



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12096

Entry Year 2015

Acreage: 1,150

County Dickinson

Management Area: Cassidy Creek

Revision Date: 2013-07-15

Stand Examiner:

Legal Description:

T40N,R29W, sections 10 and 15

Identified Planning Goals:

The goal for this compartment is to continue to put growth on the best hardwoods while promoting values for a variety of wildlife within the hardwoods. The balance of the compartment will be managed to promote diversity and recreational values. Age class diversity in aspen is always a goal in the compartments.

Soil and topography:

The soils and topography are diverse in this compartment. Underlain by an ancient mountain range, the ground is rugged and rocky with perched water tables throughout the area.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment is contiguous but has a few scattered adjacent private 80s on the north and south boundaries of the compartment.

Unique Natural Features:

There are a few small lakes in the compartment.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The snowmobile trail runs through this compartment and should be considered for harvest operations and aesthetics.

Watershed and Fisheries Considerations:

Cassidy Creek runs through the compartment and is a trout stream.

Wildlife Habitat Considerations:

This one of the few state land compartments that has aspen in a mature forest condition. The upland portion was historically dominated by Hemlock/White Pine forest. There is still an important component of these types on the landscape in this compartment. Nearly half of the compartment is now aspen. Mixed lowland conifer and cedar stands and associated transition zones provide valuable winter cover for deer and bobcat and travel corridors and summer habitat for bear and furbearers. These stands provide the mature forest habitat conditions for those species that rely on them. Riparian zones provide valuable habitat such as cavity and nest trees, as well as, escape and travel cover.

Mineral Resource and Development Concerns and/or Restrictions

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 has building 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 southwest and there may be some potential. There is no economic oil and gas production in the UP. 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 has building 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 southwest and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access:

There are a few decent woods roads and the snowmobile trail can be used for some access into this compartment

Survey Needs:

No survey needs will be requested for this YOE.

Recreational Facilities and Opportunities:

The snowmobile trail is for recreation and fishing Cassidy creek.

Fire Protection:

Fairly good access and low burn potential considering timber types in this compartment. The topography could be a challenge in some areas.

Additional Compartment Information:**The following reports from the Inventory are attached:**

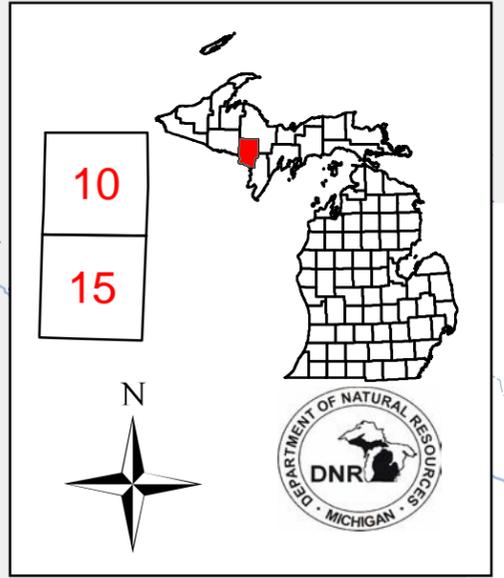
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

