



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 165

Entry Year 2016

Acreage: 1,580

County Iron

Management Area: Panola Plains

Revision Date: 07/25/2014

Stand Examiner: Scott Sebero

Legal Description:

T42N-R31W Section 19 & T42N-R32W Section 24

Identified Planning 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:

Vilas loamy sand, 1 to 6 percent slopes. Nearly level and undulating areas on outwash plains.

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:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment lies in the Lake Mary Plains and is a mixture of large openings, pine stands, aspen, lowland conifer and bog. There are 3 large fields that have been maintained as wildlife openings. The large opening complex outside the fields has been maintained by prescribed fire. Blueberry production around these fields have benefited wildlife and people alike. This area is heavily used by hunters, due to easily accessed public lands. It also winters deer in its limited lowland conifer stands. Transition zones and upland and lowland stands should have their conifer components maintained and enhanced.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and a minor end moraine of coarse-textured till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Michigamme Formation and Intrusives subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines are located four miles to the north. This general area was previously leased for metallic exploration and potential may still exist. The nearest gravel pit is two miles to the south and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access is good. Access is from Lake Mary Road and connecting two tracks.

Survey Needs:

None

Recreational Facilities and Opportunities:

None

Fire Protection:

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**

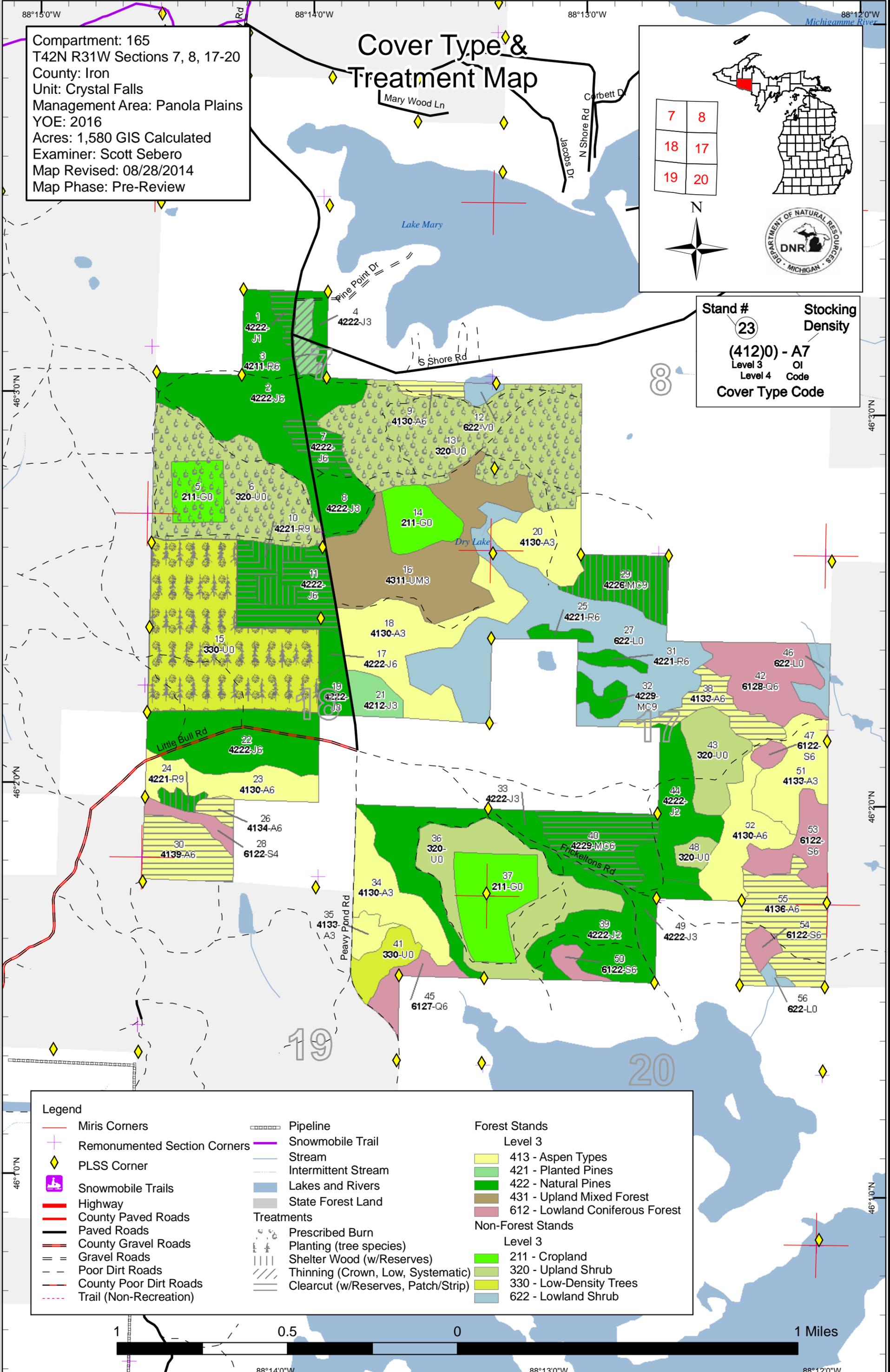
Compartment: 165
 T42N R31W Sections 7, 8, 17-20
 County: Iron
 Unit: Crystal Falls
 Management Area: Panola Plains
 YOE: 2016
 Acres: 1,580 GIS Calculated
 Examiner: Scott Sebero
 Map Revised: 08/28/2014
 Map Phase: Pre-Review

