



**Crystal Falls Forest Management Unit
Compartment Review Presentation
Compartment #151 Entry Year: 2013
Compartment Acreage: 880 County: Iron**

Revision Date: 6/2/11

Stand Examiner: Scott Sebero

Legal Description: T43N, R31W, Sec. 7, 17, 18, 20
T43N, R32W, Sec. 12

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 Sarona soils that are excessively drained to well-drained, loamy and sandy soils on ground moraines and end moraines and Cathro soils that are irregular depressions within these moraines that are poorly drained black muck.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Ownership patterns in this compartment consist mostly of State lands and WE Energies with some small private parcels and hunting camps. Lands in and around this compartment are used mainly for hunting and managed for forest products.

Unique, Natural Features: Kelso Creek with a small water falls runs through the NE part of the compartment. The Michigamme River borders the SE part of the compartment.

Archeological, Historical, and Cultural Features: None.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment falls within the Mansfield Cutoff Deeryard. Maintaining and enhancing the upland and lowland component is necessary to perpetuate the value of this yarding complex. Lowland hardwood and conifer stands throughout this compartment provide excellent wildlife habitat and are particularly important to black bear and furbearers.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium sediments over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Hemlock Formation and intrusives subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines are located to the south of the compartment. This compartment was previously leased for metallic exploration and potential may still exist. The Randville Dolomite is quarried four miles to the southeast. The nearest gravel pit is three miles to the southwest. Gravel potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access: The west portion of the compartment is accessed off Kelso Road. The east portion is accessed off Stream Road. The center of the compartment is accessed off Mansfield Cutoff Road through private lands.

Survey Needs: None.

Recreational Facilities and Opportunities:

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**

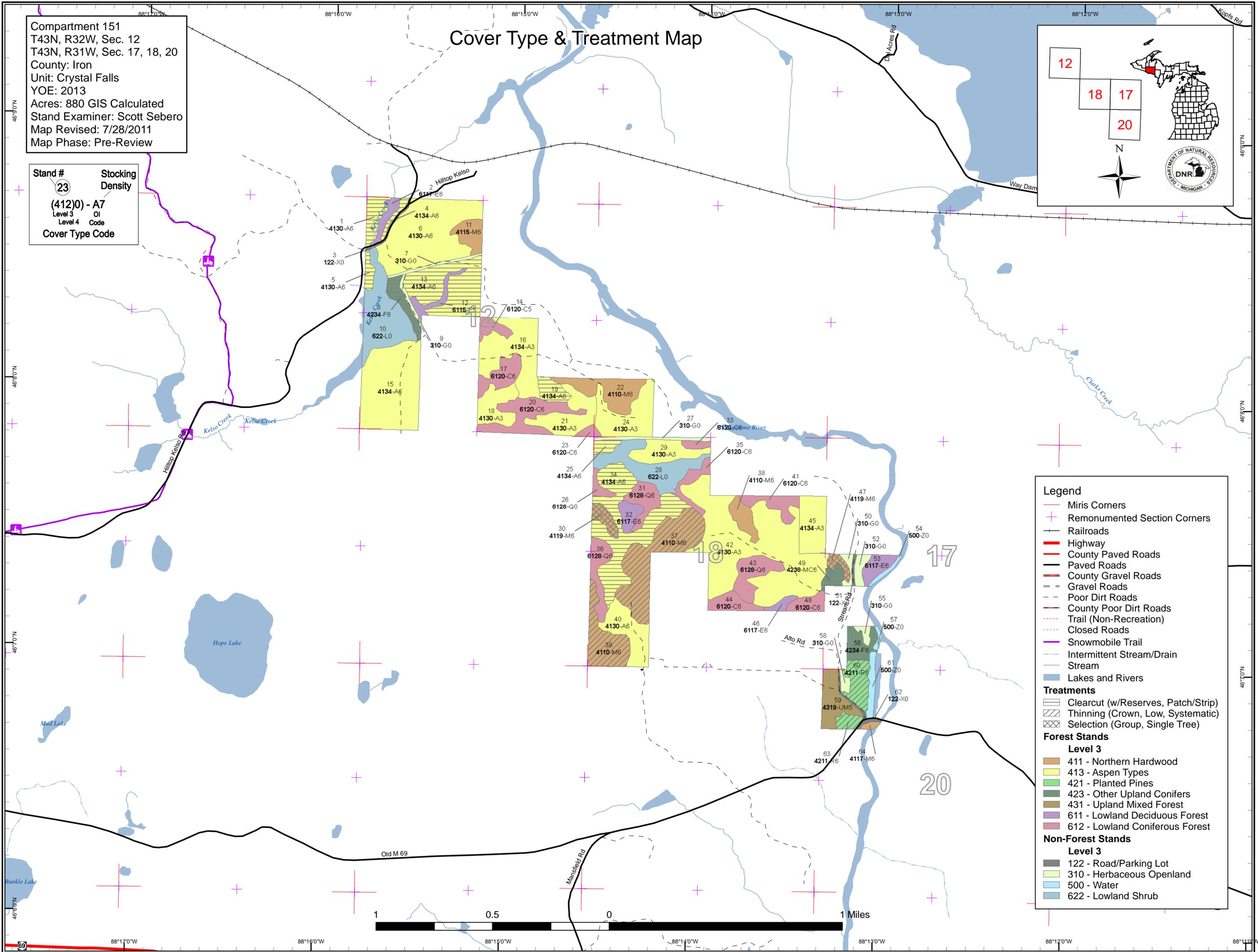
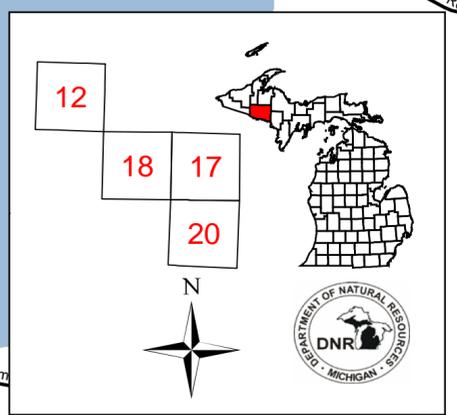
- ◆ **Proposed treatments**
- ◆ **Details on the road access system**