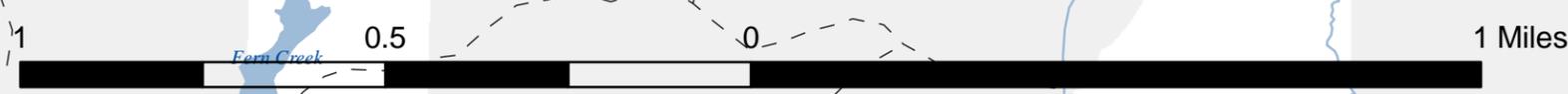
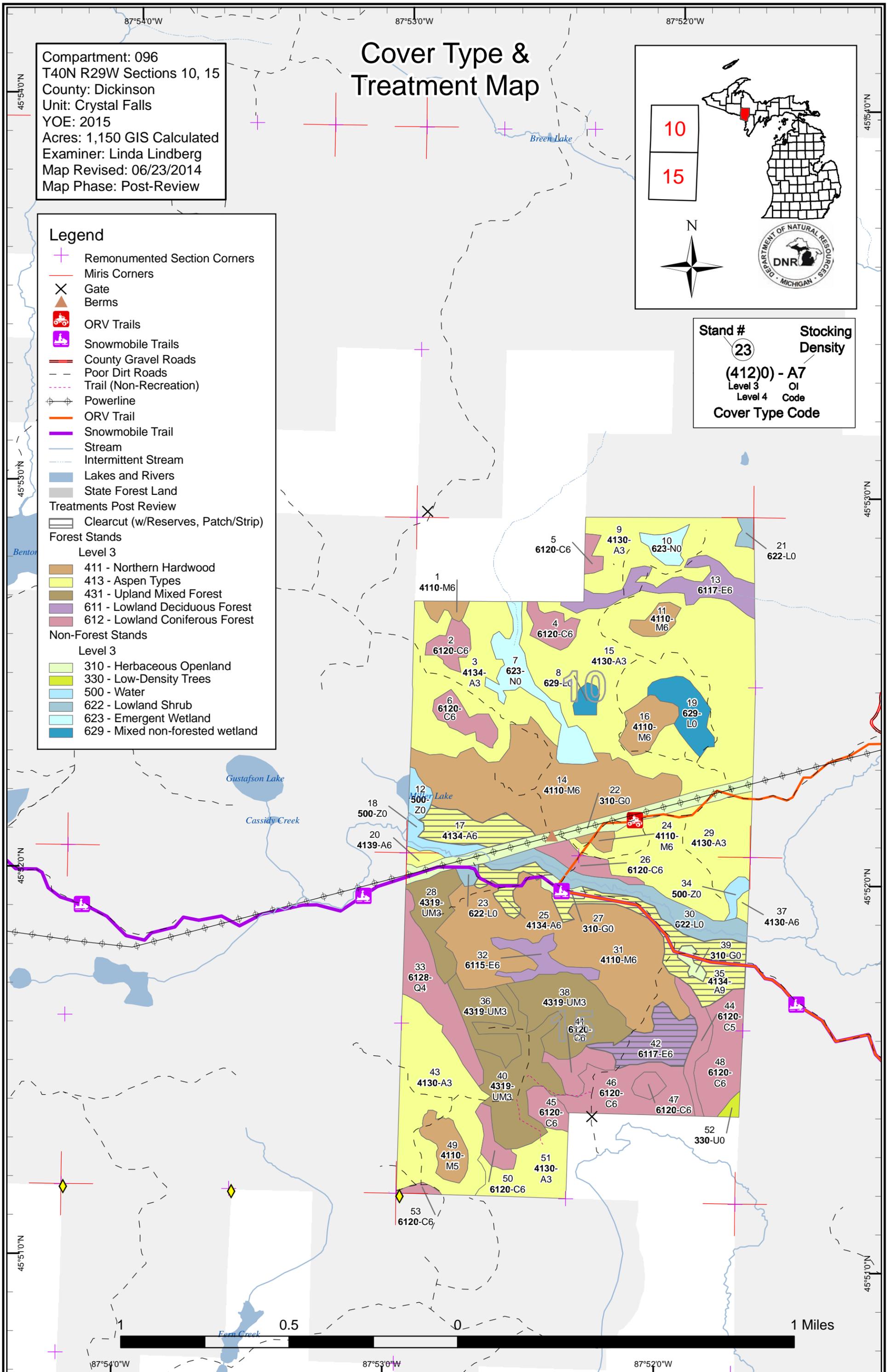
Compartment: 096
 T40N R29W Sections 10, 15
 County: Dickinson
 Unit: Crystal Falls
 YOE: 2015
 Acres: 1,150 GIS Calculated
 Examiner: Linda Lindberg
 Map Revised: 06/23/2014
 Map Phase: Post-Review



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

Legend

- + Remonumented Section Corners
- Miris Corners
- X Gate
- ▲ Berms
- ORV Trails
- Snowmobile Trails
- County Gravel Roads
- - - Poor Dirt Roads
- - - Trail (Non-Recreation)
- Powerline
- ORV Trail
- Snowmobile Trail
- Stream
- - - Intermittent Stream
- █ Lakes and Rivers
- █ State Forest Land
- Treatments Post Review**
- ▨ Clearcut (w/Reserves, Patch/Strip)
- Forest Stands**
- Level 3**
- █ 411 - Northern Hardwood
- █ 413 - Aspen Types
- █ 431 - Upland Mixed Forest
- █ 611 - Lowland Deciduous Forest
- █ 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- █ 310 - Herbaceous Openland
- █ 330 - Low-Density Trees
- █ 500 - Water
- █ 622 - Lowland Shrub
- █ 623 - Emergent Wetland
- █ 629 - Mixed non-forested wetland



