



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12158

Entry Year 2023

Acreage: 1,852

County Iron

Management Area: Panola Plains

Revision Date: 2021-08-16

Stand Examiner:

Legal Description:

T42N, R32W, Sec. 4, 5, 8, 9, 16, 21

T43N, R32W, Sec. 29, 32

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:

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 with some small private parcels and hunting camps. Some undivided interest parcels in sections 29 and 32 of T43N, R32W. Compartment borders south side of the City of Crystal Falls. Lands in and around the remainder of the compartment are used mainly for hunting and managed for forest products.

Unique Natural Features:

Railroad Lake and Dunn Creek are in the NW part of the compartment. The Paint River borders the north and west sides of the compartment.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Waterbodies within this compartment include Tim Bowers Creek, Railroad Lake, Dunn Creek, and portions of the Paint River. All should have a 100ft. buffer.

Wildlife Habitat Considerations:

This compartment is bisected by the recreation trail and includes Railroad Lake. It's close proximity to Crystal Falls and easy access make it a popular recreation destination for many hunters and fisherman as well as non-consumptive user groups. Good age class distribution in the aspen and conifer stands is important to continue to provide optimal wildlife habitat. The mast produced by the oak, in this compartment, attracts numerous wildlife species including deer, bear, grouse, and turkey.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The nearest active sand/gravel pit is roughly two miles to the northwest. The compartment is in an area where bedrock is at or near the surface. Where glacial drift is thicker, there is potential for sand & gravel. Historic iron mines occur to the west, north, and east of the compartment, but the compartment itself does not appear to have iron ore potential (at least not at depths where it would be economical to recover). Potential for other metallic minerals is unknown but is considered low at this time. There is no current metallic mineral leasing activity in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Access for the compartment is from US-2 and associated trail roads. The Iron County Recreational Trail runs through the center of the compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

Iron County Recreational Trail and Railroad Lake.

Fire Protection:

Additional Compartment Information:

None.

The following reports from the Inventory are attached:

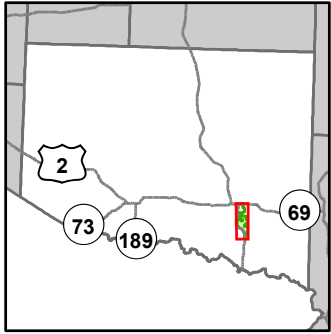
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

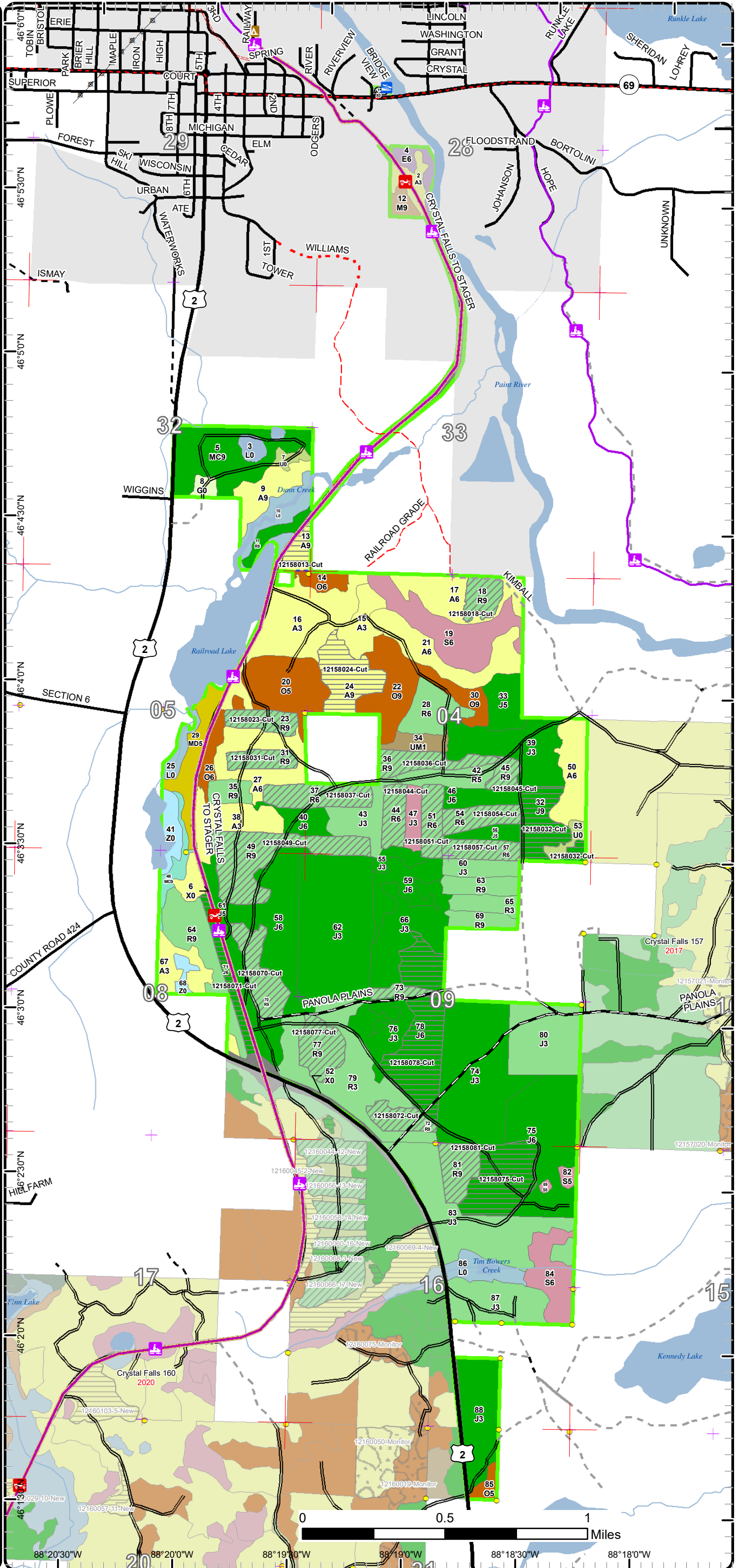
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 158
 T42N, R32W, Sec. 4, 5, 8, 9, 16, 21
 T43N, R32W, Sec. 28, 32, 33
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Panola Plains
 YOE: 2023
 Acres: 1852 GIS Calculated
 Examiner: Scott Sebero
 Map Revised: 12/28/2021
 Map Phase: Post-Review

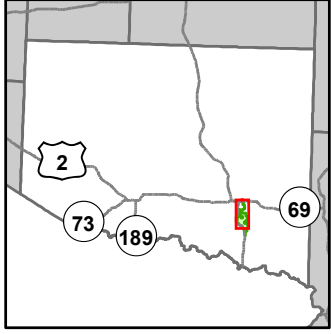


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
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- Snowmobile Trails
- Designated Bicycle Trails
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Boating Access Site
- City
- Cities
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub

