



# Compartment Review Presentation

## Crystal Falls Forest Management Unit

Compartment 12153

Entry Year: 2027

Acreage: 743

County: Iron

Management Area: Brule River

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**Stand Examiner:** Eric Brolin

**Legal Description:**

T43N-R31W section 31.

T43N-R32W section 36.

**Identified Planning Goals:**

Develop age class distribution in aspen type. Maintain health in conifer types and increase acres where possible.  
Maintain and improve road system.

**Soil and topography:**

Karlin sands on flat to rolling hills with some lowland swamps and drainages.

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

State lands mixed with a few small private parcels. Two year round homes on US- 2 Lake Mary Road intersection. Lands used mainly for hunting and fishing and managed for timber products.

**Unique Natural Features:**

Glidden Lake is on the south side of the compartment and the Michigamme River is just east of the compartment.

**Archeological, Historical, and Cultural Features:**

None.

**Special Management Designations or Considerations:**

None.

**Watershed and Fisheries Considerations:**

Glidden Lake is on the south side of the compartment. The fish community consists of bluegill, largemouth bass, yellow perch, and walleye. 100 foot buffer around any waterbody. There is also an unnamed tributary running through the compartment. Streams, regardless of their size or frequency of flow, are connected to downstream waters and strongly influence their function. Additionally, wetlands and open waters in riparian areas and floodplains are physically, chemically, and biologically integrated with rivers via functions that improve downstream water quality. These systems act as effective buffers to protect downstream waters from pollution and are essential components of river food webs. BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

**Wildlife Habitat Considerations:**

This compartment falls within the Panola Plains Management area. Featured species selected for this management area include American woodcock, black bear, eastern bluebird, Kirtland's warbler, ruffed grouse and white-tailed deer. This compartment is part of the Old Mansfield Deeryard. Lowland cedar and spruce stands provide a travel corridor from the northwest corner of the compartment through to its east central side. This travel corridor is heavily used by black bear and also used as winter cover by deer. Soft mast such as blueberries and cherry, as well as, hard mast producing oak trees, are essential habitat components for bear, deer and grouse. Aspen stands with adequate conifer cover and maximum age class diversity provide excellent habitat for deer, grouse, woodcock and bear.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Hemlock Formation subcrops below the glacial drift. There is not a current economic use for the Hemlock. The Amasa iron formation is known to occur just to the west and the Hemlock volcanics iron formation has been mapped just to the east of the compartment. Abandoned iron mines are located one mile to the northwest. Part of this compartment was previously leased for metallic exploration. The nearest gravel pit is located several miles away and potential appears to be limited. There is no economic oil and gas production in the UP.

**Vehicle Access:**

M-69, Lake Mary Road and associated woods roads.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

Lake Mary Ski Trail is in the SE portion of the compartment. Glidden Lake Campground is located just south of the 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: 12153  
T43N-R31W section 31  
County: Iron  
Unit: Crystal Falls  
Mgmt. Area: Brule River  
YOE: 2027  
Acres: 743 GIS Calculated  
Examiner: Eric Brolin  
Date Exported: 06/18/2025  
Map Phase: Web Post