Cover Type & Treatment Map

7	8
18	17
19	20

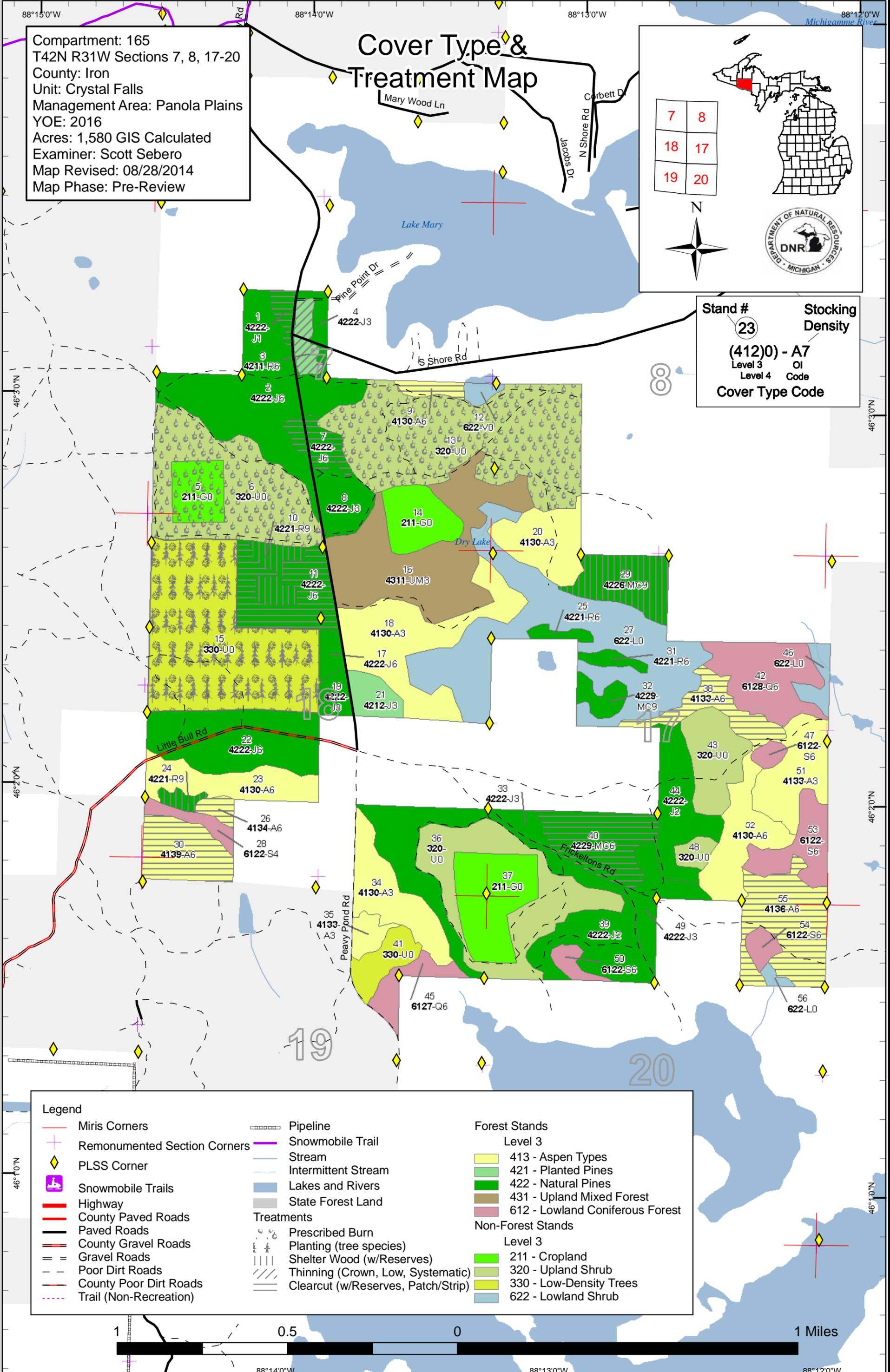
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Stand # **23**
 Stocking Density
(4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

