



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12156

Entry Year 2019

Acreage: 1,117

County Iron

Management Area: Panola Plains

Revision Date: 2017-08-17

Stand Examiner: Scott Sebero

Legal Description:

T42N-R31W SECTION 6.

T42N-R32W SECTIONS 1 & 2.

T 43N-R32W SECTION 36

Identified Planning Goals:

Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain health of conifer types and increase acreage where possible. Develop buffers on lakes and streams. Maintain and improve road system.

Soil and topography:

Nearly level to rolling, excessively drained, sandy soils on outwash plains.

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

State lands mixed with company lands and private parcels. Lands used mainly for hunting and fishing.

Unique Natural Features:

Glidden Lake. Nearby Lake Mary, Michigamme River and Paint River.

Archeological, Historical, and Cultural Features:

Multiple compartments were determined to have no known archaeological sites within them; we have no concerns for these compartments: 10, 14, 30, 50, 70, 75, 93, 112, 116, 138, 142, 144, 156, 166, and 186.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Glidden Lake and Little Mud Lake are within this compartment. 100 foot buffers for these waterbodies. For all other riparian areas, BMPs should be followed to maintain canopy cover and prevent erosion into waterbodies.

Wildlife Habitat Considerations:

This compartment contains part of a DWC (deer wintering complex) that provides shelter and forage for deer in south Iron County. Featured species in this Management Area (Panola Plains MA) include; eastern bluebird, bear, grouse, woodcock and Kirtland warbler. Moose, eagles, osprey, herons, loons, turkeys, sandhill cranes and wolves all have been documented in this compartment. Management for deer winter cover, including transition zones, movement corridors and conifer component throughout the forage stands is critical in this compartment. Aspen age and stand size diversity are important management goals for deer, bear, grouse, woodcock and goshawks. The mature mixed pine component provides both winter cover for deer, and provides ideal habitat for black bears especially as refuge trees for cub rearing. Oak in the compartment provides most important for most of the featured species identified for this MA. Jack pine stands in the compartment provide potential habitat for Kirtland's warbler. This compartment also includes a series of intensely managed aspen stands of various age classes to provide grouse habitat. This area includes a hunter walking trail.

Mineral Resource and Development Concerns and/or Restrictions

The nearest gravel pits are located near Crystal Falls, but there may be some potential within the compartment. Abandoned iron mines are located one mile to the northwest. There may be potential for additional iron ore and other metallic minerals within the compartment. There has been metallic mineral leasing in this area in the past but there are no currently active leases. There is no economic oil and gas production in the UP.

Vehicle Access:

Access good on Lake Mary Road and connecting woods roads.

Survey Needs:

None.

Recreational Facilities and Opportunities:

Glidden Lake Campground and multi purpose recreational trails. Snowmobile trail runs through center of compartment.

Fire Protection:

Additional Compartment Information:

None.

The following reports from the Inventory are attached:

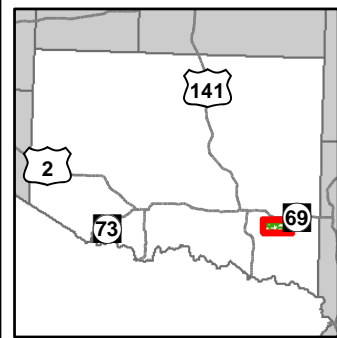
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