Compartment 151
 T43N, R32W, Sec. 12
 T43N, R31W, Sec. 17, 18, 20
 County: Iron
 Unit: Crystal Falls
 YOE: 2013
 Acres: 880 GIS Calculated
 Stand Examiner: Scott Sebero
 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

Cover Type & Treatment Map



Legend

- Miris Corners
- Remonumented Section Corners
- Railroads
- 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)
- 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

Non-Forest Stands

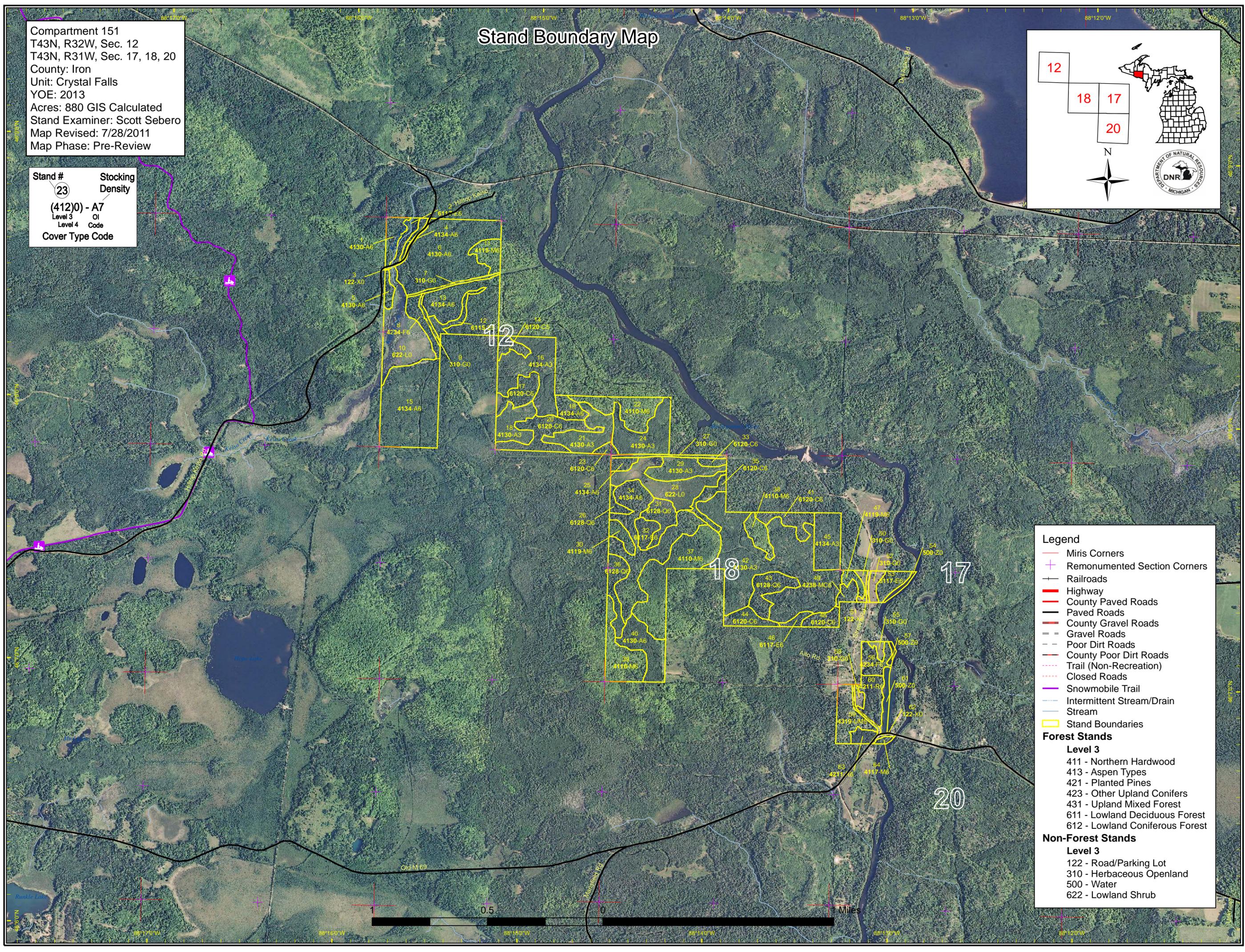
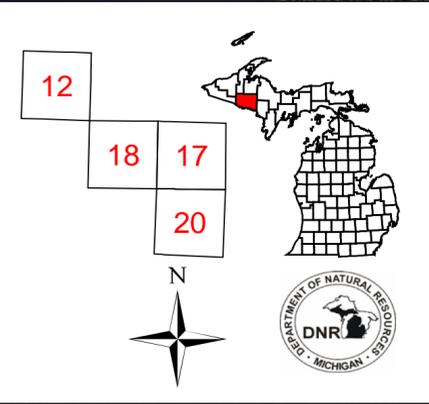
Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

Stand Boundary Map

Compartment 151
 T43N, R32W, Sec. 12
 T43N, R31W, Sec. 17, 18, 20
 County: Iron
 Unit: Crystal Falls
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 Stand Examiner: Scott Sebero
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 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
- Railroads
- 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
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Non-Forest Stands

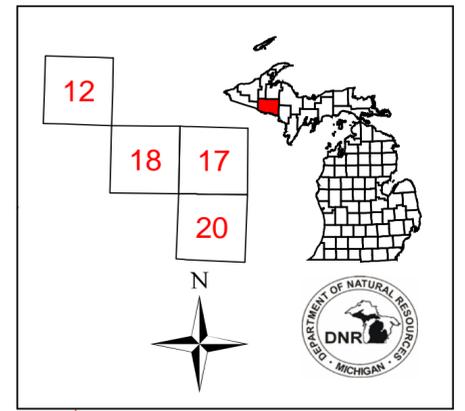
Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