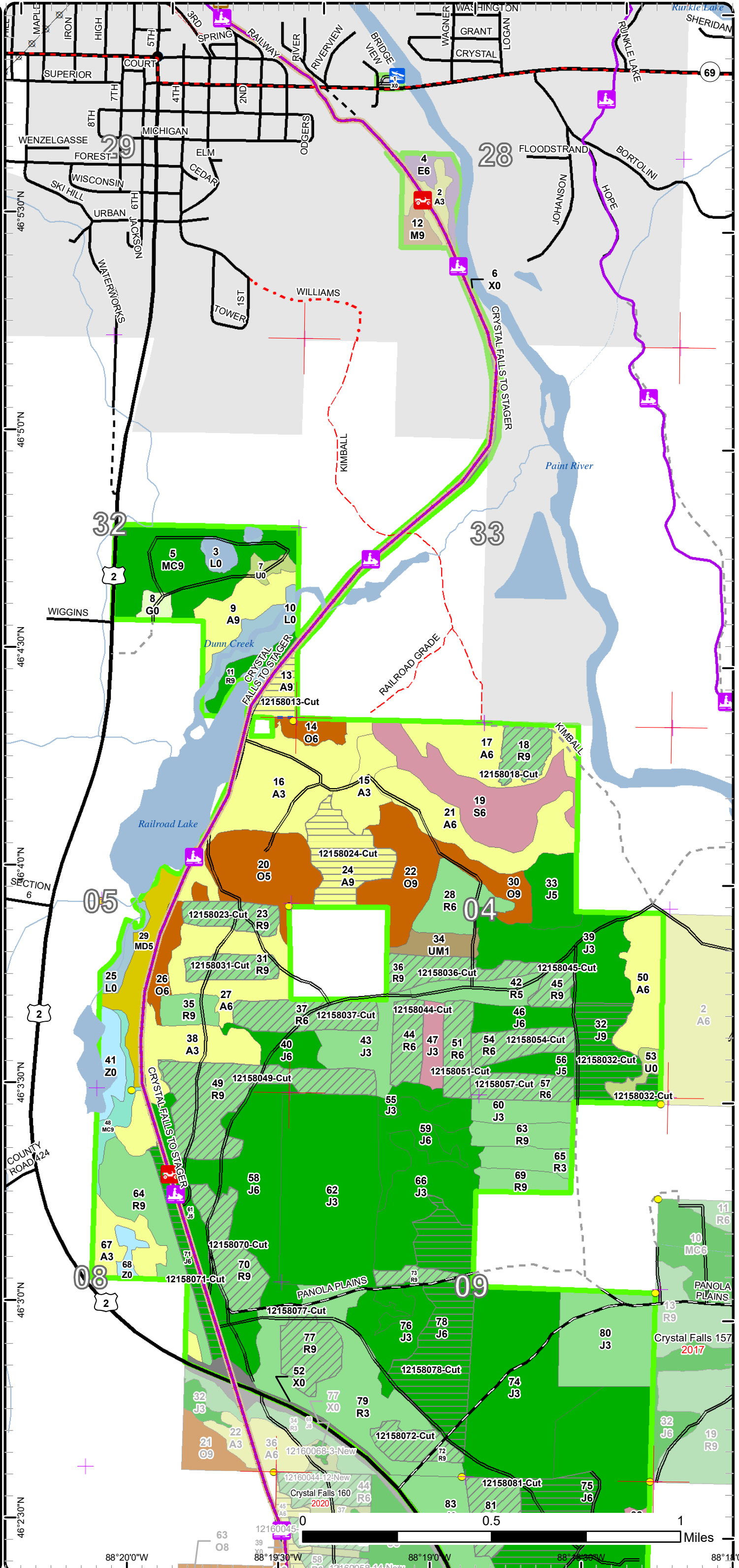


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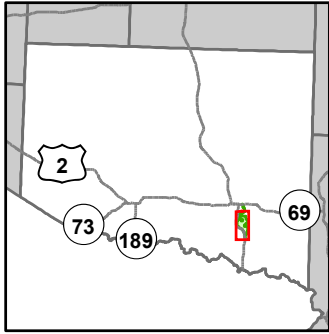
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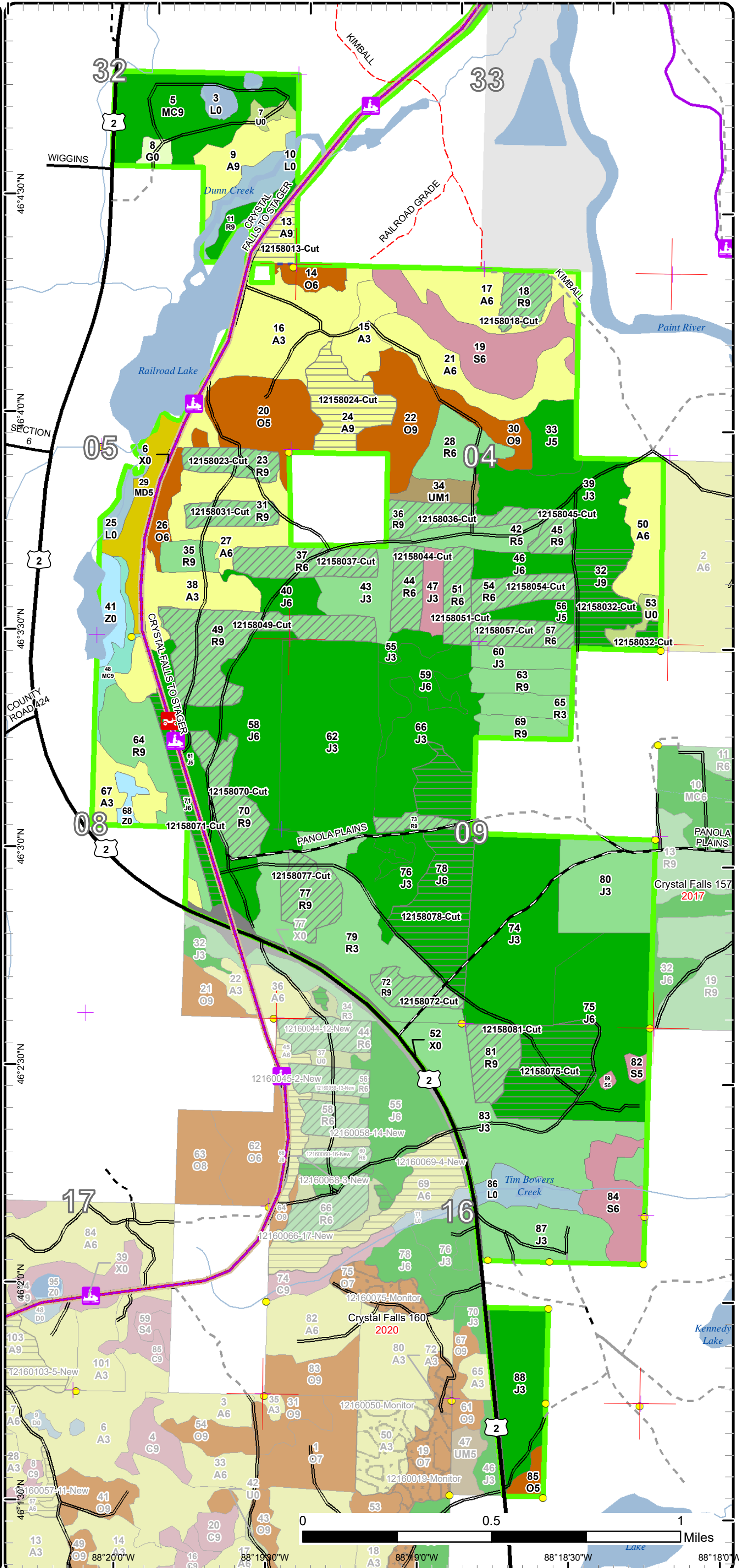
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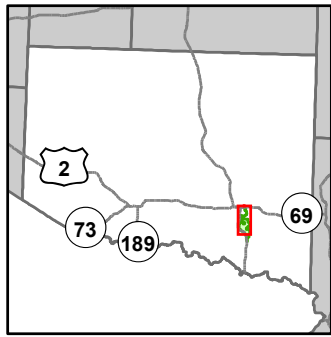