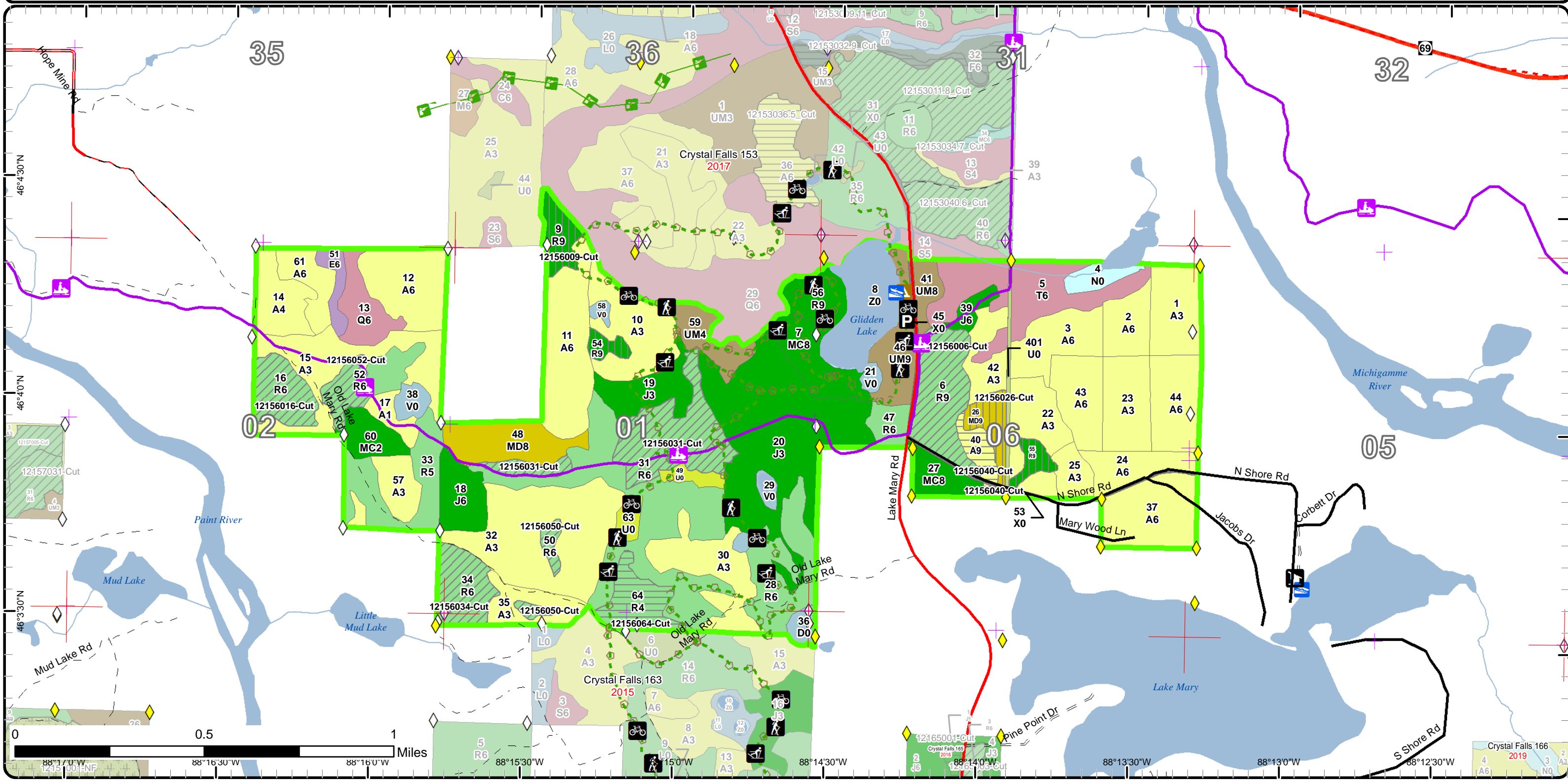
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

Cover Type & Treatments Map

Compartment: 156
 T43N, R32W, Sec. 36
 T42N, R32W, Sec. 1, 2, 11, 12
 T42N, R31W, Sec. 5-7
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Panola Plains
 YOE: 2019
 Acres: 1117.3 GIS Calculated
 Examiner: Scott Sebero
 Map Revised: 11/30/2017
 Map Phase: Post-Review

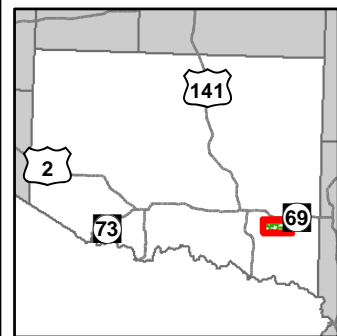


- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- ▭ Counties
- ♿ Toilet
- 🚤 Boating Access Site
- 🏕️ Campground
- P Parking Lot
- 🌟 Trailhead
- 🚲 Bike Trails
- 🚶 Hiking Trails
- 🛷 Ski Trails
- 🚙 Snowmobile Trails
- 👤 Designated Hunter Walking Trails
- 🚴 Designated Hiking Trails
- 🚲 Designated Bicycle Trails
- 🛷 Designated Ski Trails
- 👤 Designated Snowshoe Trails
- 🚙 Designated Snowmobile Trails
- 🛣️ Highway
- 🛣️ County Paved Roads
- 🛣️ Paved Roads
- 🛣️ County Gravel Roads
- 🛣️ Gravel Roads
- 🛣️ County Poor Dirt Roads
- 🛣️ Poor Dirt Roads
- 🌊 Streams
- 🌊 Lakes and Rivers All
- 📏 Compartment Boundary
- 📏 Clearcut (w/Reserves)
- 📏 Thinning (Crown, Low, Systematic)
- 📏 Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 🌊 Lakes