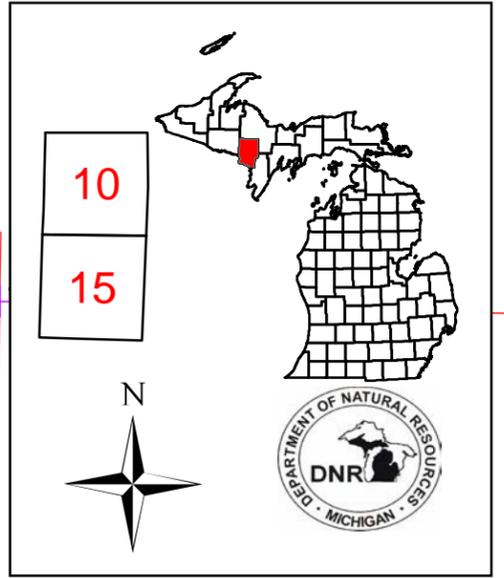
87°54'0"W 87°53'0"W 87°52'0"W

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

Special Conservation Areas & Site Conditions Map

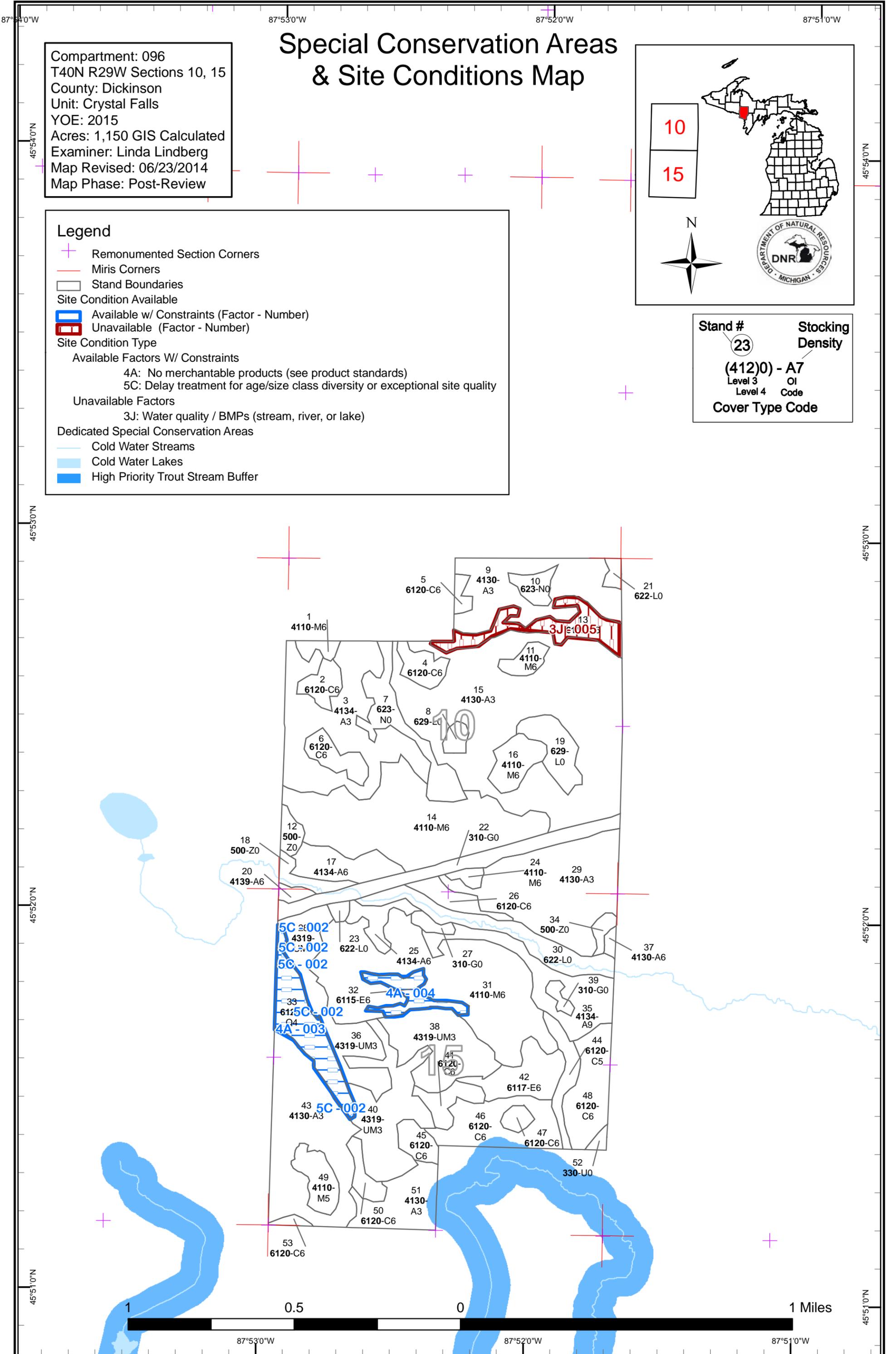
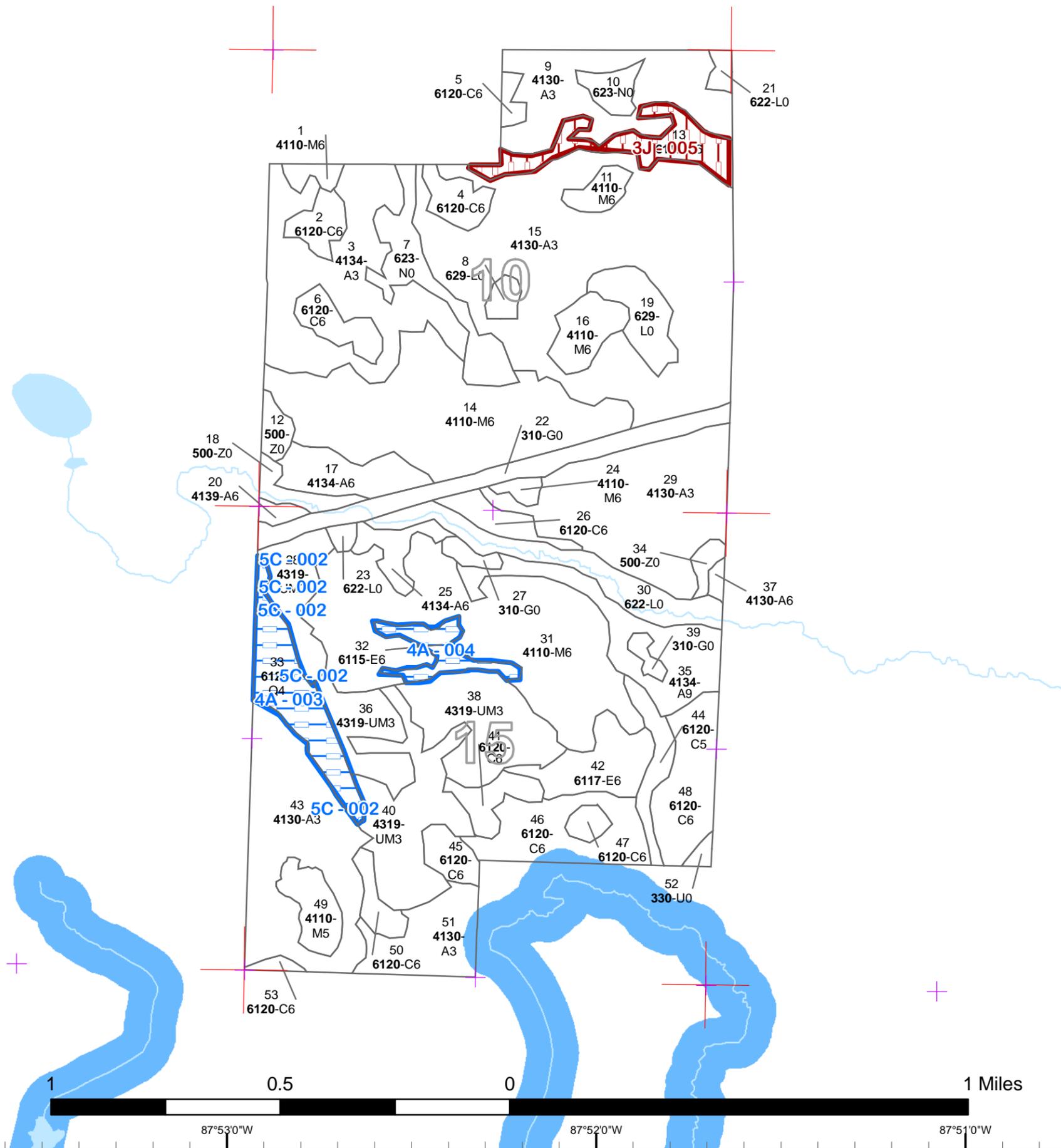
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Legend