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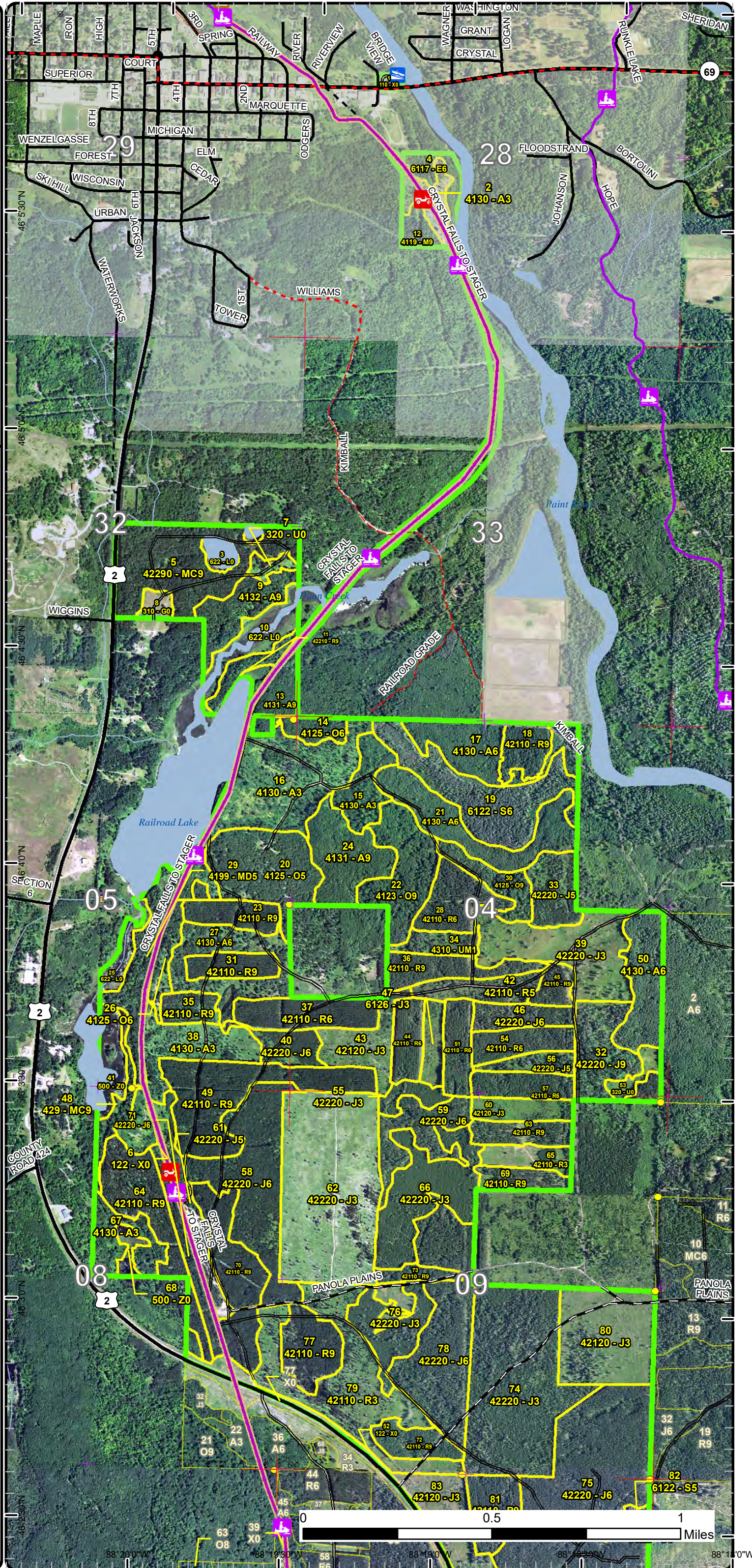


Stand Boundary Map

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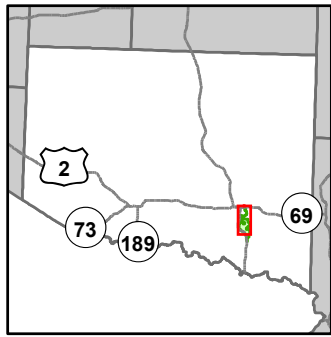