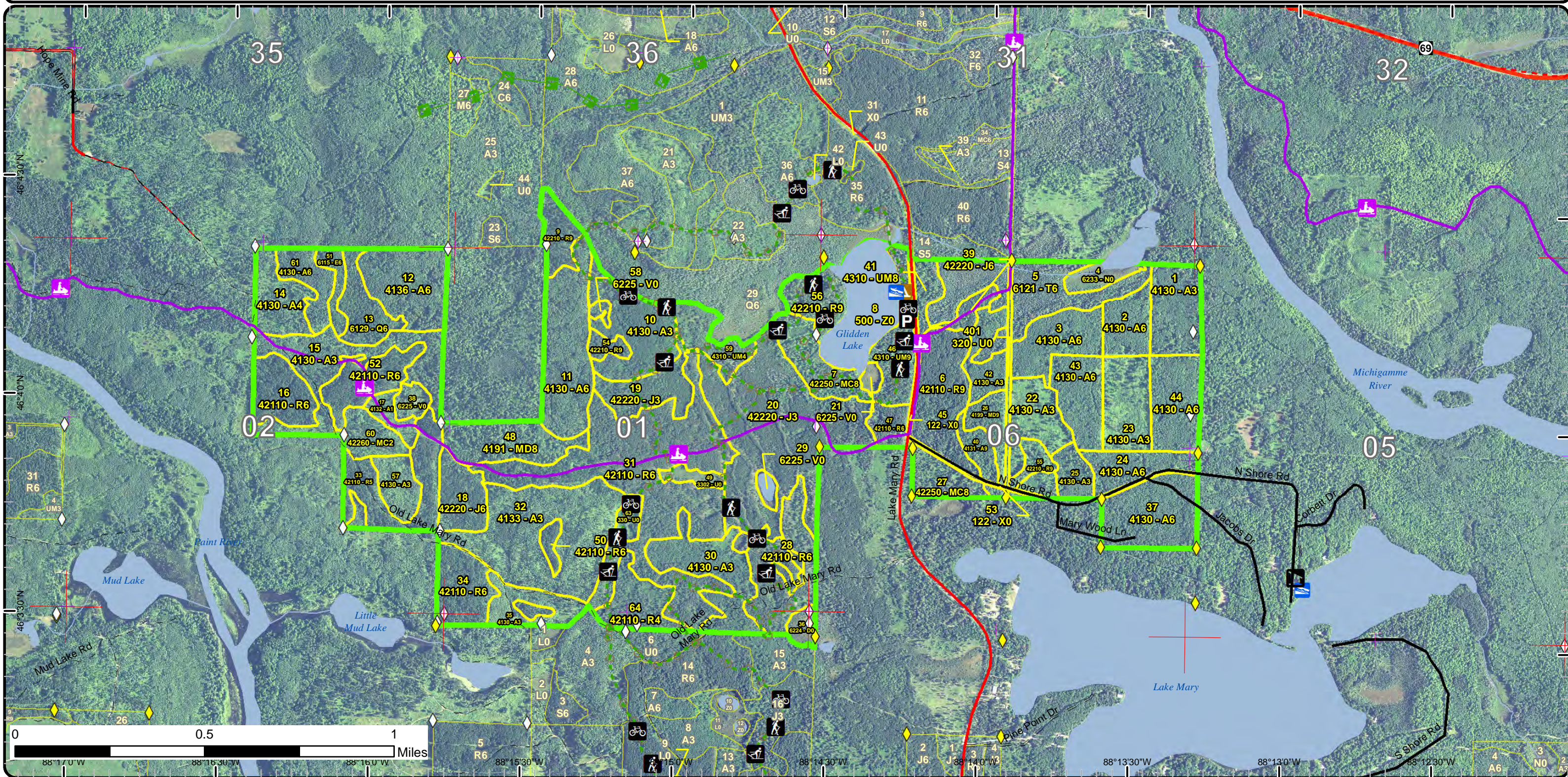


Stand Boundary Map

Compartment: 156
 T43N, R32W, Sec. 36
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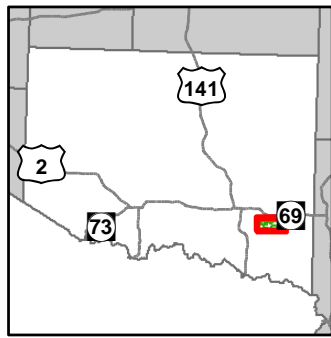