Miris Corners	Pipeline	Forest Stands Level 3 413 - Aspen Types 421 - Planted Pines 422 - Natural Pines 431 - Upland Mixed Forest 612 - Lowland Coniferous Forest
Remonumented Section Corners	Snowmobile Trail	
PLSS Corner	Stream	
Snowmobile Trails	Intermittent Stream	
Highway	Lakes and Rivers	
County Paved Roads	State Forest Land	
Paved Roads	Treatments	
County Gravel Roads	Prescribed Burn	
Gravel Roads	Planting (tree species)	
Poor Dirt Roads	Shelter Wood (w/Reserves)	
County Poor Dirt Roads	Thinning (Crown, Low, Systematic)	
Trail (Non-Recreation)	Clearcut (w/Reserves, Patch/Strip)	Non-Forest Stands Level 3 211 - Cropland 320 - Upland Shrub 330 - Low-Density Trees 622 - Lowland Shrub



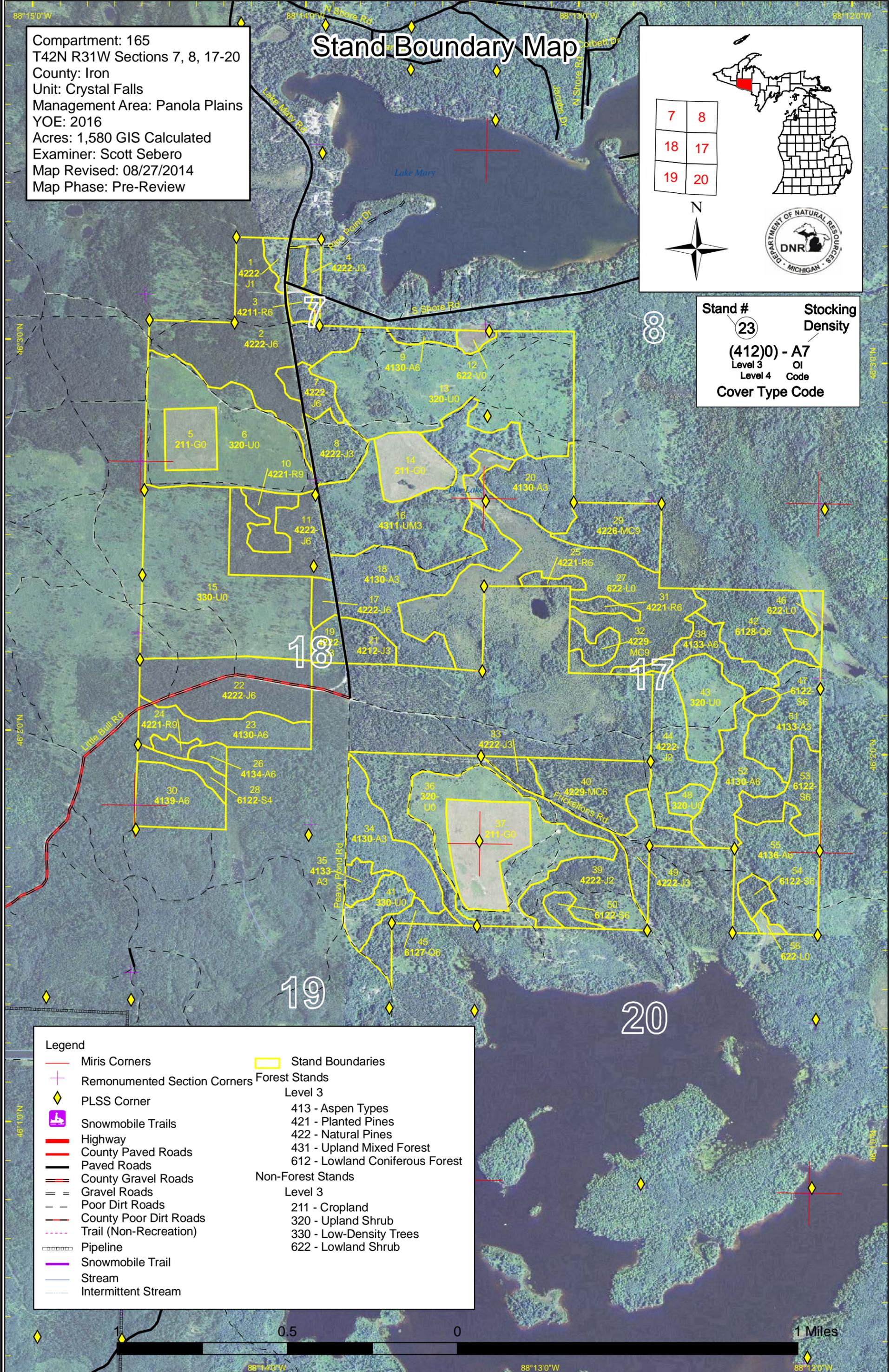
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Stand Boundary Map