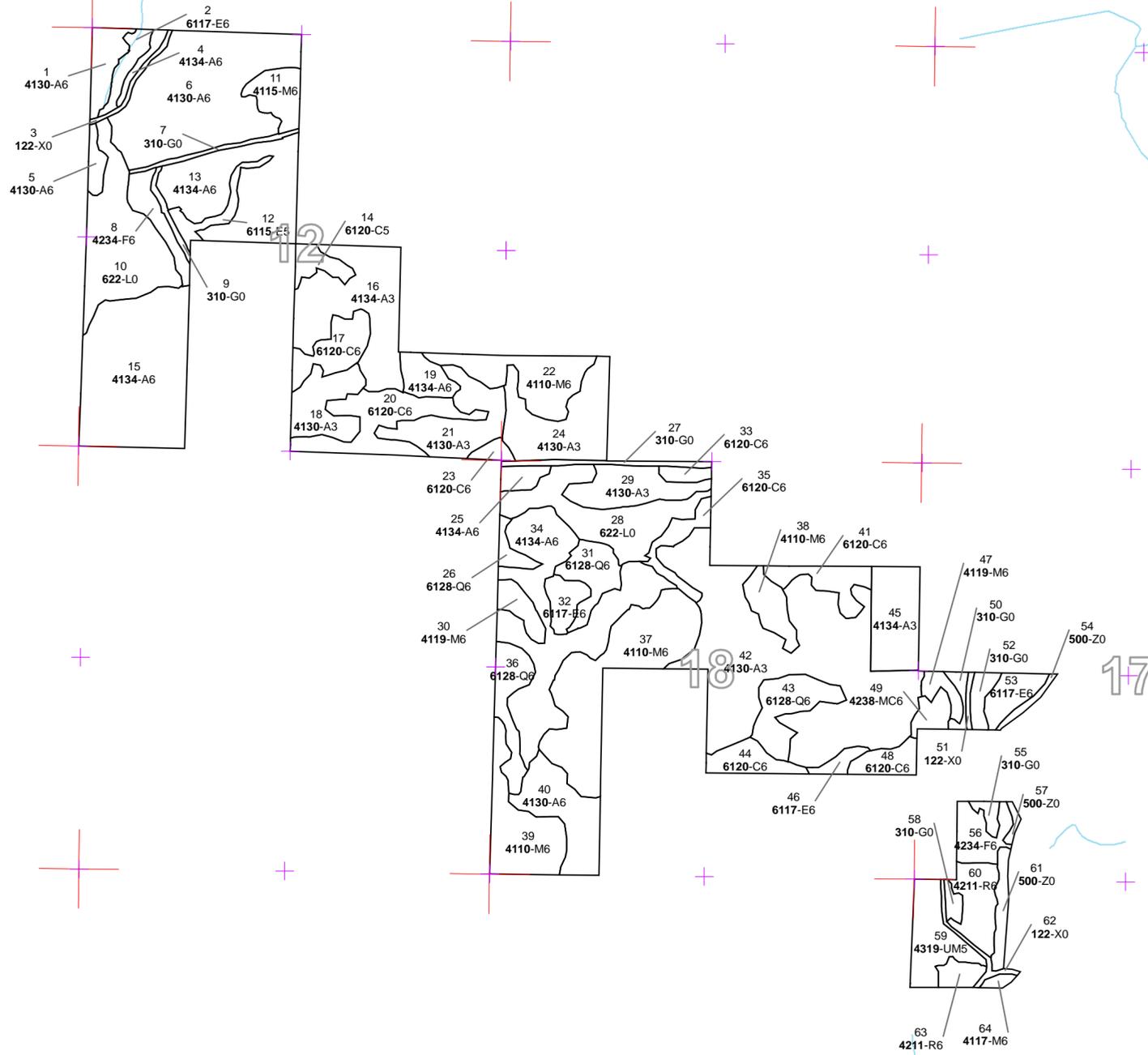


Dedicated & Proposed Special Conservation Area Map

Compartment 151
 T43N, R32W, Sec. 12
 T43N, R31W, Sec. 17, 18, 20
 County: Iron
 Unit: Crystal Falls
 YOE: 2013
 Acres: 880 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
 - Stand Boundaries
 - Cold Water Streams
 - Deer Wintering Areas
- Dedicated Special Conservation Areas**
- Cold Water Streams
 - Deer Wintering Areas
- 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
- Non-Forest Stands**
- Level 3**
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub