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- 🟡 Stand Boundaries
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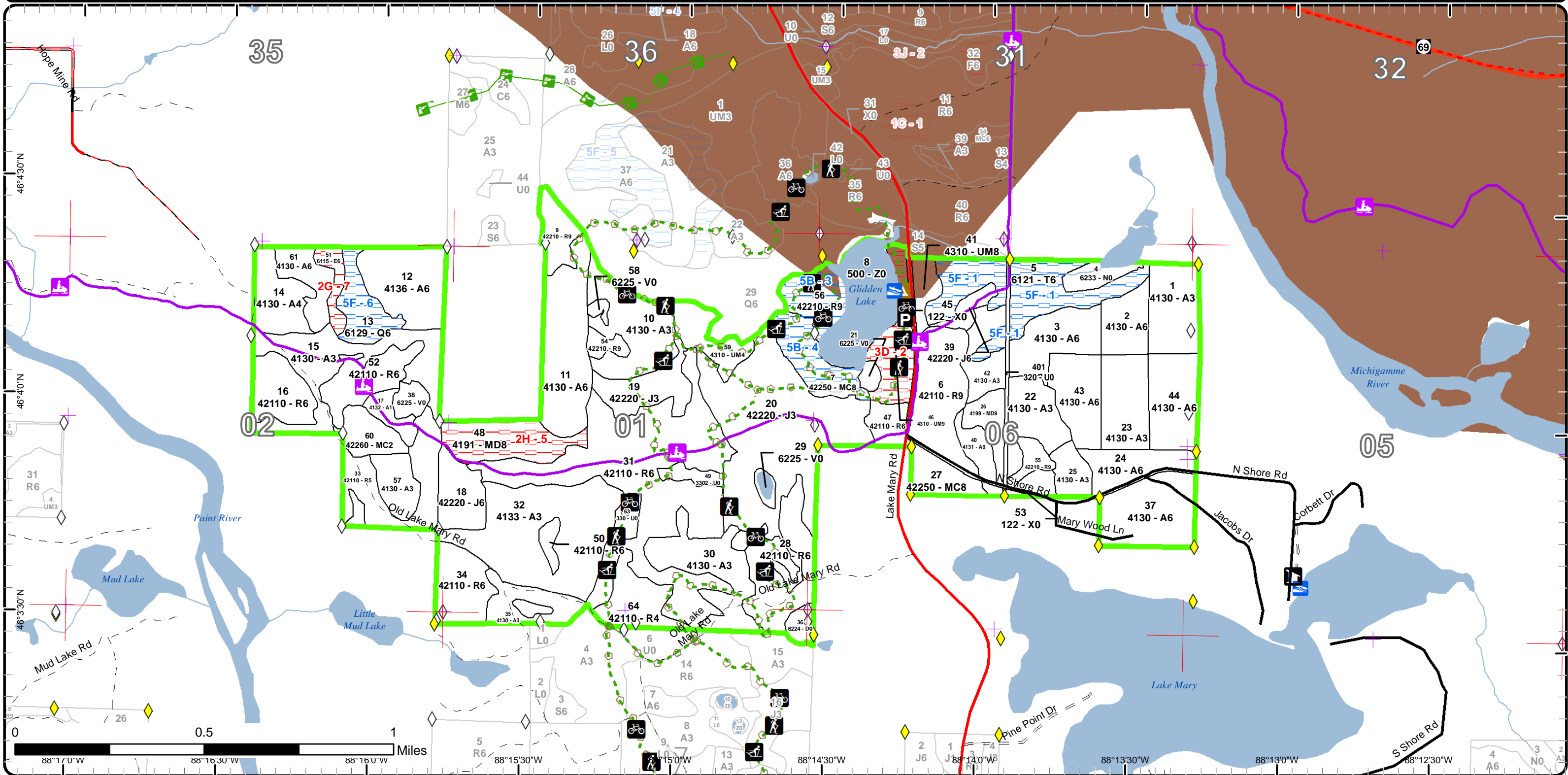