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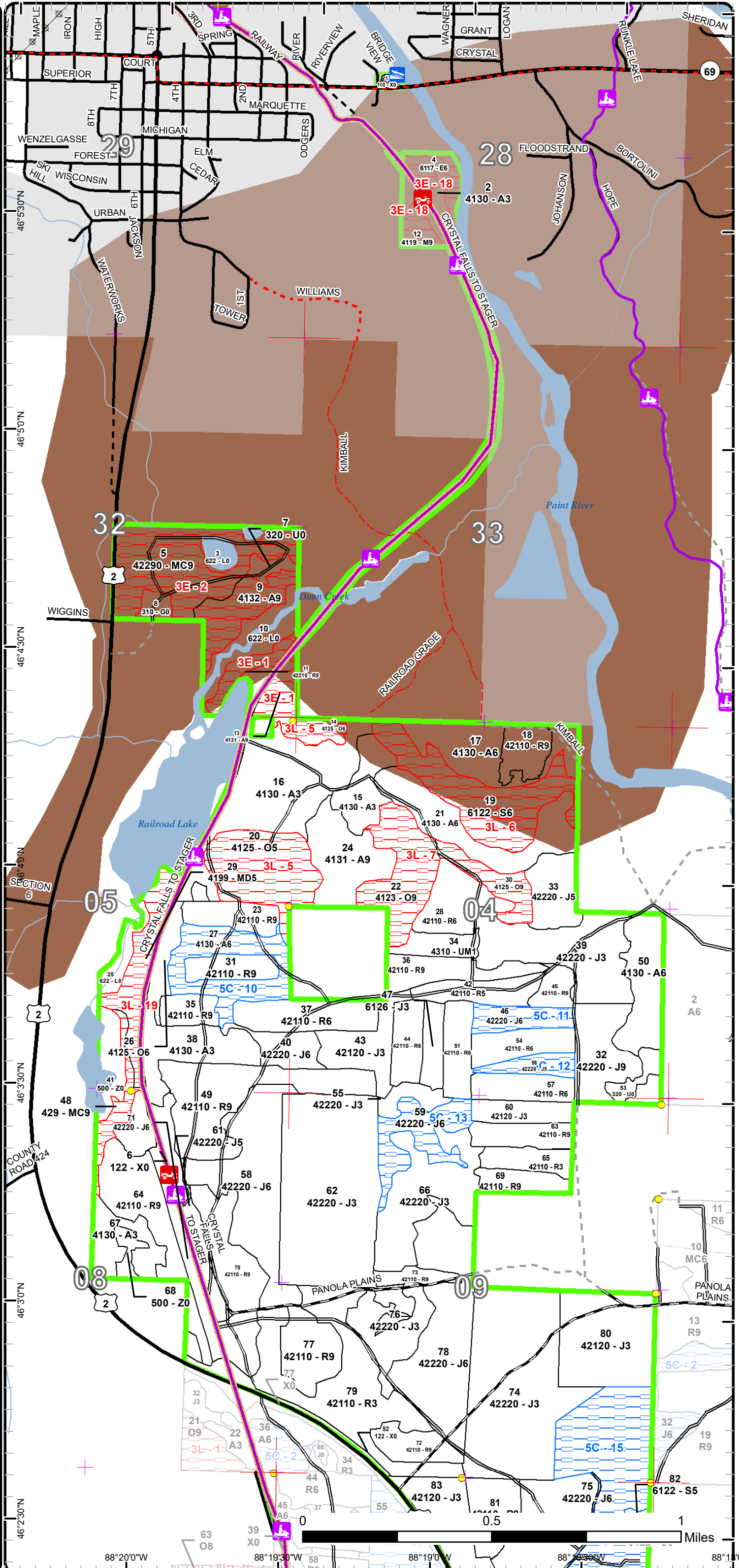


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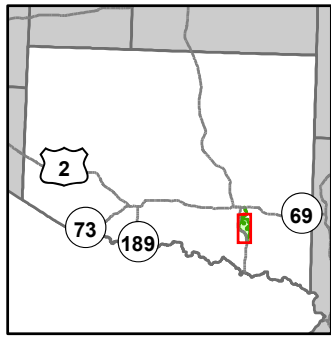


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Rail-Trail Corridor

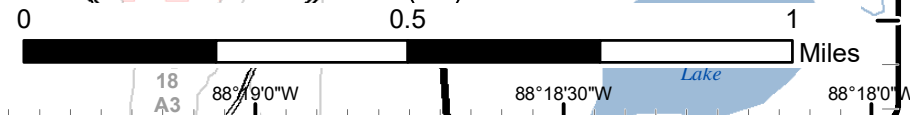
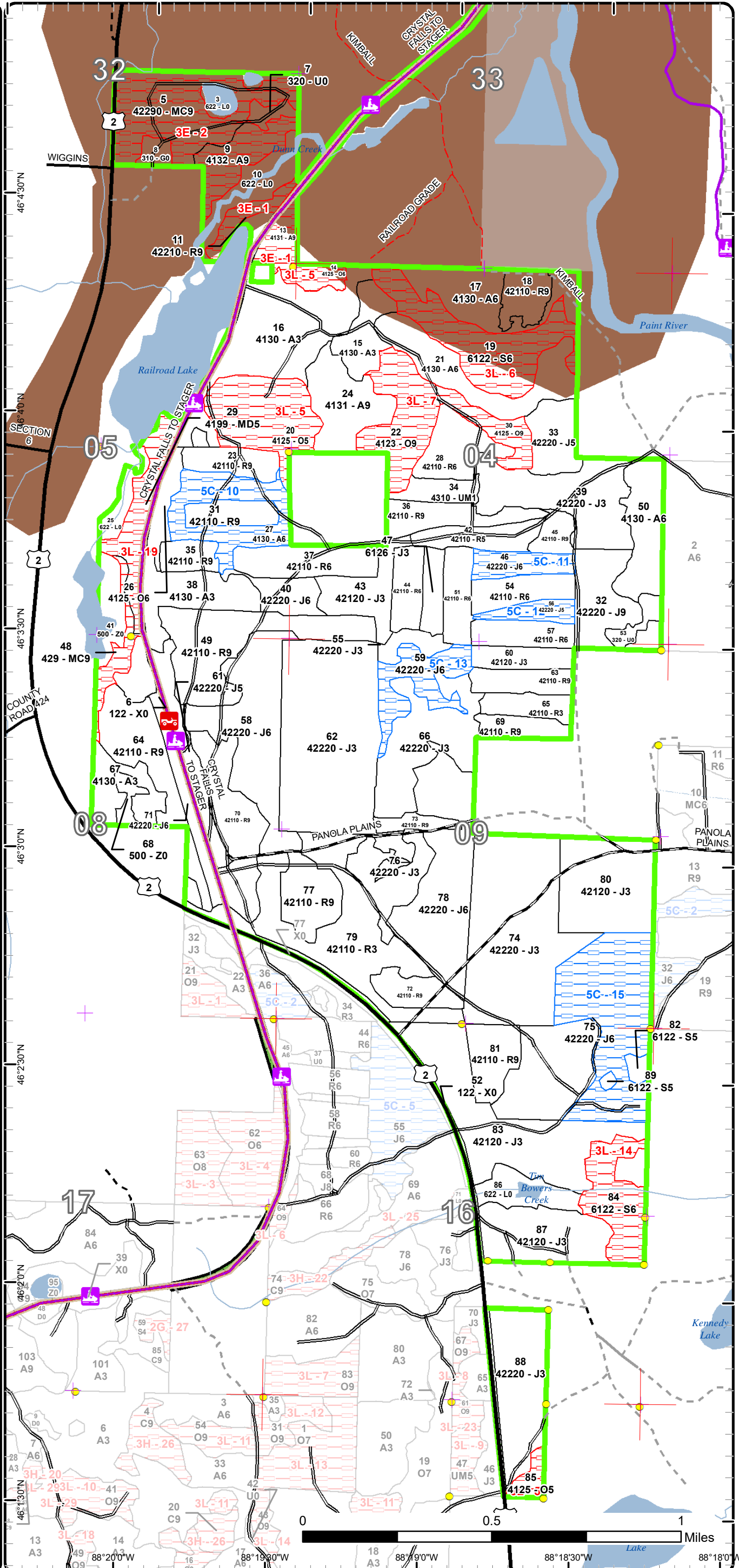