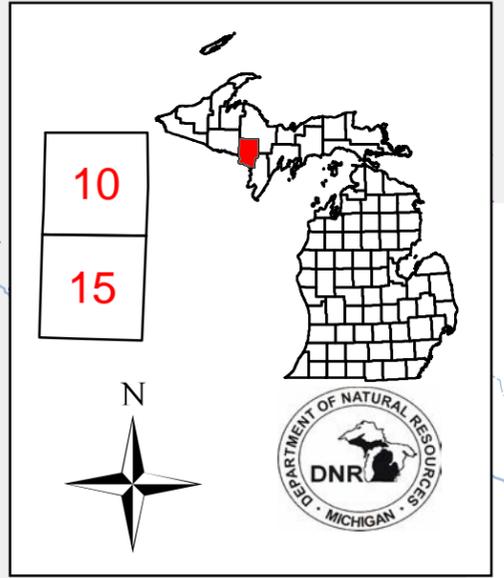
- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
 - 4A: No merchantable products (see product standards)
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
 - 3J: Water quality / BMPs (stream, river, or lake)
- Dedicated Special Conservation Areas
 - Cold Water Streams
 - Cold Water Lakes
 - High Priority Trout Stream Buffer

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Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



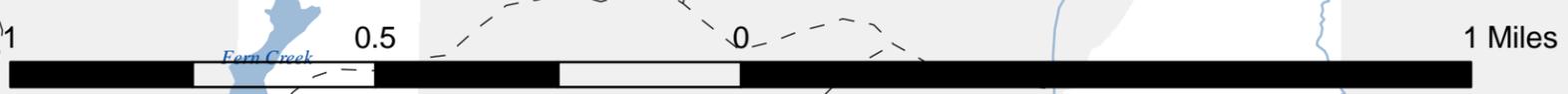
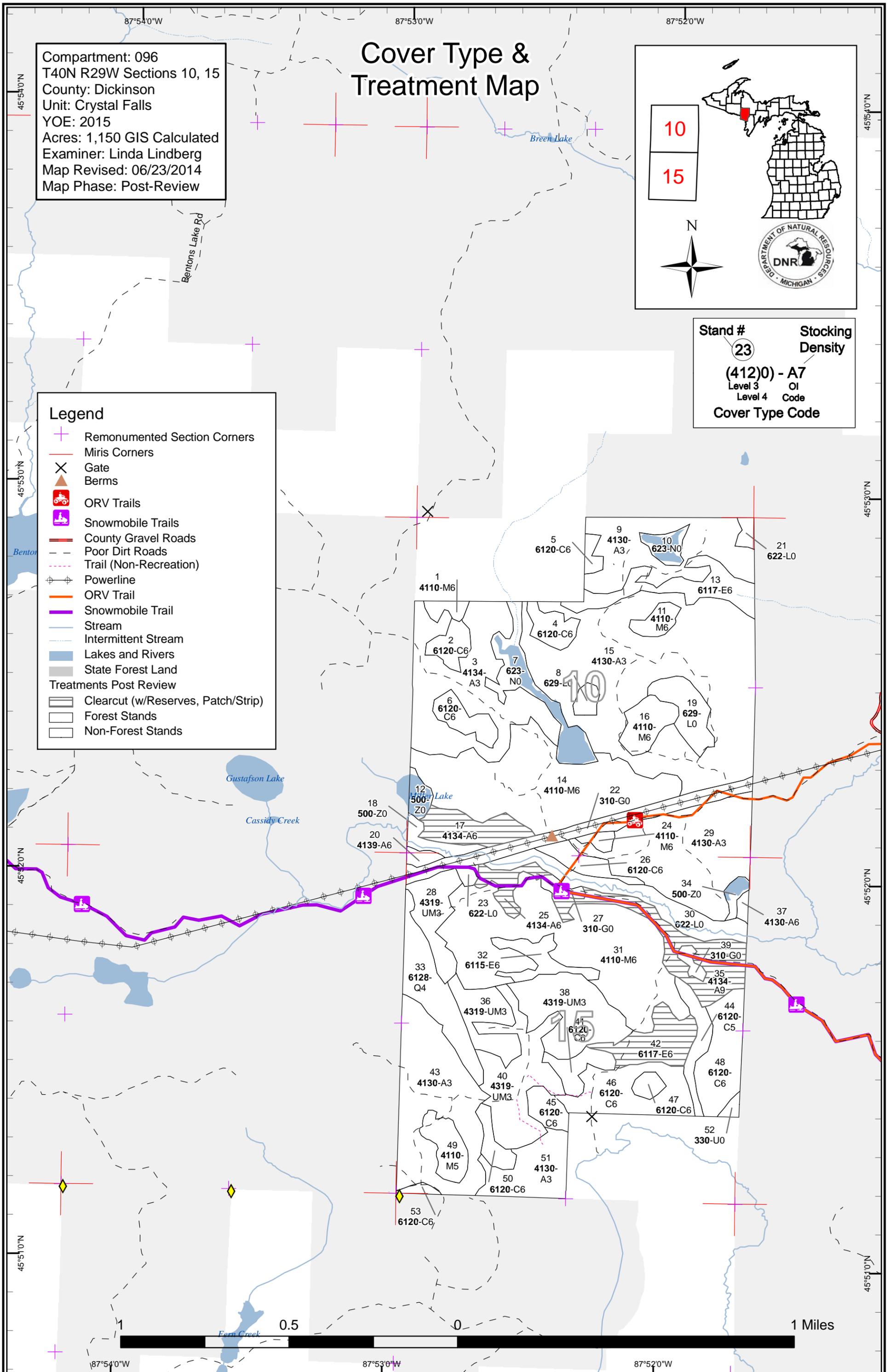
Cover Type & Treatment Map