7	8
18	17
19	20

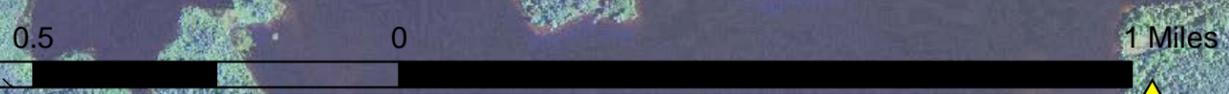
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Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



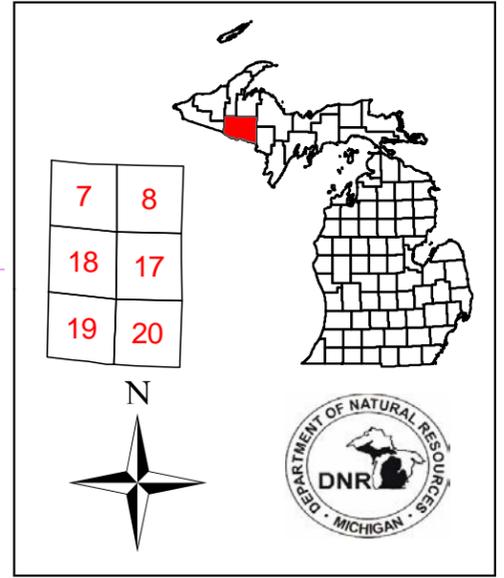
Legend

	Miris Corners		Stand Boundaries
	Remonumented Section Corners		Forest Stands
	PLSS Corner		Level 3
	Snowmobile Trails		413 - Aspen Types
	Highway		421 - Planted Pines
	County Paved Roads		422 - Natural Pines
	Paved Roads		431 - Upland Mixed Forest
	County Gravel Roads		612 - Lowland Coniferous Forest
	Gravel Roads		Non-Forest Stands
	Poor Dirt Roads		Level 3
	County Poor Dirt Roads		211 - Cropland
	Trail (Non-Recreation)		320 - Upland Shrub
	Pipeline		330 - Low-Density Trees
	Snowmobile Trail		622 - Lowland Shrub
	Stream		
	Intermittent Stream		