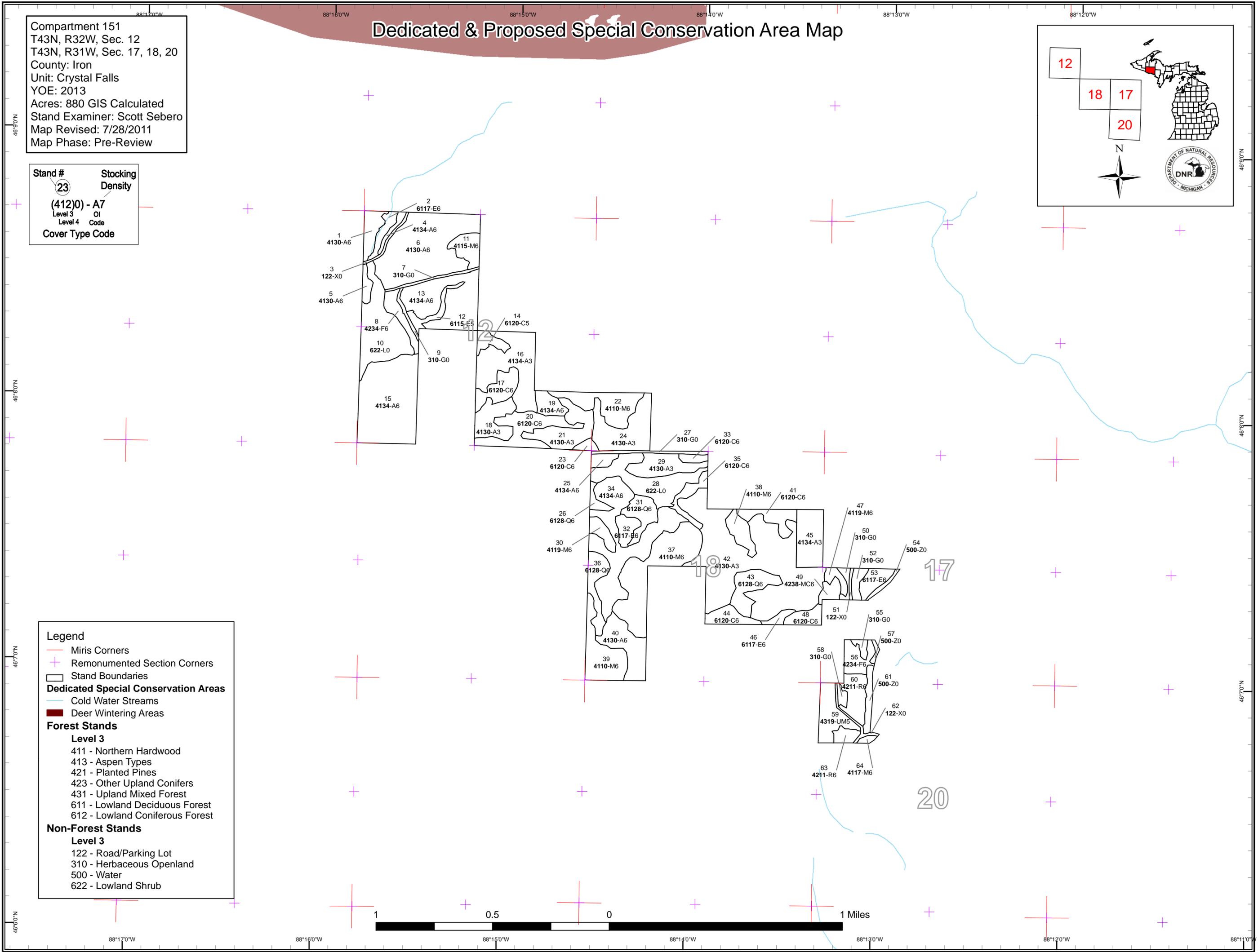


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Unretn Age
Aspen	0	34	180	76	81	0	0	0	60	53	0	0	0	0	0	484
Cedar	0	0	0	0	0	0	0	0	47	26	0	0	0	0	0	73
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	39
Lowland Deciduous	0	0	0	0	0	0	0	0	16	10	0	0	0	0	0	27
Lowland Shrub	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Northern Hardwood	0	0	0	0	0	1	0	0	9	102	0	0	0	0	0	112
Red Pine	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	16
Upland Conifers	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Upland Spruce/Fir	0	0	0	0	0	0	0	9	0	8	0	0	0	0	0	17
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	94	34	180	76	81	17	0	9	190	198	0	0	0	0	0	880



Table 2 – Proposed Treatment Summaries

Crystal Falls Mgt. Unit
Year of Entry 2013

Compartment 151
Total Compartment Acres: 880.1

Acres by Treatment Type

Commercial Harvest - 215	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	113	0	0	0	0	0		113
Northern Hardwood	0	9	0	0	65	0		74
Red Pine	0	0	0	0	16	0		16
Upland Conifers	4	0	0	0	0	0		4
Upland Spruce/Fir	8	0	0	0	0	0		8
Total	125	9	0	0	81	0		215

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13 12151013-Cut	39.0	4134 - Aspen, Spruce/Fir	High Density Pole	84	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription: Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce and balsam with a stump diameter of six inches or more. Leave all red pine, white pine, cedar, hemlock and oak. Retention will be along ash drainage through the center and sw part of the stand.

Other Comments:

Next Steps: Regen survey per work constructions.