Compartment: 096
 T40N R29W Sections 10, 15
 County: Dickinson
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- ### Legend
- + Remonumented Section Corners
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 - Snowmobile Trail
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 - - - Intermittent Stream
 - █ Lakes and Rivers
 - █ State Forest Land
 - Treatments Post Review**
 - Clearcut (w/Reserves, Patch/Strip)
 - Forest Stands
 - Non-Forest Stands



87°54'0"W 87°53'0"W 87°52'0"W

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

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

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	85	67	273	0	0	25	0	0	3	31	0	0	0	0	0	0	0	484
Cedar	0	0	0	0	0	0	0	0	52	0	75	0	0	0	0	0	0	0	127
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	26
Lowland Deciduous	0	0	0	0	0	0	0	0	19	11	22	0	0	0	0	0	0	0	52
Lowland Shrub	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Marsh	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Northern Hardwood	0	0	0	0	0	0	0	0	0	227	0	0	0	0	0	0	0	0	227
Upland Mixed Forest	0	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Total	126	193	67	273	0	0	25	0	71	241	128	26	0	0	0	0	0	0	1150



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2015

Compartment 96
Total Compartment Acres: 1,150

Acres of Harvest

Commercial Harvest - 75
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	56	0	0	0	0	0	0	0	0	56
Lowland Deciduous	19	0	0	0	0	0	0	0	0	19
Total	75	0	0	0	0	0	0	0	0	75

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	75	0	0	0	0	0	0	0	0	75
Total	75	0	0	0	0	0	0	0	0	75



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
17	12096017-Cut	16.8	4134 - Aspen, Spruce/Fir	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary

Prescription Specs: Clearcut all species that are 2 inches or greater dbh except red and white pine, hemlock, cedar, oak, cherry and elm. Cut all spruce and balsam that is 6 inches or more in diameter at a 4 inch stump.

Next Step Treatments:

Acceptable Regen:

Other Comment: This will be a very small unit after the 100' stream buffer is put in and the snowmobile trail will have to be used for hauling. Old next step comments: Regeneration check next entry

Proposed Start Date: 10/1 /2014

Site Condition: None

25	12096025-Cut	8.4	4134 - Aspen, Spruce/Fir	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Prescription Specs: Clearcut all species down to 2 inches DBH except red and white pine, hemlock, cedar, cherry, oak and elm. Cut all spruce and balsam that is 6 inches or greater at a 4 inch stump.

Next Step Treatments:

Acceptable Regen:

Other Comment: This stand is up on a rock and may have access issues. A 100 foot buffer will be established along the creek also. There also might be snowmobile trail issues. Old next step comments: Regeneration check next entry

Proposed Start Date: 10/1 /2014

Site Condition: None

35	12096035-Cut	30.6	4134 - Aspen, Spruce/Fir	Sawtimber Well	94	51-80	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Prescription Specs: Cut all trees 2 inches or greater in diameter except red and white pine, hemlock, cedar, cherry, oak and elm. Cut all spruce and balsam that is 6 inches or greater at a 4 inch stump.

Next Step Treatments:

Acceptable Regen:

Other Comment: This stand will also have a 100' stream buffer to put in and the snowmobile trail to deal with when it is harvested. Old next step comments: Regeneration check next entry.

Proposed Start Date: 10/1 /2014

Site Condition: None

42	12096042-Cut	19.2	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Draft Field Boundary
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Prescription Specs: Cut all species down to 2 inches dbh, except red and white pine, hemlock, cedar, cherry, oak and elm. There will be areas of cedar with a mixture that can all be left and a reserve area so as not to disturb the cedar.

Next Step Treatments:

Acceptable Regen:

Other Comment: This stand also will use the snowmobile trail to haul wood. Old next step comments: Regeneration check next entry.

Proposed Start Date: 10/1 /2014

Site Condition: None



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
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Total Treatment
Acreage Proposed: 75.0

Report 5 – Site Conditions

Crystal Falls Mgt. Unit
Linda Lindberg : Examiner

Compartment: 96
Year of Entry: 2015

Dominant Site Conditions

4A	
Aspen	0
Cedar	
Herbaceous Openland	
Low-Density Trees	
Lowland Conifers	26
Lowland Deciduous	10
Lowland Shrub	
Marsh	
Northern Hardwood	0
Upland Mixed Forest	1
Water	
Total Forested Acres	37
Relative Percent	

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mostly smaller stuff or cedar							
3	Available	4A: No Markets Available for these Forest Products	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: this stand has little trees and cedar or it would have been cut already with the adjoining stand							
4	Available	4A: No Markets Available for these Forest Products	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: There are not enough merchantable products to make this worthwhile to go to and wildlife will use it							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Linda Lindberg : Examiner

Compartment: 96

Year of Entry: 2015

5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

Most of this stand is stream buffer and the little bit that is left is too small to harvest when all the rest is so far away.