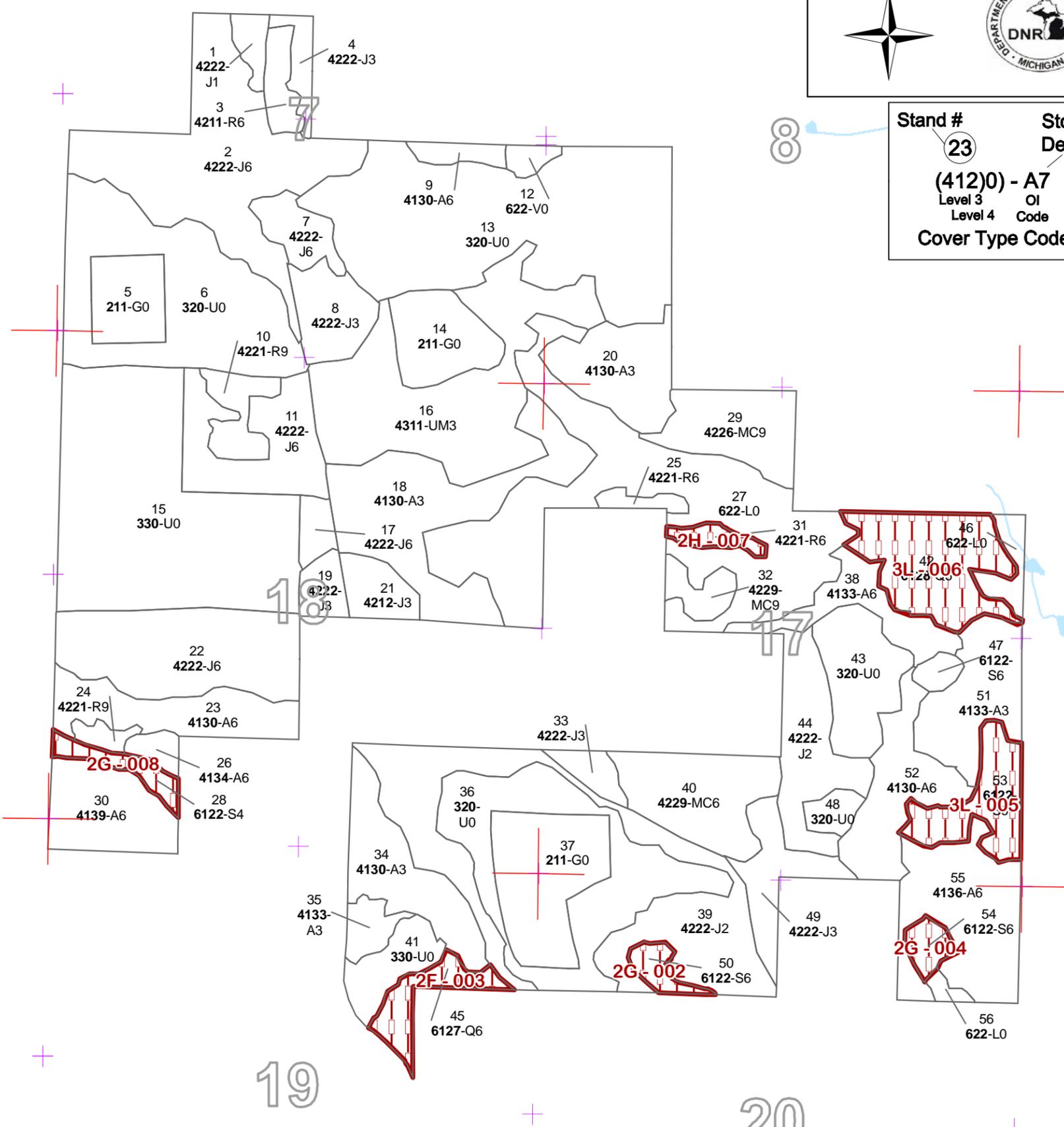


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Special Conservation Areas & Site Conditions Map



Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Available
 - Available w/ Constraints (Factor - Number)
 - Unavailable (Factor - Number)
- Site Condition Type
 - Unavailable Factors
 - 2F: Too steep
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 3L: Other wildlife concerns
- Dedicated Special Conservation Areas
 - Cold Water Streams
 - Cold Water Lakes