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Report 1 – Total Acres by Cover Type and Age Class



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	90	15	74	23	0	27	0	25	26	0	0	0	0	0	0	0	0	279
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	333	0	151	87	0	11	208	0	0	0	0	0	0	0	0	0	0	790
Lowland Deciduous	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Lowland Shrub	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Lowland Spruce/Fir	0	0	0	0	0	0	0	4	0	65	0	0	0	0	0	0	0	0	69
Mixed Upland Deciduous	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	23
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	49
Northern Hardwood	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Oak	0	0	0	0	0	0	0	14	0	75	7	0	0	0	0	0	0	0	96
Red Pine	0	65	0	0	0	0	0	322	0	0	7	0	0	0	0	0	0	0	394
Upland Conifers	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Water	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Total	120	488	15	233	110	0	38	571	25	239	14	0	0	0	0	0	0	0	1851



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2023

Acres of Harvest

Compartment 158
Total Compartment Acres: 1,852

Commercial Harvest - 383
Harvests with Site Condition - 8
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	34	0	0	0	0	0	0	0	0	34
Jack Pine	123	0	0	0	0	0	0	0	0	123
Red Pine	0	0	0	0	0	235	0	0	0	235
Total	157	0	0	0	0	235	0	0	0	391

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	391	0	0	0	0	0	0	0	0	391
Next Step	0	123	0	0	0	0	157	0	0	279
Total	391	123	0	0	0	0	157	0	0	671



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

13	12158013-Cut	8.3	4131 - Aspen, Oak	Sawtimber Well	83	111- 140	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
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Prescription Cut all aspen and maple 2" DBH or greater. Cut all spruce, balsam and birch with one or more pulpwood stick. No red or white pine or oak
Specs: will be cut.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mix of aspen, oak and pine.

Regen:

Other

Comment:

Site Condition Non-Military Lease/Easement

Proposed Start Date: 10/1 /2022

18	12158018-Cut	11.0	42110 - Planted Red Pine	Sawtimber Well	62	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

23	12158023-Cut	11.5	42110 - Planted Red Pine	Sawtimber Well	62	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine to 120 BA. Leave all white pine and oak.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24 12158024-Cut	25.3	4131 - Aspen, Oak	Sawtimber Well	71	111- 140	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
<u>Prescription</u> Cut all aspen and maple with one or more pulpwood stick. Cut all paper birch with three sticks or more. Cut all spruce and balsam with two <u>Specs:</u> or more pulpwood sticks. No oak or pine will be cut.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>										
<u>Acceptable</u> Mix of aspen, oak and pine. <u>Regen:</u>										
<u>Other</u> <u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
31 12158031-Cut	10.1	42110 - Planted Red Pine	Sawtimber Well	62	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Thin red pine to 120 BA. Leave all oak. <u>Specs:</u>										
<u>Next Step</u> <u>Treatments:</u>										
<u>Acceptable</u> <u>Regen:</u>										
<u>Other</u> <u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
32 12158032-Cut	25.2	42220 - Natural Jack Pine	Sawtimber Well	66	81-110	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<u>Prescription</u> Cut all jack pine, aspen and maple with one or more pulpwood stick. Cut all spruce, balsam and birch with two or more pulpwood sticks. No <u>Specs:</u> red or white pine or oak will be cut. Leave all cherry that are two stick or less.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification <u>Treatments:</u>										
<u>Acceptable</u> Mix of jack pine, aspen and oak. <u>Regen:</u>										
<u>Other</u> <u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
36 12158036-Cut	15.3	42110 - Planted Red Pine	Sawtimber Well	62	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Thin red pine to 120 BA. <u>Specs:</u>										
<u>Next Step</u> <u>Treatments:</u>										
<u>Acceptable</u> <u>Regen:</u>										
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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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37	12158037-Cut	19.8	42110 - Planted Red Pine	Poletimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

44	12158044-Cut	11.3	42110 - Planted Red Pine	Poletimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

45	12158045-Cut	6.6	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

49	12158049-Cut	42.0	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	--------------------------	----------------	----	---------	---------	----------------	-------------------------	-----------	----

Prescription Thin red pine to 120 BA. Leave all oak and white pine. Leave all cherry two stick or less.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

51	12158051-Cut	12.4	42110 - Planted Red Pine	Poletimber Well	62	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	-----------------------------	--------------------	----	-------------	---------	------------------------	----------------------------	-----------	----

Prescription Cut every third row of red pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

54	12158054-Cut	13.2	42110 - Planted Red Pine	Poletimber Well	62	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	-----------------------------	--------------------	----	-------------	---------	------------------------	----------------------------	-----------	----

Prescription Cut every third row of red pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

57	12158057-Cut	12.1	42110 - Planted Red Pine	Poletimber Well	62	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	-----------------------------	--------------------	----	-------------	---------	------------------------	----------------------------	-----------	----

Prescription Cut every third row of red pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

70	12158070-Cut	20.7	42110 - Planted Red Pine	Sawtimber Well	62	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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71	12158071-Cut	10.9	42220 - Natural Jack Pine	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
----	--------------	------	---------------------------	-----------------	----	-------	---------	-------------------------	---------------------------	-----------	----

Prescription Cut all jack pine, aspen and maple with one or more pulpwood stick. No red or white pine or oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification

Treatments:

Acceptable Jack pine 600 stems per acre or more.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

72	12158072-Cut	11.1	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	------	--------------------------	----------------	----	---------	---------	----------------	-------------------------	-----------	----

Prescription Thin red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

73	12158073-Cut	5.2	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
----	--------------	-----	--------------------------	----------------	----	---------	---------	----------------	-------------------------	-----------	----

Prescription Mark red pine to 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

75	12158075-Cut	33.8	42220 - Natural Jack Pine	Poletimber Well	62	111-140	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
----	--------------	------	---------------------------	-----------------	----	---------	---------	-------------------------	---------------------------	-----------	----

Prescription Cut all jack pine, maple and aspen with one or more pulpwood stick. Cut all cherry with three or more pulpwood sticks. No oak, red pine or white pine will be cut.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification

Treatments:

Acceptable Jack pine 600 stems an acre or more.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

S
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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
77 12158077-Cut	17.6	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Mark red pine to 120 BA. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										
78 12158078-Cut	53.0	42220 - Natural Jack Pine	Poletimber Well	63	111-140	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<u>Prescription</u> Cut all jack pine and aspen with one or more pulpwood stick. Cut cherry, maple and birch with three or more pulpwood sticks. No red or white pine or oak will be cut. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> Jack pine at 600 stems per acre or more. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										
81 12158081-Cut	15.0	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Thin to 120 BA. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										