Special Conservation Areas & Site Conditions Map

Compartment: 156
 T43N, R32W, Sec. 36
 T42N, R32W, Sec. 1, 2, 11, 12
 T42N, R31W, Sec. 5-7
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- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



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	47	53	193	172	0	0	0	0	0	7	0	0	0	0	0	0	0	472
Bog	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	0	0	16	5	98	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Lowland Deciduous	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30
Natural Mixed Pines	0	0	0	10	0	0	0	11	0	0	17	0	0	0	0	0	0	0	38
Red Pine	0	0	0	0	0	0	80	178	0	0	33	0	0	0	0	0	0	0	291
Tamarack	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	40
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	13	0	0	7	0	18	0	0	0	0	0	0	0	0	37
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Total	71	47	69	208	283	0	80	196	0	64	101	0	0	0	0	0	0	0	1118



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 156
Total Compartment Acres: 1,117

Commercial Harvest - 165
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	7	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	0	0	0	9	0	0	0	0	9
Red Pine	16	0	0	0	18	114	0	0	0	149
Total	24	0	0	0	27	114	0	0	0	165

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	165	0	0	0	0	0	0	0	0	165
Next Step	0	43	16	0	0	16	7	0	0	83
Total	165	43	16	0	0	16	7	0	0	247



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	Approval Status
6	12156006-Cut	28.3	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Mark red pine to 100 BA. No Live oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Add snowmobile trail protection to sale specs.

Comment:

Proposed Start Date: 10/01/2018

9	12156009-Cut	9.8	42210 - Natural Red Pine	Sawtimber Well	90	111-140	Harvest	Shelterwood	42210 - Natural Red Pine	Two-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark red pine to retain 50 BA. Cut all other trees 2 " DBH or greater, except no white pine or oak will be cut.

Specs:

Next Step

SitePrep, Scarification

Treatments:

Acceptable Red pine.

Regen:

Other Summer harvest. Protect trail.

Comment:

Proposed Start Date: 10/01/2018

16	12156016-Cut	16.1	42110 - Planted Red Pine	Poletimber Well	54	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark red pine to 100 BA. No live oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Summer cut to avoid snowmobile season.

Comment:

Proposed Start Date: 10/01/2018

26	12156026-Cut	8.7	4199 - Other Mixed Upland Deciduous	Sawtimber Well	90	111-140	Harvest	Shelterwood	4221 - Natural Red Pine	Two-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark trees to leave 50 BA of red pine, oak and paper birch with large healthy crowns. Trees will be marked in clumps to allow for scarification around the clumps.

Specs:

Next Step

SitePrep, Scarification

Treatments:

Acceptable Mix of pine, oak and birch.

Regen:

Other Scarify after harvest.

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
31	12156031-Cut	38.3	42110 - Planted Red Pine	Poletimber Well	61	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No **Site Condition:**

Prescription Mark red pine to 100 BA. No live oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Summer cut to avoid snowmobile season. Protect trail.

Comment:

Proposed Start Date: 10/01/2018

34	12156034-Cut	17.5	42110 - Planted Red Pine	Poletimber Well	61	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Mark red pine to 100 BA. No white pine or oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

40	12156040-Cut	7.4	4131 - Aspen, Oak	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Cut all aspen and mixed hardwood, except oak, that are 2" DBH or greater. Cut all spruce and balsam with one or more pulpwood stick. No red or white pine or oak will be cut.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mix of aspen, hardwood and softwood.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

50	12156050-Cut	5.0	42110 - Planted Red Pine	Poletimber Well	54	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Mark red pine to 100 BA. Cut all aspen, maple, balsam and spruce with one or more pulpwood stick. No white pine or oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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	Approval Status
52	12156052-Cut	8.9	42110 - Planted Red Pine	Poletimber Well	61	111- 140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Mark red pine to 100 BA. No live oak will be cut.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Summer cut to avoid snowmobile season.

Comment:

Proposed Start Date: 10/01/2018

54	12156054-Cut	3.8	42210 - Natural Red Pine	Sawtimber Well	90	111- 140	Harvest	Shelterwood	42210 - Natural Red Pine	Two-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark red pine to retain 50 BA. Cut all other trees 2" DBH or greater, except no white pine or oak will be cut.