Report 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 +	Uneven Age	
Aspen	0	30	124	29	30	0	0	5	96	0	0	0	0	0	314
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cropland	78	0	0	0	0	0	0	0	0	0	0	0	0	0	78
Jack Pine	5	87	169	54	6	0	0	45	0	0	0	0	0	0	366
Low-Density Trees	134	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Lowland Conifers	0	0	0	0	0	0	0	0	50	0	0	0	0	0	50
Lowland Shrub	122	0	0	0	0	0	0	0	0	0	0	0	0	0	122
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	43	0	0	0	0	0	43
Natural Mixed Pines	0	0	0	0	0	0	0	0	68	0	0	0	0	0	68
Red Pine	0	0	0	0	0	0	8	0	24	0	0	0	0	0	32
Upland Mixed Forest	0	81	0	0	0	0	0	0	0	0	0	0	0	0	81
Upland Shrub	288	0	0	0	0	0	0	0	0	0	0	0	0	0	288
Total	631	198	293	83	36	0	8	50	281	0	0	0	0	0	1580



Report 2 – Proposed Treatment Summaries

Crystal Falls Mgt. Unit
Year of Entry 2016

Compartment 165
Total Compartment Acres: 1,580

Acres by Treatment Type

Commercial Harvest - 235 Tree Planting - 125 Other - 217
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	101	0	0	0	0	0	101
Natural Pines	84	0	0	42	0	0	126
Planted Pines	0	0	0	0	8	0	8
Total	185	0	0	42	8	0	235



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	12165001-Cut	5.4	42220 - Natural Jack Pine	Low Density Sapling	5	1-50	Harvest	Clearcut with Reserves	4212 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut red pine leaving 1 to 3 trees per acre. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next Steps:</u> Herbicide, trench and plant jack pine. <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
3	12165003-Cut	8.3	42110 - Planted Red Pine	High Density Pole	60	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin red pine to BA of 100. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
7	12165007-Cut	11.7	42220 - Natural Jack Pine	High Density Pole	72	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees 2" DBH or greater, except mark 1 to 3 red pine leave trees per acre. Leave all white pine and oak. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next Steps:</u> Scarify to regenerate jack pine. Backup will be to herbicide, trench and plant jack pine. <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
9	12165009-Cut	5.3	4130 - Aspen	High Density Pole	72	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all balsam, spruce and jack pine with one or more pulpwood stick. Leave oak and red and white pine. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next Steps:</u> Regen survey per work constructions. <u>Proposed</u> <u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	12165010-Cut	11.5	42210 - Natural Red Pine	High Density Log	85	81-110	Harvest	Shelterwood	4221 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen, spruce, balsam, jack pine and mixed hardwood 2" DBH or greater. Cut marked red pine to 30 BA. Leave oak and white pine.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Scarify to promote natural red pine regeneration. Backup will be to herbicide, trench and plant red pine.										
<u>Proposed Start Date:</u> 10/01/2015										
11	12165011-Cut	33.3	42220 - Natural Jack Pine	High Density Pole	72	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees 2" DBH or greater, except mark 1 to 3 red pine leave trees per acre. Leave all white pine and oak.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Scarify to promote natural regeneration of jack pine. Backup will be to herbicide, trench and plant jack pine.										
<u>Proposed Start Date:</u> 10/01/2015										
24	12165024-Cut	3.7	42210 - Natural Red Pine	High Density Log	85	111-140	Harvest	Shelterwood	4221 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen, spruce, balsam, jack pine and mixed hardwood 2" DBH or greater. Cut marked red pine to 30 BA. Leave white pine and oak.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Scarify to promote natural red pine regeneration. Backup will be to herbicide, trench and plant red pine.										
<u>Proposed Start Date:</u> 10/01/2015										
26	12165026-Cut	4.5	4134 - Aspen, Spruce/Fir	High Density Pole	85	51-80	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce, balsam and jack pine with one or more pulpwood stick. Cut red pine with one or more pulpwood stick except leave 1 to 3 marked red pine trees per acre. Leave white pine, cedar, hemlock and oak.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Regen survey per work constructions.										
<u>Proposed Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	12165029-Cut	26.4	42260 - Natural Pine, Mixed Deciduous	High Density Log	85	111-140	Harvest	Shelterwood	4221 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen, spruce, balsam, jack pine and mixed hardwood 2" DBH or greater. Cut marked red pine to 30 BA. Leave white pine and oak.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Scarify to promote natural red and white pine regeneration. Backup will be to herbicide, trench and plant red pine.										
<u>Proposed Start Date:</u> 10/01/2015										
30	12165030-Cut	27.3	4139 - Aspen, Mixed Deciduous	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all balsam, spruce and jack pine with one or more pulpwood stick. Leave red and										
<u>Specs:</u> white pine, cedar, hemlock and oak.										
<u>Other Comments:</u>										
<u>Next Steps:</u> Regen survey per work constructions.										
<u>Proposed Start Date:</u> 10/01/2015										
38	12165038-Cut	19.6	4133 - Aspen, Mixed Pine	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce, balsam and jack pine with one or more pulpwood stick. Cut red pine with										
<u>Specs:</u> one or more pulpwood stick except leave 3 to 5 marked trees per acre. Leave white pine, cedar, hemlock and oak.										
<u>Other Comments:</u>										
<u>Next Steps:</u> Regen survey per work constructions.										
<u>Proposed Start Date:</u> 10/01/2015										
40	12165040-Cut	34.0	42290 - Natural Mixed Pine	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees 2" DBH or greater, except mark 1 to 3 red pine leave trees per acre. Leave all white pine and oak.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Scarify to promote natural pine regeneration. Backup will be to herbicide, trench and plant jack pine.										
<u>Proposed Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55	12165055-Cut	44.3	4136 - Aspen, Mixed Conifer	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or greater. Cut all spruce, balsam and jack pine with one or more pulpwood stick. Cut red pine with <u>Specs:</u> one or more pulpwood stick except leave 3 to 5 marked trees per acre. Leave white pine, cedar, hemlock and oak.										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Regen survey per work constructions. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										
15	NF_12165015- Plant	120.0	3303 - Mixed Low Density Trees				Tree Planting	Hand Plant	4212 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Machine trench and hand plant jack pine. Herbicide where needed. <u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Stocking survey per work constructions. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
5	NF_12165005- Burn	17.6	2113 - Forage Crops				Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Opening Maintenance <u>Specs:</u>										
<u>Other</u> Burning with proper conditions <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
6	NF_12165006- Burn	72.4	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
<u>Prescription</u> Burn with proper conditions <u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
13	NF_12165013- Burn	126.7	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
<u>Prescription</u> Burn with proper conditions <u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										