Total Treatment 391.4
Acreage Proposed:

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 158

Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		5C	3E	3L
280	226	27	26	Aspen	27	26	
4	4	0	0	Herbaceous Openland			
790	694	96	0	Jack Pine	96		
9	0	0	9	Lowland Deciduous		9	
42	42	0	0	Lowland Shrub			
69	4	0	65	Lowland Spruce/Fir			65
23	0	0	23	Mixed Upland Deciduous			23
49	0	0	49	Natural Mixed Pines		49	
6	0	0	6	Northern Hardwood		6	
96	9	0	87	Oak			87
395	387	0	7	Red Pine		7	
9	0	0	9	Upland Conifers			9
8	8	0	0	Upland Mixed Forest			
9	9	0	0	Upland Shrub			
49	49	0	0	Urban			
15	15	0	0	Water			
1,852	1,448	124	280	Total Forested Acres	124	97	183
	78%	7%	15%	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
1	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Undivided interest.							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Compartment: 158

Scott Sebero : Examiner

Year of Entry: 2023

2	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	67	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments: Undivided interest.							
5	Unavailable	3L: Other wildlife concerns	47	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments:							
6	Unavailable	3L: Other wildlife concerns	41	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments:							
7	Unavailable	3L: Other wildlife concerns	40	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
 Scott Sebero : Examiner

Compartment: 158
 Year of Entry: 2023

12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3L: Other wildlife concerns	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Undivided interest.							
19	Unavailable	3L: Other wildlife concerns	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – 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 6 – 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 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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
1	110 - Low Intensity Urban	Nonstocked	1.5		Unspecified	No																																																
2	4130 - Aspen	Sapling Well	8.4	6	Immature	N/A	Stand was cut under the name of Bob's aspen, sale number 12-057-15-01																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	100	Sapling	1	6	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Leatherwood</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Hazelnut (American)</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Leatherwood	Low	< 5 feet	Tall Shrub	Hazelnut (American)	Low	< 5 feet	Tall Shrub																													
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Leatherwood	Low	< 5 feet	Tall Shrub																																																			
Hazelnut (American)	Low	< 5 feet	Tall Shrub																																																			
3	622 - Lowland Shrub	Nonstocked	4.7		Unspecified	No																																																
4	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	8.6	80	81-110	N/A	Undivided interest.																																															
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Sub-Canopy Species	Density	Avg. Height	Size																																																			
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																			
5	42290 - Natural Mixed Pine	Sawtimber Well	49.0	85	171-200	N/A	Undivided interest.																																															
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Canopy Species	% Cover	Size Class	DBH	Age																																																		
Quaking Aspen	10	Log/Pole	10																																																			
Balsam Fir	5	Log/Pole/Sap	10																																																			
White Spruce	5	Log/Pole/Sap	12																																																			
White Pine	5	Log/XLog/Pole	16																																																			
Red Pine	45	Log/XLog/Pole	16	85																																																		
Jack Pine	30	Log/Pole/Sap	12	85																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Low	Variable	Sapling																																																			
Red Pine	Low	Variable	Sapling																																																			
6	122 - Road/Parking Lot	Nonstocked	33.7		Unspecified	No	Rec. Trail.																																															
7	320 - Upland Shrub	Nonstocked	3.7		Unspecified	No																																																
8	310 - Herbaceous Openland	Nonstocked	3.9		Unspecified	No	Mowed field.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
9	4132 - Aspen, Jack Pine	Sawtimber Well	18.1	85	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		30	Log/Pole	10	85	Northern Pin Oak	Low	Variable	Sapling
Bigtooth Aspen		40	Log/Pole	10	85	Balsam Fir	Low	Variable	Sapling
Red Pine		10	Log/Pole/Sap	12		White Pine	Low	Variable	Sapling
Jack Pine		20	Log/Pole/Sap	10		Red Pine	Low	Variable	Sapling
10	622 - Lowland Shrub	Nonstocked	17.9		Unspecified	No	Stand contains Dunn Creek.		
11	42210 - Natural Red Pine	Sawtimber Well	7.3	91	81-110	N/A	Buffer for Railroad Lake. Undivided interest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Log/Pole/Sap	10		Balsam Fir	Low	Variable	Sapling
Paper Birch		5	Log/Pole	10		Hazelnut (American)	Low	< 5 feet	Tall Shrub
Quaking Aspen		20	Log/Pole	10					
Black Spruce		5	Pole/Sap/Log	8					
Red Pine		60	Log/Pole/Sap	12	91				
12	4119 - Mixed Northern Hardwoods	Sawtimber Well	5.5	80	111-140	N/A	Undivided interest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		10	Pole/Sap/Log	8		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Red Maple		30	Log/Pole/Sap	10	80				
Sugar Maple		40	Log/Pole/Sap	10	80				
Basswood		10	Log/Pole	12					
Bigtooth Aspen		10	Log/Pole/Sap	12					
13	4131 - Aspen, Oak	Sawtimber Well	8.3	83	111-140	N/A	Undivided interest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole/Sap/Log	10	83	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		40	Pole/Log	10	83				
Bigtooth Aspen		35	Pole/Log	10	83				
Northern Pin Oak		20	Pole/Sap/Log	8	83				
14	4125 - Black, N. Pin Oak	Poletimber Well	7.0	91	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak		100	Pole/Sap/Log	8	91	Hazelnut (American)	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
15	4130 - Aspen	Sapling Well	14.5	18	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		95	Sapling	3	18	Sugar Maple	Low	Variable	Sapling
Red Oak		5	Log/Pole/Sap	10		Red Oak	Low	Variable	Sapling
						Jack Pine	Low	Variable	Sapling
						Hazelnut (American)	Low	< 5 feet	Tall Shrub
16	4130 - Aspen	Sapling Well	51.9	6	Immature	N/A	Sale #75-13 Boxcar Aspen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		5	Sapling/Pole	2		Hazelnut (American)	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		90	Sapling	1	6				
White Pine		5	Log/Pole/Sap	12					
17	4130 - Aspen	Poletimber Well	25.9	26	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		100	Pole/Sapling	5	26	Red Maple	Low	Variable	Sapling
						Balsam Fir	Low	Variable	Sapling
						Hazelnut (American)	Medium	< 5 feet	Tall Shrub
18	42110 - Planted Red Pine	Sawtimber Well	11.0	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole/Sap	10	62	Quaking Aspen	Low	5 - 10 feet	Sapling
						Northern Pin Oak	Low	Variable	Sapling
19	6122 - Black Spruce	Poletimber Well	40.9	83	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		50	Pole/Log/Sap	8	83	Balsam Fir	Low	Variable	Sapling
Northern White Cedar		30	Log/Pole	10	83	Dogwood (spp.)	Low	< 5 feet	Tall Shrub
Tamarack		15	Log/Pole/Sap	10					
Black Ash		5	Pole/Log/Sap	8					
20	4125 - Black, N. Pin Oak	Poletimber Medium	34.7	83	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak		100	Pole/Sap/Log	8	83	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
						Hazelnut (American)	Low	< 5 feet	Tall Shrub
21	4130 - Aspen	Poletimber Well	31.2	27	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Sapling/Pole	4		Northern Pin Oak	Low	Variable	Sapling
Quaking Aspen		95	Pole/Sapling	5	27	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
22	4123 - Red Oak	Sawtimber Well	28.4	80	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		80	Log/Pole/Sap	10	80	Red Maple	Low	Variable	Sapling
Northern Pin Oak		20	Pole/Log/Sap	10	71	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
						Quaking Aspen	High	10 - 20 feet	Sapling
23	42110 - Planted Red Pine	Sawtimber Well	11.5	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole/Sapling	10	62	Quaking Aspen	Low	5 - 10 feet	Sapling
Jack Pine		5	Pole/Sapling	8	62	Northern Pin Oak	Low	Variable	Sapling
24	4131 - Aspen, Oak	Sawtimber Well	25.3	71	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		45	Log/Pole	10	71	White Pine	Low	10 - 20 feet	Sapling
Red Oak		30	Log/Pole/Sap	10	71	Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen		10	Log/Pole	10	71				
Red Maple		10	Pole/Log/Sap	8					
Paper Birch		5	Pole/Log	8					
25	622 - Lowland Shrub	Nonstocked	6.7		Unspecified	No			
26	4125 - Black, N. Pin Oak	Poletimber Well	9.3	60	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		20	Pole/Log/Sap	8	60	Red Pine	Low	Variable	Sapling
Northern Pin Oak		60	Pole/Log/Sap	8	60	Hazelnut (American)	Low	Variable	Tall Shrub
Jack Pine		20	Pole/Sap/Log	8	60				
27	4130 - Aspen	Poletimber Well	27.3	50	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		80	Pole/Log/Sap	8	50	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		10	Pole/Sap/Log	8		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak		10	Pole/Sap/Log	8					
28	42110 - Planted Red Pine	Poletimber Well	17.7	62	81-110	N/A	Harvested 2013- Row thinning. Retained white pine and oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak		5	Log/Pole/Sap	10		Hazelnut (American)	Low	< 5 feet	Tall Shrub
Red Pine		95	Log/Pole/Sap	10	62				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 4199 - Other Mixed Upland Deciduous Poletimber Medium 22.6 60 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log/Sap	8		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole/Log	8					
Quaking Aspen	20	Log/Pole	10					
Bigtooth Aspen	5	Log/Pole/Sap	10					
Northern Pin Oak	50	Pole/Sap/Log	8	60				
Red Pine	5	Log/Pole/Sap	10					
Jack Pine	5	Log/Pole/Sap	10					

