forested Stands		Compartment: 099 Year of Entry: 2014
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4110 - Sugar Maple Association	Medium Density Pole	58.3	92	51-80	cut in 2006
45	4130 - Aspen	High Density Pole	12.9	37		
46	4191 - Mixed Upland Deciduous with Conifer	High Density Log	14.1	78		
47	4134 - Aspen, Spruce/Fir	Medium Density Pole	3.2	77		
51	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	15.1	98		creek and pond in stand, tag alder.
52	4130 - Aspen	High Density Pole	14.0	37		
53	4130 - Aspen	High Density Pole	51.7	31		
54	4116 - Mixed N. Hardwood - Aspen	High Density Pole	11.6	87	111-140	much basswood
55	4130 - Aspen	High Density Sapling	7.4	5		
56	4139 - Aspen, Mixed Deciduous	Medium Density Pole	64.8	77		Highly variable in species and density.
57	4110 - Sugar Maple Association	High Density Pole	6.5	93	81-110	
58	4130 - Aspen	Medium Density	3.2	23		
60	4110 - Sugar Maple Association	High Density Pole	53.9	93	141-170	nice poles with some good logs
61	4130 - Aspen	High Density Pole	8.2	77		
62	4130 - Aspen	High Density Pole	3.7	77		
63	4110 - Sugar Maple Association	High Density Pole	16.6	87	141-170	
64	4110 - Sugar Maple Association	High Density Pole	11.0	93	81-110	
65	4134 - Aspen, Spruce/Fir	High Density Pole	7.3	77		

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Crystal Falls Mgt. Unit

5 – Forested Stands

Compartment: 099
Year of Entry: 2014



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	4110 - Sugar Maple Association	High Density Pole	5.3	87	111-140	
67	6120 - Lowland Cedar	High Density Pole	16.9	98		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
8	3102 - Grass	1.1	No	Unspecified	
11	6229 - Mixed lowland shrub	4.3	No	Unspecified	
15	50 - Water	8.2	No	Unspecified	
17	50 - Water	2.5	No	Unspecified	
21	6229 - Mixed lowland shrub	6.7	No	Unspecified	
23	6225 - Bog	2.3	No	Unspecified	
25	6225 - Bog	1.6	No	Unspecified	
34	6225 - Bog	24.3	No	Unspecified	
36	3102 - Grass	2.5	No	Unspecified	
48	11 - Low Intensity Urban	33.7	No	Unspecified	
49	50 - Water	2.0	No	Unspecified	
50	3102 - Grass	2.9	No	Unspecified	
59	6229 - Mixed lowland shrub	5.0	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.