Report 3 -- Treatments Prescribed
with No Limiting Factor



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		572.1							



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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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#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment 165

Year of Entry 2016

Availability for Management

Availability for Management			Dominant Site Conditions				
Total Acres	Acres Available	Acres Not Available	No	3L	2H	2G	2F
314	314		Aspen	314			
366	366		Jack Pine	366			
49	0	49	Lowland Conifers	0	37		12
43	4	39	Lowland Spruce/Fir	4	21	18	
68	68		Natural Mixed Pines	68			
32	27	5	Red Pine	27		5	
81	81		Upland Mixed Forest	81			
953	860	93	Total Forested Acres	860	59	5	18
	90%	10%	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
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5	4A: No merchantable products (see product standards)			
Comments:							
003	Not Available	2F: Too steep	12	2G: Too wet (sensitive soils, does not include access issues)			
Comments:							
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No merchantable products (see product standards)			
Comments:							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit
 Scott Sebero : Examiner

Compartment 165
 Year of Entry 2016

005	Not Available	3L: Other wildlife concerns	21	
Comments:				
006	Not Available	3L: Other wildlife concerns	38	2G: Too wet (sensitive soils, does not include access issues)
Comments:				
007	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	
Comments:				
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7	4A: No merchantable products (see product standards)
Comments:				