30 4125 - Black, N. Pin Oak Sawtimber Well 11.9 83 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole/Sap	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Red Oak	10	Log/Pole/Sap	10	83	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	25	Log/Pole/Sap	10					
Northern Pin Oak	50	Log/Pole/Sap	10	83				
Jack Pine	5	Log/Pole/Sap	10					

31 42110 - Planted Red Pine Sawtimber Well 10.1 62 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	95	Pole/Sapling	10	62	Quaking Aspen	Low	5 - 10 feet	Sapling
Jack Pine	5	Pole/Sapling	8	62	Northern Pin Oak	Low	Variable	Sapling

32 42220 - Natural Jack Pine Sawtimber Well 25.2 66 81-110 N/A Stand starting to break up.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	75	Log/Pole/Sap	10	66	Hazelnut (American)	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	25	Pole/Log/Sap	8					

33 42220 - Natural Jack Pine Poletimber Medium 15.4 36 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole/Sapling	5	36	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak	5	Pole/Sap/Log	8					
Jack Pine	85	Pole/Sapling	5	36				
Black Cherry	5	Pole/Sapling	6					

34 4310 - Pine, Oak Mix Sapling Poor 8.2 20 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling/Pole	3	
Black Cherry	5	Sapling/Pole	3	
Northern Pin Oak	30	Sapling/Pole	4	
Jack Pine	55	Sapling/Pole	4	20