19 12151019-Cut	6.8	4134 - Aspen, Spruce/Fir	High Density Pole	79	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription: Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce and balsam with a stump diameter of six inch or more. Leave all red pine, white pine, cedar, hemlock and oak. Retention will be along Q-type to the south and on steep rock to the north.

Other Comments:

Next Steps: Regen survey per work constructions.

25 12151025-Cut	3.7	4134 - Aspen, Spruce/Fir	High Density Pole	79	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription: Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce and balsam with a stump diameter of six inches or more. Leave all red pine, white pine, cedar, hemlock and oak. Retention will be along the Q-type to the south.

Other Comments:

Next Steps: Regen survey per work constructions.

30 12151030-Cut	5.5	4119 - Mixed Northern Hardwoods	High Density Pole	79	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription: Cut all aspen, spruce and balsam with a stump diameter of 6 inches or more. Hardwood will be marked to remove trees within all size classes. Specs: BA will be lowered to 80 and regen gaps will be cleaned out where opportunity permits. No red or white pine, cedar, hemlock or oak will be cut.

Other Comments: Retention in no cut species.

Next Steps: Regen survey per work constructions.

34 12151034-Cut	49.4	4134 - Aspen, Spruce/Fir	High Density Pole	79	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription: Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce and balsam with a stump diameter of six inches or more. Leave all red pine, white pine, cedar, helock and oak. Retention will be along Q-types to the north and west.

Other Comments:

Next Steps: Regen survey per work constructions.