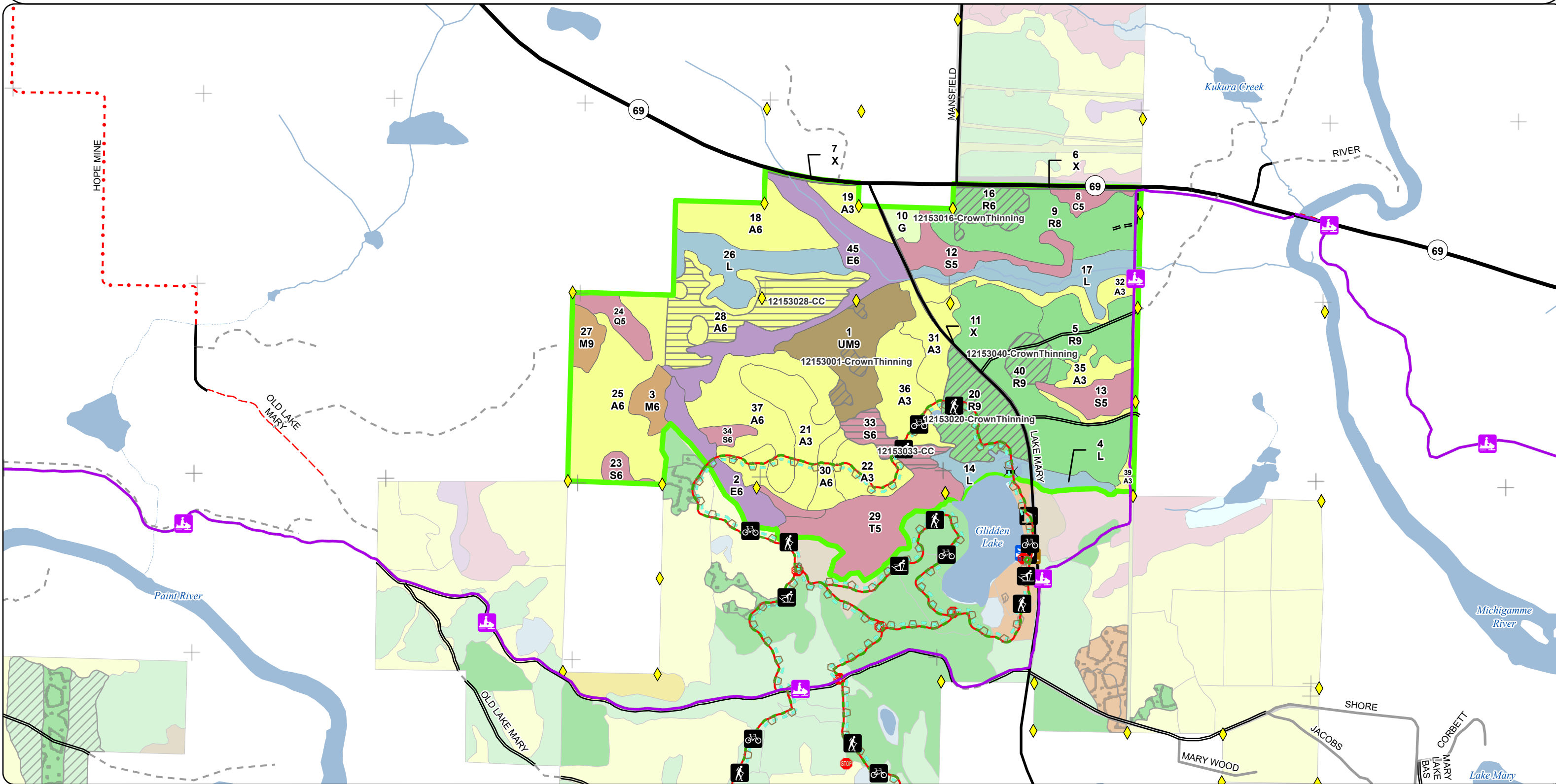
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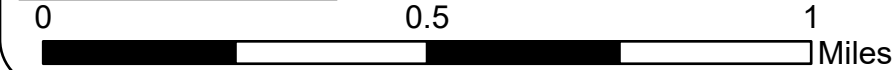
- Remonumented Section Corners
- Survey Grade Corners
- Toilet
- Boating Access Site
- Bridges
- Campground
- Parking Lot
- Sign

























- Trailhead
- Designated Bicycle Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)

- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Thinning

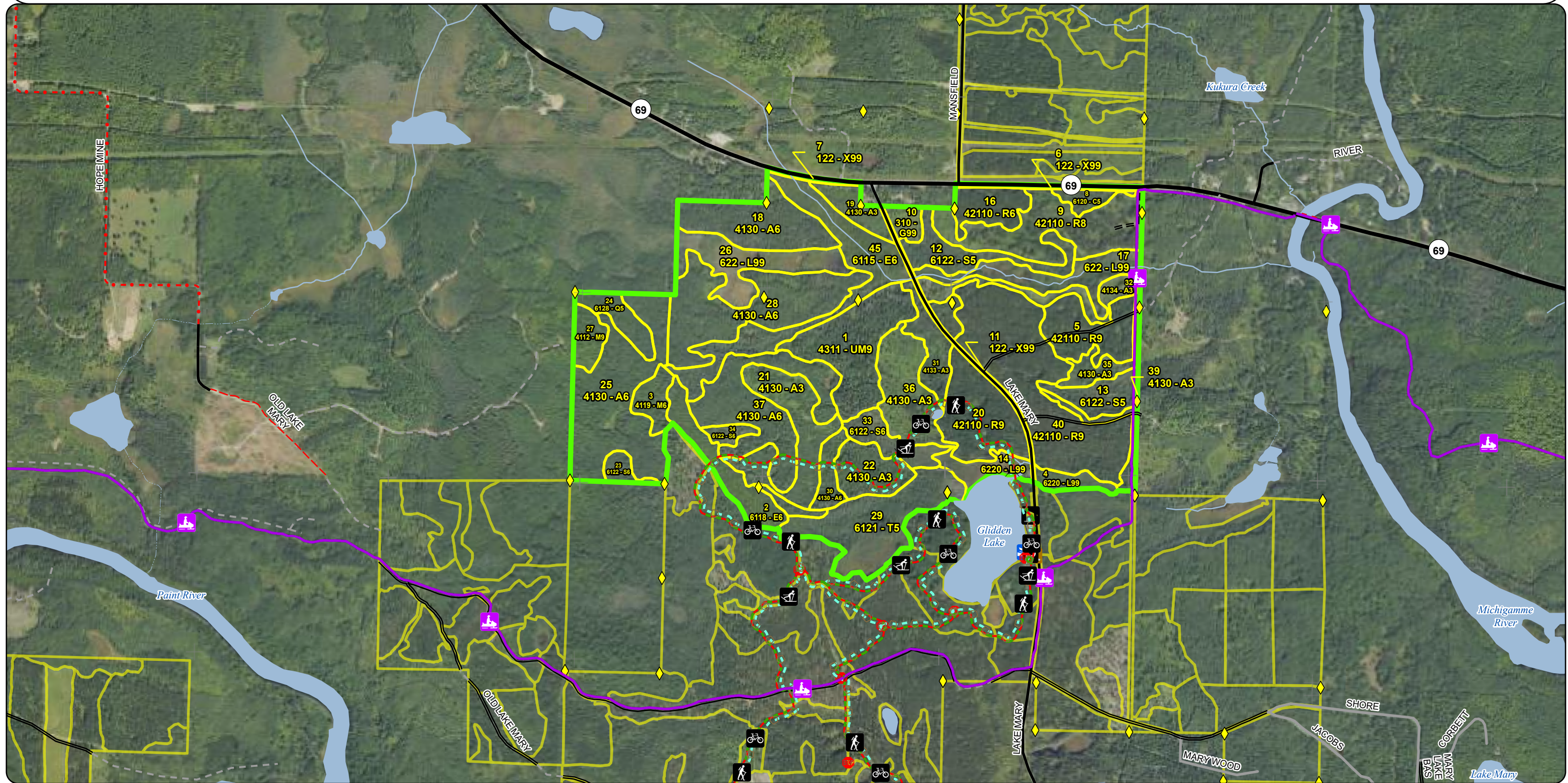
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub





- |   |                              |   |                                       |   |                               |
|---|------------------------------|---|---------------------------------------|---|-------------------------------|
|    | Remonumented Section Corners |    | Trailhead                             |    | County - Dirt Road (Seasonal) |
|  | Survey Grade Corners         |  | Designated Bicycle Trails             |  | Private - Paved Road          |
|  | Toilet                       |  | Designated Snowmobile Trails          |  | Private - Dirt / Gravel Road  |
|  | Boating Access Site          |  | DNR - Secondary Forest Road           |  | Intermittent Stream           |
|  | Bridges                      |  | DNR - Forest Access Route             |  | Perennial River               |
|  | Campground                   |  | Federal / State Highway               |  | Lakes and Rivers              |
|  | Parking Lot                  |  | Federal / State / County - Paved Road |  | Counties                      |
|  | Sign                         |  | County - Gravel Road                  |  | Compartment Boundary          |
|   |                              |   |                                       |   | 411 - Northern Hardwood       |

- 413 - Aspen  
421 - Planted Pines  
430 - Upland Mixed Forest  
611 - Lowland Deciduous Forest  
612 - Lowland Coniferous Forest  
122 - Road/Parking Lot  
310 - Herbaceous Openland  
622 - Lowland Shrub