Report 5 – Site Conditions

Crystal Falls Mgt. Unit
Linda Lindberg : Examiner

Compartment: 96
Year of Entry: 2015

Dominant Site Conditions

4A

Aspen	0
Cedar	0
Herbaceous Openland	0
Low-Density Trees	0
Lowland Conifers	26
Lowland Deciduous	10
Lowland Shrub	0
Marsh	0
Northern Hardwood	0
Upland Mixed Forest	1
Water	0
Total Forested Acres	37
Relative Percent	0

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Comments: There are not enough merchantable products to make this worthwhile to go to and wildlife will use it							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Linda Lindberg : Examiner

Compartment: 96

Year of Entry: 2015

5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

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Report 5 – Site Conditions

Crystal Falls Mgt. Unit
Linda Lindberg : Examiner

Compartment: 96
Year of Entry: 2015

Dominant Site Conditions

4A

Aspen	0
Cedar	
Herbaceous Openland	
Low-Density Trees	
Lowland Conifers	26
Lowland Deciduous	10
Lowland Shrub	
Marsh	
Northern Hardwood	0
Upland Mixed Forest	1
Water	
Total Forested Acres	37
Relative Percent	

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Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
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Comments: There are not enough merchantable products to make this worthwhile to go to and wildlife will use it							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Linda Lindberg : Examiner

Compartment: 96

Year of Entry: 2015

5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

Most of this stand is stream buffer and the little bit that is left is too small to harvest when all the rest is so far away.

Report 5 – Site Conditions

Crystal Falls Mgt. Unit
Linda Lindberg : Examiner

Compartment: 96
Year of Entry: 2015

Dominant Site Conditions

4A

Aspen	0
Cedar	0
Herbaceous Openland	0
Low-Density Trees	0
Lowland Conifers	26
Lowland Deciduous	10
Lowland Shrub	0
Marsh	0
Northern Hardwood	0
Upland Mixed Forest	1
Water	0
Total Forested Acres	37
Relative Percent	0

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Comments: Mostly smaller stuff or cedar							
3	Available	4A: No Markets Available for these Forest Products	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: this stand has little trees and cedar or it would have been cut already with the adjoining stand							
4	Available	4A: No Markets Available for these Forest Products	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: There are not enough merchantable products to make this worthwhile to go to and wildlife will use it							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Linda Lindberg : Examiner

Compartment: 96

Year of Entry: 2015

5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

Most of this stand is stream buffer and the little bit that is left is too small to harvest when all the rest is so far away.