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37	12151037-Cut	43.6	4110 - Sugar Maple Association	High Density Pole	84	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand to BA of 80. Remove aspen and poor quality hardwood stems first. Leave all red and white pine, cedar, hemlock and oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be in no cut species.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
39	12151039-Cut	21.3	4110 - Sugar Maple Association	High Density Pole	84	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand to 80 BA. Remove aspen and poor quality hardwood stems first. Leave all red and white pine, cedar, hemlock and oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be in no cut trees.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
47	12151047-Cut	3.7	4119 - Mixed Northern Hardwoods	High Density Pole	79	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen, spruce and balsam with a stump diameter of six inches or more. Hardwood will be marked to remove trees within all size classes.</p> <p><u>Specs:</u> BA will be reduced to 80 with regen gaps cleaned out when opportunity exists. Leave all red and white pine, cedar, hemlock and oak.</p> <p><u>Other</u> Retention will be in no cut species.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Regen survey per work constructions.</p>									
49	12151049-Cut	4.4	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	79	Harvest	Clearcut with Reserves	42380 - Non Pine Upland Conifer, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce and balsam with a stump diameter of six inches or more. Leave all red pine, white pine, cedar, hemlock and oak. Retention will be tree species left.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> regen survey per work constructions.</p>									
60	12151060-Cut	11.7	42110 - Planted Red Pine	High Density Pole	45	Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut every third row of red pine. Cut all merchantable aspen, spruce, balsam and mixed hardwood. Leave all oak. 100 foot buffer along pond to east.</p> <p><u>Specs:</u></p> <p><u>Other</u> Oak and buffer will serve as retention.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
63	12151063-Cut	4.0	42110 - Planted Red Pine	High Density Pole	45	Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Cut every third row of red pine. Cut all merchantable aspen, spruce, balsam and mixed hardwood. Leave all oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Retention will be oak.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									

**Table 3 -- Treatments Prescribed
with No Limiting Factor**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		193.2						



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	12151001-Cut	8.1	4130 - Aspen	High Density Pole	84	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Cut all aspen and mixed hardwood 2" and greater. 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>Other Comment:</u> 300 foot buffer on Kelso creek. Retention is buffer.</p> <p><u>Next Steps:</u> regen survey per work construction.</p> <p><u>Limiting Factor and No Treatment Reason</u> 3H: Influence zones 300 foot buffer on Kelso Creek.</p>									
4	12151004-Cut	2.5	4134 - Aspen, Spruce/Fir	High Density Pole	84	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Cut all aspen and mixed hardwood 2" and greater. Cut all spruce and balsam with a stump diameter of 6" or more. Leave all white pine, cedar, hemlock and oak. Leave all red pine except thin to a BA of 50 in small red pine stand along north side of stand.</p> <p><u>Other Comment:</u> 300 foot buffer on Kelso Creek. Retention is buffer.</p> <p><u>Next Steps:</u> Regen survey per work constructions.</p> <p><u>Limiting Factor and No Treatment Reason</u> 3H: Influence zones 300 foot buffer on Kelso Creek.</p>									
5	12151005-Cut	3.4	4130 - Aspen	High Density Pole	84	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Cut all aspen and mixed hardwood 2" and greater. 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>Other Comment:</u> 100 foot buffer along Kelso Pond. Retention will be buffer.</p> <p><u>Next Steps:</u> Regen survey per work constructions.</p> <p><u>Limiting Factor and No Treatment Reason</u> 3H: Influence zones 100 foot buffer along Kelso Pond.</p>									
8	12151008-Cut	7.5	42340 - Upland Spruce/Fir	High Density Pole	84	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Cut all aspen and mixed hardwoods 2" and greater. 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>Other Comment:</u> 100 foot buffer along Kelso pond. Retention is the buffer.</p> <p><u>Next Steps:</u> Regen survey per work constructions.</p> <p><u>Limiting Factor and No Treatment Reason</u> 3H: Influence zones North end buffer for threatened wildlife. 100 foot buffer on Kelso pond. Wildlife travel corridor.</p>									
Total Treatment Acreage Proposed:		21.4							