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																							
35	42110 - Planted Red Pine	Sawtimber Well	7.9	62	111-140	N/A	Thinned 2014- Removed every third row; jack pine and aspen over 6-inches at stump.																							
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37	42110 - Planted Red Pine	Poletimber Well	19.8	62	141-170	N/A																								
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39	42220 - Natural Jack Pine	Sapling Well	39.8	6	Immature	N/A	Harvested 2014- Jack pine regeneration cut; scarified 2015. Retained red pine, white pine and oak.																							
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41	500 - Water	Nonstocked	11.5		Unspecified	No	Beaver Pond.																							
42	42110 - Planted Red Pine	Poletimber Medium	13.0	62	1-50	N/A																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
43	42120 - Planted Jack Pine	Sapling Well	17.7	7	Immature	N/A	Planted 5/4/14 with 2-0 jack pine, MI-0313. Soil moisture at time of planting was excellent.																																														
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46	42220 - Natural Jack Pine	Poletimber Well	10.9	63	81-110	N/A	Pockets of younger jack pine filling into gaps. Hold 10 years to allow younger trees to become merchantable. Older trees are in good shape.																																														
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47	6126 - Lowland Jack Pine	Sapling Well	8.0	7	Immature	N/A	Planted 5/4/14 with 2-0 jack pine, MI-0313. Soil moisture at time of planting was excellent.																																														
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48	429 - Mixed Upland Conifers	Sawtimber Well	8.5	83	81-110	N/A	Buffer on pond.																																														
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49	42110 - Planted Red Pine	Sawtimber Well	42.3	62	141-170	N/A																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
50	4130 - Aspen	Poletimber Well	22.8	38	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		90	Pole/Sapling	6	38	Northern Pin Oak	Low	Variable	Sapling
Red Maple		5	Pole/Sapling	6		Hazelnut (American)	Low	< 5 feet	Tall Shrub
Jack Pine		5	Pole/Sapling	6					
51	42110 - Planted Red Pine	Poletimber Well	12.4	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole/Log/Sap	8	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Pole/Sapling	8	62				
52	122 - Road/Parking Lot	Nonstocked	14.3		Unspecified	No	HWY. U.S. 2		
53	320 - Upland Shrub	Nonstocked	5.2		Unspecified	No	Small pond in NE portion of stand.		
54	42110 - Planted Red Pine	Poletimber Well	13.2	62	141-170	N/A	Not previously thinned.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole/Log/Sap	8	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Pole/Sapling	8	62				
55	42220 - Natural Jack Pine	Sapling Well	6.2	26	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Sapling	8	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		95	Sapling/Pole	4	26				
56	42220 - Natural Jack Pine	Poletimber Medium	7.4	63	51-80	N/A	Pockets of younger jack pine filling into gaps. Hold 10 years to allow younger trees to become merchantable. Older trees are in good shape.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		10	Pole/Sap/Log	6		Red Oak	Low	Variable	Sapling
Jack Pine		90	Pole/Sap/Log	8	63				
57	42110 - Planted Red Pine	Poletimber Well	12.1	62	141-170	N/A	Not previously thinned.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole/Log/Sap	8	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Pole/Sapling	8	62				
58	42220 - Natural Jack Pine	Poletimber Well	56.6	39	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Sapling	8	50	Quaking Aspen	Low	5 - 10 feet	Sapling
Jack Pine		95	Pole/Sapling	5	39				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																													
59	42220 - Natural Jack Pine	Poletimber Well	19.9	63	81-110	N/A	In good shape. Hold for 10 years.																													
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60	42120 - Planted Jack Pine	Sapling Well	10.2	7	Immature	N/A	Planted 5/4/14 with 2-0 jack pine MI-0313. Soil moisture at time of planting was excellent.																													
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61	42220 - Natural Jack Pine	Poletimber Medium	14.5	30	1-50	N/A	Pockets of older jack pine mixed in.																													
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62	42220 - Natural Jack Pine	Sapling Well	87.8	6	Immature	N/A	Harvested 2014- Jack pine regeneration cut; Retain oak, red pine and white pine. Scarified 2015.																													
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66	42220 - Natural Jack Pine	Sapling Well	36.9	26	Immature	N/A																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
67	4130 - Aspen	Sapling Well	16.8	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		95	Sapling/Pole	4	27	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Sapling	3	27	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
68	500 - Water	Nonstocked	3.9		Unspecified	No	Ponds.		
69	42110 - Planted Red Pine	Sawtimber Well	8.8	62	111-140	N/A	Thinned 2014- Retained oak and white pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole/Log/Sap	10	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Sapling/Pole	4	62				
70	42110 - Planted Red Pine	Sawtimber Well	20.7	62	141-170	N/A	Pocket of J6 along road will be cut with red pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Log/Pole/Sap	10	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		5	Pole/Sapling	8	62	Hazelnut (American)	Low	< 5 feet	Tall Shrub
71	42220 - Natural Jack Pine	Poletimber Well	10.9	50	51-80	N/A	Stand has some damage from heavy, wet snow in 2020. Lots of trees leaned over. Pockets of younger jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		15	Pole/Log/Sap	8		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak		5	Pole/Sap/Log	8		Hazelnut (American)	Low	Variable	Tall Shrub
Red Pine		5	Log/Pole/Sap	10					
Jack Pine		70	Pole/Log/Sap	8	50				
Red Maple		5	Pole/Log/Sap	8					
72	42110 - Planted Red Pine	Sawtimber Well	11.1	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Log/Pole/Sap	10	62	Black Spruce	Low	Variable	Sapling
Jack Pine		5	Pole/Sapling	8	62				
73	42110 - Planted Red Pine	Sawtimber Well	5.2	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole/Sap	10	62	Black Spruce	Low	Variable	Sapling
						Jack Pine	Low	5 - 10 feet	Sapling
74	42220 - Natural Jack Pine	Sapling Well	78.9	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Sap/Log	8		Quaking Aspen	Low	5 - 10 feet	Sapling
Jack Pine		95	Sapling/Pole	4	27	Northern Pin Oak	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
75	42220 - Natural Jack Pine	Poletimber Well	91.9	62	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole/Log/Sap	8	62	Northern Pin Oak	Low	10 - 20 feet	Sapling
76	42220 - Natural Jack Pine	Sapling Well	18.6	26	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Sapling	8	62	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		95	Sapling/Pole	4	26				
77	42110 - Planted Red Pine	Sawtimber Well	17.6	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Log/Pole/Sap	10	62	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Jack Pine		5	Pole/Log/Sap	8	62				
78	42220 - Natural Jack Pine	Poletimber Well	53.0	63	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Sapling	8	63	Northern Pin Oak	Low	Variable	Sapling
Jack Pine		95	Pole/Sapling	8	63				
79	42110 - Planted Red Pine	Sapling Well	55.6	7	Immature	N/A	Planted 5/3/14 with 2-0 red pine (MI-0276).		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		90	Sapling/Pole	1	7	Red Oak	Low	5 - 10 feet	Sapling
Jack Pine		10	Sapling/Pole	2		Cherry (spp.)	Low	5 - 10 feet	Sapling
80	42120 - Planted Jack Pine	Sapling Well	40.3	7	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		95	Sapling	1	7	Red Oak	Low	5 - 10 feet	Sapling
Red Pine		5	Log/Pole/Sap	10					
81	42110 - Planted Red Pine	Sawtimber Well	15.0	62	141-170	N/A	OPIC - FMD: RED PINE PLANTATION THINNED IN 2002.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95	Log/Pole/Sap	10	62	Quaking Aspen	Low	10 - 20 feet	Sapling
Jack Pine		5	Pole/Log/Sap	8					
82	6122 - Black Spruce	Poletimber Medium	2.6	60	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		70	Pole/Log/Sap	8	60	Tag Alder	Low	5 - 10 feet	Tall Shrub
Tamarack		20	Pole/Log/Sap	8					
Balsam Fir		5	Pole/Sap/Log	8					
Quaking Aspen		5	Pole/Log/Sap	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
83	42120 - Planted Jack Pine	Sapling Well	63.1	6	Immature	N/A																																		
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84	6122 - Black Spruce	Poletimber Well	24.3	80	51-80	N/A																																		
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85	4125 - Black, N. Pin Oak	Poletimber Medium	4.9	60	51-80	N/A	OPIC - FMD: U1/8 INTEREST																																	
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86	622 - Lowland Shrub	Nonstocked	13.1		Unspecified	No	OPIC - FMD: UNDIVIDED 7/8 . Old beaver pond.																																	
87	42120 - Planted Jack Pine	Sapling Well	30.5	7	Immature	N/A	2018 TMS: Trenched and planted 2014. 2017 regen survey indicates a total of 799 seedlings/saplings per acre - about 755 JP and 44 RP/WP/oak. Overall this is a fully-stocked J3 now. TMS now closing this stand on FTP 12-396.																																	
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88	42220 - Natural Jack Pine	Sapling Well	35.3	7	Immature	N/A	2018 TMS: 2017 regen survey indicates 833 JP per acre plus about 50 WP/oak. Avg tree heights are about 1-2" with the volunteers running at 3-6'. TMS closing this stand off FTP 32-396. Stand should be considered fully stocked.																																	
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