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	Poletimber Well	3.7	87	81-110	Hard to access. Rocky. Too small to harvest.
2	6120 - Lowland Cedar	Poletimber Well	7.7	95	111-140	Nice stand, mostly cedar. Good to leave aspen for diversity
3	4134 - Aspen, Spruce/Fir	Sapling Well	66.7	17	Unspecified	2-4 inch mixed aspen. Full sized conifer
4	6120 - Lowland Cedar	Poletimber Well	8.4	95	81-110	Mostly cedar. Should be left for diversity.
5	6120 - Lowland Cedar	Poletimber Well	3.1	95	81-110	Mostly cedar. Part of low area where drainages run thru have small creeks or at least water movement.
6	6120 - Lowland Cedar	Poletimber Well	9.6	95	51-80	ridge part of hardwood dips into cedar
9	4130 - Aspen	Sapling Well	46.4	29	Unspecified	aspen, average 2-4 inches, some bigger
11	4110 - Sugar Maple Association	Poletimber Well	5.9	87	51-80	Very rocky. Skid trail for access but hit hard in 2005 when cut with aspen stand. Dead and dying basswood, a few red maple and ironwood 2-4 inches dbh.
13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	22.3	94	51-80	Creek running through stand.
14	4110 - Sugar Maple Association	Poletimber Well	88.2	87	51-80	Very rocky. Transition zones into wetlands have aspen, white birch and some conifers.
15	4130 - Aspen	Sapling Well	156.2	29	Unspecified	Aspen mixed. A few conifers scattered.
16	4110 - Sugar Maple Association	Poletimber Well	12.0	87	51-80	Rock. Uphill and hard to access.
17	4134 - Aspen, Spruce/Fir	Poletimber Well	16.8	50	51-80	Creek running through stand, Miller Lake on nw edge.
20	4139 - Aspen, Mixed Deciduous	Poletimber Well	2.7	85	51-80	Very rugged and rocky. Surrounded by wet. Buffers creek and not large enough to consider.
24	4110 - Sugar Maple Association	Poletimber Well	2.8	87	51-80	Was cut last YOE.
25	4134 - Aspen, Spruce/Fir	Poletimber Well	8.4	50	51-80	
26	6120 - Lowland Cedar	Poletimber Well	8.5	94	51-80	Wet area of larger stand left as buffer along creek. All else was cut.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	4319 - Mixed Upland Forest	Sapling Well	17.1	3	Unspecified	A3 cut as Chutes and Ladders Sale, closed in sept. 2012. residual white pine.
29	4130 - Aspen	Sapling Well	68.6	29	51-80	some conifers mixed in, oak.
31	4110 - Sugar Maple Association	Poletimber Well	103.6	87	51-80	some ironwood, lots of sedge, a few spruce, pine. rocks
32	6115 - Lowland Ash	Poletimber Well	10.6	87	81-110	some of this stand is under water, some rocks
33	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	26.0	100	1-50	not enough volume to cut, too wet
35	4134 - Aspen, Spruce/Fir	Sawtimber Well	30.6	94	51-80	adjoins clear cut in next compartment over that will be harvested and sold soon.
36	4319 - Mixed Upland Forest	Sapling Well	17.3	3	Unspecified	A3 cut as Chutes and Ladders Sale in 2012. white pine residual.
37	4130 - Aspen	Poletimber Well	1.7	29	51-80	sourrounded by wet. some conifer mixed in. oak. was a part of stand 30.
38	4319 - Mixed Upland Forest	Sapling Well	35.5	3	Unspecified	cut as Chutes and Ladders Sale closed in sept. 2012. residual white pine.
40	4319 - Mixed Upland Forest	Sapling Well	38.2	3	Unspecified	A3 Chutes and Ladders SAle closed sept. 2012. residual white pine.
41	6120 - Lowland Cedar	Poletimber Well	9.0	95	81-110	beautiful cedar. rocks
42	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	19.2	70	51-80	Has cedar exclusions in the stand but could cut areas with aspen where you could get regeneration.
43	4130 - Aspen	Sapling Well	62.1	9	Unspecified	aspen regen with residual cedar.
44	6120 - Lowland Cedar	Poletimber Medium	9.8	95	81-110	draw going through stand. some solid cedar.
45	6120 - Lowland Cedar	Poletimber Well	7.2	95	81-110	nice cedar stand
46	6120 - Lowland Cedar	Poletimber Well	27.8	70	81-110	Previous Foresters comment: This stand is an area of scatered rock bluffs and wet bases. The distribution of geographic features would make it impractical to harvest at this time. This condition seems to be very good for cedar. The stand can be left to grow a nice diverse mix of cedar and trees to serve as a nurse cover.

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Crystal Falls Mgt. Unit

Report 8 – Forested Stands

Compartment: 96
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	6120 - Lowland Cedar	Poletimber Well	3.6	95	51-80	some blowdown
48	6120 - Lowland Cedar	Poletimber Well	24.4	70	81-110	purchased stand, wildlife may object to cut parts to cut away from road
49	4110 - Sugar Maple Association	Poletimber Medium	11.4	87	51-80	Was hit hard last harvest and probably won't be gone into again for a while.
50	6120 - Lowland Cedar	Poletimber Well	6.3	95	81-110	mostly cedar. some rock tops
51	4130 - Aspen	Sapling Well	23.3	3	Unspecified	A3 cut as Chutes and Ladders Sale. closed in sept.,2012. aspen regeneration with residual cedar.
53	6120 - Lowland Cedar	Poletimber Well	1.8	96	51-80	drops off road. ash swale to left of creek, cedar to right.



Stand	Cover Type	Acres	Managed Site	General Comments:
7	6239 - Mixed Emergent Wetland	21.6	No	
8	629 - Mixed non-forested wetland	3.7	No	
10	6233 - Wet Meadow	6.2	No	
12	500 - Water	4.8	No	creek running into Miller Lake
18	500 - Water	6.2	No	Cassidy Creek and lowland shrub.
19	629 - Mixed non-forested wetland	14.4	No	
21	6229 - Mixed lowland shrub	2.6	No	
22	3102 - Grass	26.8	No	
23	6220 - Alder/willow	2.0	No	wetland - water and tag alder
27	3102 - Grass	3.2	No	
30	6220 - Alder/willow	26.2	No	
34	500 - Water	3.3	No	
39	3102 - Grass	2.7	No	
52	3302 - Low Density Conifer Trees	1.7	Yes	