**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:

**Total Treatment
Acreage Proposed: 6.0**



Stand	Crystal Falls Mgt. Unit			5 – Forested Stands		Compartment: 151 Year of Entry: 2013
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Pole	8.1	84	81-110	
2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.0	84	51-80	
4	4134 - Aspen, Spruce/Fir	High Density Pole	2.5	84	81-110	
5	4130 - Aspen	High Density Pole	3.4	84	81-110	
6	4130 - Aspen	High Density Pole	61.8	35	51-80	
8	42340 - Upland Spruce/Fir	High Density Pole	7.5	84	81-110	
11	4115 - Y.Birch, Hemlock NH	High Density Pole	9.0	84	81-110	
12	6115 - Lowland Ash	Medium Density Pole	5.5	84	51-80	
13	4134 - Aspen, Spruce/Fir	High Density Pole	39.0	84	81-110	
14	6120 - Lowland Cedar	Medium Density Pole	5.1	84	51-80	
15	4134 - Aspen, Spruce/Fir	High Density Pole	57.5	23	51-80	
16	4134 - Aspen, Spruce/Fir	High Density Sapling	35.5	16		
17	6120 - Lowland Cedar	High Density Pole	11.2	79	81-110	
18	4130 - Aspen	High Density Sapling	14.1	7		
19	4134 - Aspen, Spruce/Fir	High Density Pole	6.8	79	81-110	
20	6120 - Lowland Cedar	High Density Pole	20.7	84	81-110	
21	4130 - Aspen	High Density Sapling	19.7	7		
22	4110 - Sugar Maple Association	High Density Pole	19.6	84	81-110	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6120 - Lowland Cedar	High Density Pole	2.4	79	51-80	
24	4130 - Aspen	High Density Sapling	25.2	15		
25	4134 - Aspen, Spruce/Fir	High Density Pole	3.7	79	81-110	
26	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	3.2	79	81-110	
29	4130 - Aspen	High Density Sapling	14.8	14		
30	4119 - Mixed Northern Hardwoods	High Density Pole	5.5	79	111-140	
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	10.6	79	51-80	
32	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.1	79	51-80	
33	6120 - Lowland Cedar	High Density Pole	2.7	79	81-110	
34	4134 - Aspen, Spruce/Fir	High Density Pole	49.4	79	81-110	
35	6120 - Lowland Cedar	High Density Pole	6.9	79	81-110	
36	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	11.2	79	81-110	
37	4110 - Sugar Maple Association	High Density Pole	43.6	84	111-140	
38	4110 - Sugar Maple Association	High Density Pole	8.2	84	51-80	
39	4110 - Sugar Maple Association	High Density Pole	21.3	84	111-140	
40	4130 - Aspen	High Density Pole	19.6	33	51-80	
41	6120 - Lowland Cedar	High Density Pole	9.3	79	81-110	
42	4130 - Aspen	High Density Sapling	104.7	14		

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Crystal Falls Mgt. Unit

5 – Forested Stands

Compartment: 151
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	14.1	79	81-110	
44	6120 - Lowland Cedar	High Density Pole	7.9	79	111-140	
45	4134 - Aspen, Spruce/Fir	High Density Sapling	18.3	29	1-50	
46	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	2.8	79	51-80	
47	4119 - Mixed Northern Hardwoods	High Density Pole	3.7	79	111-140	
48	6120 - Lowland Cedar	High Density Pole	6.4	79	81-110	
49	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	4.4	79	81-110	
53	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	7.2	79	51-80	
56	42340 - Upland Spruce/Fir	High Density Pole	9.0	61	51-80	
59	4319 - Mixed Upland Forest	Medium Density Pole	14.8	79	51-80	
60	42110 - Planted Red Pine	High Density Pole	11.7	45	171-200	
63	42110 - Planted Red Pine	High Density Pole	4.0	45	141-170	
64	4117 - Mixed N. Hardwood - Pine	High Density Pole	1.2	45	51-80	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	122 - Road/Parking Lot	1.9	No	Unspecified	
7	3102 - Grass	2.8	No	Low (NonForested)	
9	3102 - Grass	2.0	No	Low (NonForested)	
10	6229 - Mixed lowland shrub	34.4	No	Unspecified	
27	3102 - Grass	3.9	No	Unspecified	
28	6229 - Mixed lowland shrub	27.5	No	Unspecified	
50	3102 - Grass	2.2	No	Unspecified	
51	122 - Road/Parking Lot	1.0	No	Unspecified	
52	3102 - Grass	3.8	No	Unspecified	
54	50 - Water	1.8	No	Unspecified	
55	3102 - Grass	2.1	N/A	Unspecified	
57	50 - Water	1.1	No	Unspecified	
58	3102 - Grass	2.0	No	Unspecified	
61	50 - Water	5.2	No	Unspecified	
62	122 - Road/Parking Lot	2.5	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.