Specs:

Next Step SitePrep, Scarification

Treatments:

Acceptable Red pine.

Regen:

Other Summer cut to avoid snowmobile season.

Comment:

Proposed Start Date: 10/01/2018

55	12156055-Cut	4.7	42210 - Natural Red Pine	Sawtimber Well	90	111- 140	Harvest	Shelterwood	42210 - Natural Red Pine	Two-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark red pine to leave 50 BA. Mark trees in clumps to allow for scarifying around the clumps.

Specs:

Next Step SitePrep, Scarification

Treatments:

Acceptable Red pine.

Regen:

Other Scarify after harvest.

Comment:

Proposed Start Date: 10/01/2018

64	12156064-Cut	16.1	42110 - Planted Red Pine	Poletimber Poor	61	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" DBH or larger, except no white pine or oak will be cut.

Specs:

Next Step Pesticide, Skidder/Mechanical; SitePrep, Trenching; Planting, Initial Plant

Treatments:

Acceptable Red pine.

Regen:

Other Stand will be planted. Protect trail.

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 164.6**

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Scott Sebero : Examiner

Compartment: 156
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5B	5F	2G	2H	3D
473	473	0	0	Aspen					
13	13	0	0	Bog					
119	119	0	0	Jack Pine					
8	8	0	0	Low-Density Trees					
14	0	14	0	Lowland Conifers		14			
6	0	0	6	Lowland Deciduous			6		
7	7	0	0	Marsh					
30	9	0	21	Mixed Upland Deciduous				21	
38	21	17	0	Natural Mixed Pines	17				
291	277	15	0	Red Pine	15				
40	0	40	0	Tamarack		40			
4	4	0	0	Treed Bog					
37	20	0	18	Upland Mixed Forest					18
4	4	0	0	Upland Shrub					
7	7	0	0	Urban					
28	28	0	0	Water					
1,117	987	85	45	Total Forested Acres	32	54	6	21	18
	88%	8%	4%	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	Available	5F: Evaluated for Forest Health Considerations	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3D: Recreational / Scenic values	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Glidden Lake Campground.							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
 Scott Sebero : Examiner

Compartment: 156
 Year of Entry: 2019

3	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Aspen removed last entry. May treat next entry. Save for at least 10 years to shade out undesirable aspen.							
4	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Aspen and mature jack pine removed last entry. Current stand was left as residual because of ski trail.							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is on top a large rock.							
6	Available	5F: Evaluated for Forest Health Considerations	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	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	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	General Comments:
1	4130 - Aspen	Sapling Well	20.4	17	Immature	
2	4130 - Aspen	Poletimber Well	13.2	39	51-80	
3	4130 - Aspen	Poletimber Well	19.9	26	1-50	
5	6121 - Tamarack	Poletimber Well	39.8	80	51-80	
6	42110 - Planted Red Pine	Sawtimber Well	28.3	62	141-170	
7	42250 - Pine, Oak	Sawtimber Medium	17.1	90	1-50	Aspen and jack pine cut in 2011.
9	42210 - Natural Red Pine	Sawtimber Well	9.8	90	111-140	
10	4130 - Aspen	Sapling Well	27.5	25	Immature	
11	4130 - Aspen	Poletimber Well	36.2	37	51-80	
12	4136 - Aspen, Mixed Conifer	Poletimber Well	26.4	37	51-80	
13	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	13.8	92	81-110	
14	4130 - Aspen	Poletimber Poor	16.2	37	1-50	Aspen breaking up. Most aspen trees dead and fallen over. Should convert to pine.
15	4130 - Aspen	Sapling Well	34.3	23	Immature	
16	42110 - Planted Red Pine	Poletimber Well	16.1	54	141-170	
17	4132 - Aspen, Jack Pine	Sapling Poor	5.9	5	Immature	
18	42220 - Natural Jack Pine	Poletimber Well	14.3	34	1-50	
19	42220 - Natural Jack Pine	Sapling Well	16.3	17	Immature	
20	42220 - Natural Jack Pine	Sapling Well	83.2	34	1-50	LAKE MARY FIRE OF 1983. Stand has some narrow strips of larger red pine and jack pine poles.