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
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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Crystal Falls Mgt. Unit		Report 8 – Forested Stands			General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	
1	42220 - Natural Jack Pine	Low Density Sapling	5.4	5	1-50	
2	42220 - Natural Jack Pine	High Density Pole	82.0	27	1-50	
3	42110 - Planted Red Pine	High Density Pole	8.3	60	141-170	
4	42220 - Natural Jack Pine	High Density Sapling	6.6	17		
7	42220 - Natural Jack Pine	High Density Pole	11.7	72	81-110	
8	42220 - Natural Jack Pine	High Density Sapling	17.6	17		
9	4130 - Aspen	High Density Pole	5.3	72	81-110	
10	42210 - Natural Red Pine	High Density Log	11.5	85	81-110	
11	42220 - Natural Jack Pine	High Density Pole	33.3	72	81-110	
16	4311 - Pine, Aspen Mix	High Density Sapling	80.6	17		
17	42220 - Natural Jack Pine	High Density Pole	5.8	49	51-80	
18	4130 - Aspen	High Density Sapling	58.2	29		
19	42220 - Natural Jack Pine	High Density Sapling	7.3	17		
20	4130 - Aspen	High Density Sapling	28.0	28		
21	42120 - Planted Jack Pine	High Density Sapling	10.8	21		
22	42220 - Natural Jack Pine	High Density Pole	54.1	37	51-80	
23	4130 - Aspen	High Density Pole	28.6	37	51-80	
24	42210 - Natural Red Pine	High Density Log	3.7	85	111-140	

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Crystal Falls Mgt. Unit

Report 8 – Forested Stands

Compartment: 165
Year of Entry: 2016

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42210 - Natural Red Pine	High Density Pole	3.9	85	81-110	
4134 - Aspen, Spruce/Fir	High Density Pole	4.5	85	51-80	
6122 - Black Spruce	Low Density Pole	7.4	85	1-50	
42260 - Natural Pine, Mixed Deciduous	High Density Log	26.4	85	111-140	
4139 - Aspen, Mixed Deciduous	High Density Pole	27.3	85	81-110	
42210 - Natural Red Pine	High Density Pole	4.6	85	81-110	
42290 - Natural Mixed Pine	High Density Log	7.6	85	81-110	
42220 - Natural Jack Pine	High Density Sapling	6.3	17		
4130 - Aspen	High Density Sapling	30.8	28		
4133 - Aspen, Mixed Pine	High Density Sapling	7.0	28	1-50	
4133 - Aspen, Mixed Pine	High Density Pole	19.6	85	81-110	
42220 - Natural Jack Pine	Medium Density	75.7	28		
42290 - Natural Mixed Pine	High Density Pole	34.0	85	81-110	
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	37.6	85	51-80	
42220 - Natural Jack Pine	Medium Density	30.8	18		
6127 - Lowland Pine	High Density Pole	12.1	85	51-80	
6122 - Black Spruce	High Density Pole	3.8	85	51-80	
42220 - Natural Jack Pine	High Density Sapling	18.5	17	1-50	

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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6122 - Black Spruce	High Density Pole	5.4	85	51-80	
51	4133 - Aspen, Mixed Pine	High Density Sapling	30.1	15	1-50	
52	4130 - Aspen	High Density Pole	30.2	42	51-80	
53	6122 - Black Spruce	High Density Pole	21.3	85	81-110	
54	6122 - Black Spruce	High Density Pole	5.5	85	51-80	
55	4136 - Aspen, Mixed Conifer	High Density Pole	44.3	85	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	2113 - Forage Crops	17.6	Yes	High	Goose pasture
6	3205 - Mixed Upland Shrub	72.4	Yes	High	burn plan submitted.
12	6225 - Bog	3.6	No	Unspecified	
13	3205 - Mixed Upland Shrub	126.7	Yes	Medium	Previously burned.
14	2113 - Forage Crops	22.3	Yes	High	Goose pasture
15	3303 - Mixed Low Density Trees	120.0	Plantation	Jack Pine	
27	6229 - Mixed lowland shrub	113.0	No	Unspecified	
36	3205 - Mixed Upland Shrub	56.3	Yes	Medium	Previously burned
37	2113 - Forage Crops	38.3	Yes	High	Goose pasture
41	3303 - Mixed Low Density Trees	14.2	No	Unspecified	
43	3205 - Mixed Upland Shrub	27.0	No	Unspecified	Previously burned
46	6229 - Mixed lowland shrub	7.1	No	Unspecified	
48	3205 - Mixed Upland Shrub	5.4	No	Unspecified	Previously burned
56	6229 - Mixed lowland shrub	2.2	No	Unspecified	