S t a n d	Crystal Falls Mgt. Unit		Report 7 – Forested Stands			Compartment: 156 Year of Entry: 2019	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
22	4130 - Aspen	Sapling Well	21.2	6	Immature		
23	4130 - Aspen	Sapling Well	20.2	6	Immature		
24	4130 - Aspen	Poletimber Well	14.0	26	1-50		
25	4130 - Aspen	Sapling Well	7.8	17	Immature		
26	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.7	90	111-140	Birch in poor condition. Tops are very thin and many trees are dead.	
27	42250 - Pine, Oak	Sawtimber Medium	10.8	60	51-80	Aspen and jack pine cut in 2000.	
28	42110 - Planted Red Pine	Poletimber Well	28.0	54	81-110		
30	4130 - Aspen	Sapling Well	26.4	20	Immature		
31	42110 - Planted Red Pine	Poletimber Well	99.3	61	111-140		
32	4133 - Aspen, Mixed Pine	Sapling Well	58.9	27	Immature		
33	42110 - Planted Red Pine	Poletimber Medium	24.1	54	81-110		
34	42110 - Planted Red Pine	Poletimber Well	17.5	61	141-170		
35	4130 - Aspen	Sapling Well	12.8	16	Immature		
37	4130 - Aspen	Poletimber Well	28.4	39	51-80		
39	42220 - Natural Jack Pine	Poletimber Well	4.8	26	1-50		
40	4131 - Aspen, Oak	Sawtimber Well	7.4	90	81-110		
41	4310 - Pine, Oak Mix	Sawtimber Medium	6.5	60	51-80		
42	4130 - Aspen	Sapling Well	11.9	26	Immature		



Stand	Crystal Falls Mgt. Unit		Report 7 – Forested Stands			Compartment: 156	Year of Entry: 2019
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
43	4130 - Aspen	Poletimber Well	18.3	39	51-80		
44	4130 - Aspen	Poletimber Well	21.4	39	51-80		
46	4310 - Pine, Oak Mix	Sawtimber Well	17.6	82	81-110	Glidden Lake Campground. Jack pine, aspen and hazard trees removed in 2011.	
47	42110 - Planted Red Pine	Poletimber Well	7.0	54	81-110		
48	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	21.3	90	51-80	Most of stand is on a large rock.	
50	42110 - Planted Red Pine	Poletimber Well	5.0	54	141-170		
51	6115 - Lowland Ash	Poletimber Well	5.8	80	51-80		
52	42110 - Planted Red Pine	Poletimber Well	16.8	61	111-140		
54	42210 - Natural Red Pine	Sawtimber Well	3.8	90	111-140	OPIC - FMD: OI Stand Year Origin was 1992	
55	42210 - Natural Red Pine	Sawtimber Well	4.7	90	111-140		
56	42210 - Natural Red Pine	Sawtimber Well	14.5	90	111-140	Aspen and jack pine cut in 2011.	
57	4130 - Aspen	Sapling Well	12.1	16	Immature		
59	4310 - Pine, Oak Mix	Poletimber Poor	13.1	35	1-50		
60	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	10.4	23	1-50		
61	4130 - Aspen	Poletimber Well	11.6	37	51-80		
64	42110 - Planted Red Pine	Poletimber Poor	16.1	61	51-80		



Stand	Cover Type	Acres	Managed Site	General Comments:
4	6233 - Wet Meadow	6.7	No	Beaver pond at North end.
8	500 - Water	27.6	No	GLIDDEN LAKE
21	6225 - Bog	2.3	No	
29	6225 - Bog	4.1	No	OPIC - FMD: OI Stand Year Origin was
36	6224 - Treed Bog	4.1	No	OPIC - FMD: OI Stand Year Origin was
38	6225 - Bog	4.7	No	OPIC - FMD: OI Stand Year Origin was
45	122 - Road/Parking Lot	3.3	No	Lake Mary Road.
49	3302 - Low Density Conifer Trees	4.0		OPIC - FMD: Lake Mary Ski Trail and snowmobile trail run through stand. Widen ski trail to 12 feet. Summer cut. Retain 3% B.A..
53	122 - Road/Parking Lot	3.4	No	North Shore Road.
58	6225 - Bog	1.6	No	OPIC - FMD: OI Stand Year Origin was 1992
63	330 - Low-Density Trees	4.3		OPIC - FMD: Lake Mary Ski Trail and snowmobile trail run through stand. Widen ski trail to 12 feet. Summer cut. Retain 3% B.A..
401	320 - Upland Shrub	3.8	No	Power line.