# Special Conservation Areas & Site Conditions Map

Compartment: 12153  
T43N-R31W section 31  
County: Iron  
Unit: Crystal Falls  
Mgmt. Area: Brule River  
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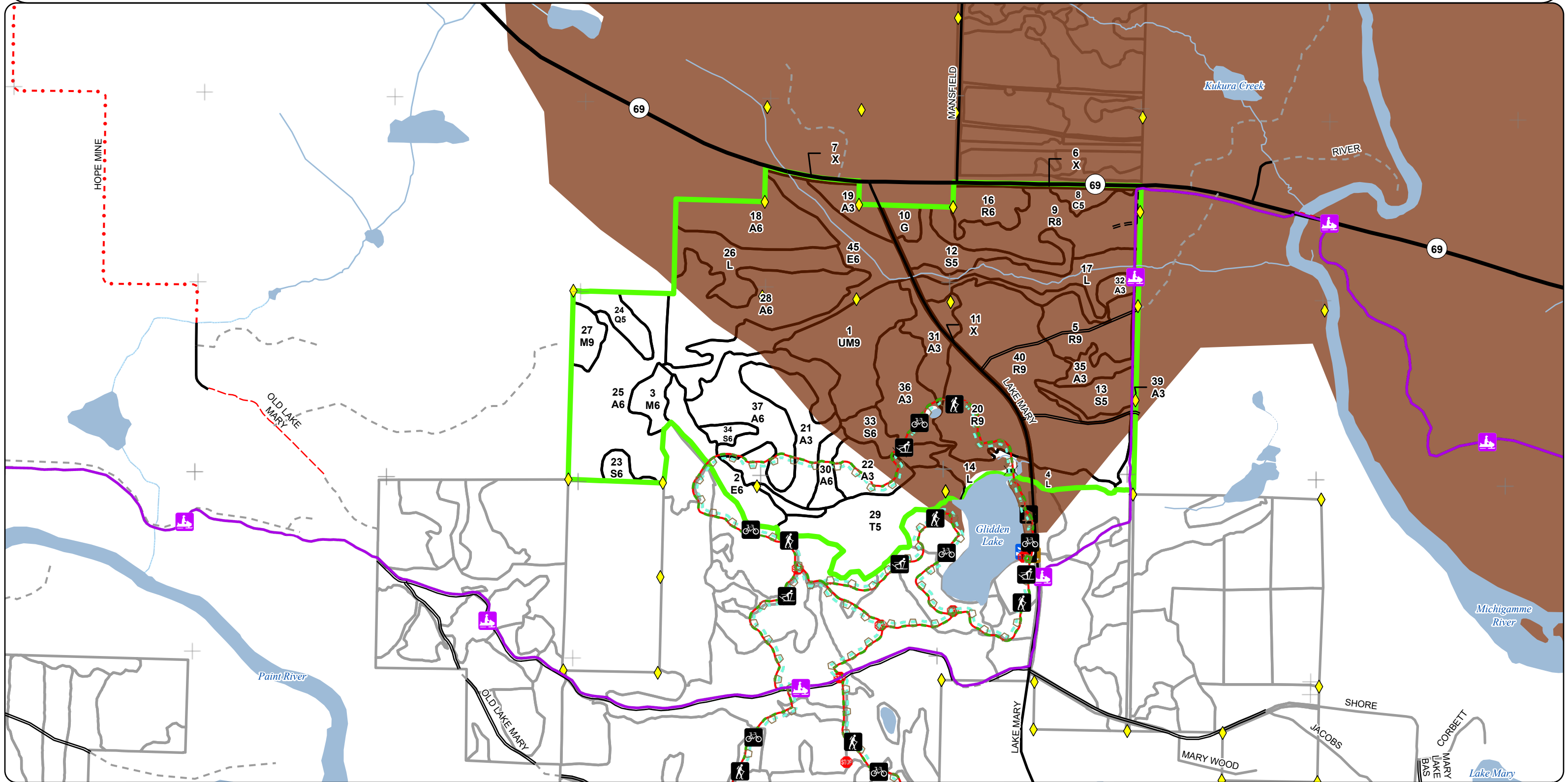
0 0.5 1 Miles

- Remunumented Section Corners
- Survey Grade Corners
- Toilet
- Boating Access Site
- Bridges
- Campground
- Parking Lot

- Sign
- Trailhead
- Designated Bicycle Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway

- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River

- Lakes and Rivers
- Counties
- Compartment Boundary
- 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	46	52	21	99	0	76	0	0	0	0	0	0	0	0	0	0	0	294
Cedar	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Conifers	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Lowland Deciduous	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	55
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Spruce/Fir	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	15	0	0	0	0	0	0	0	0	0	15
Red Pine	0	0	0	0	0	0	0	167	0	0	0	0	0	0	0	0	0	0	167
Tamarack	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	38
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	36
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
<b>Total</b>	<b>75</b>	<b>46</b>	<b>52</b>	<b>21</b>	<b>99</b>	<b>0</b>	<b>76</b>	<b>167</b>	<b>0</b>	<b>166</b>	<b>36</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>743</b>



## Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 153  
Total Compartment Acres: 743

Commercial Harvest - 98  
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		35	0	0	0	0	0	0	0	0	35
Lowland Spruce/Fir		11	0	0	0	0	0	0	0	0	11
Red Pine		0	0	0	0	49	0	0	0	0	49
Upland Mixed Forest		0	0	0	0	4	0	0	0	0	4
Total		46	0	0	0	54	0	0	0	0	100

### Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		100	0	0	0	0	0	0	0	0	100
Total		100	0	0	0	0	0	0	0	0	100



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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**Proposed Treatments:**

<b>40</b>	<b>12153040-CrownThinning</b>	8.5	42110 - Planted Red Pine	9	69	81-110	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Mark stand to average 120 BA. Focus on improving quality and removing suppressed trees. Remove all merchantable aspen and hardwood. <u>Specs:</u> Leave all oak and white pine while marking unless needed for operability.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Very high BA within treatment. Old Goshawk nest site buffered from past harvest. The original tree identified no longer contained a nest. No <u>Comment:</u> nesting sites were observed within this buffer or surrounding red pine area. Winter harvest for deer winter range.  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>33</b>	<b>12153033-CC</b>	10.7	6122 - Black Spruce	6	85	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Harvest to a 2" spec to promote lowland conifer regeneration. Retention should include a diverse mix of species and mature trees. Leave cedar <u>Specs:</u> and pine.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u>  <u>Other</u> SE stand line is an estimate, scout and determine during sale prep where ground transitions to be too wet / tamarack ground. Winter harvest for <u>Comment:</u> deer winter range. Contact Joe Freiberg (PRD) to close the trail to the public during active timber sale operations.  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
<b>28</b>	<b>12153028-CC</b>	35.2	4130 - Aspen	6	52	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix <u>Specs:</u> of species. Leave all conifer and oak. Only cut spruce/fir unless needed for operability.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u>  <u>Other</u> Access from SW or SE corner will require scouting and extensive roadwork. 100' buffer around vernal areas and north edge open lowland <u>Comment:</u> border, treatment is updated to show approximate locations. Winter harvest for deer winter range.  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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
20	12153020- CrownThinnin g	28.3	42110 - Planted Red Pine	9	69	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Mark stand to average 120 BA. Focus on improving quality and removing suppressed trees. Remove all merchantable aspen and hardwood. <u>Specs:</u> Leave all oak and white pine while marking unless needed for operability.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Winter harvest for deer winter range. Contact Joe Freiberg (PRD) to close the trail to the public during active timber sale operations. <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
16	12153016- CrownThinnin g	12.4	42110 - Planted Red Pine	6	69	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Mark stand to average 120 BA. Focus on improving quality and removing suppressed trees. Remove all merchantable aspen and hardwood. <u>Specs:</u> Leave all oak and white pine while marking unless needed for operability.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> Winter harvest for deer winter range. <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
1	12153001- CrownThinnin g	4.4	4311 - Pine, Aspen Mix	9	95	81-110	Harvest	Thinning	4311 - Pine, Aspen Mix	Cutting Record	No
<u>Prescription</u> Mark stand to average 60 - 80 BA of mixed pine. Focus on creating more diversity, removing suppressed trees, and leaving larger, vigorous pine <u>Specs:</u> that will improve future health, diversity, and wildlife benefits within these currently dense patches. Remove all merchantable trees, leaving pine unless marked to harvest, and leave all oak if present.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u>  <u>Other</u> Winter harvest for deer winter range. <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

Total Treatment 99.5  
Acreage Proposed:



Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

Dominant Site Conditions

5C	2G	3H	3J
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259	218	<b>23</b>	17	Aspen	<b>23</b>			17
5	0	<b>0</b>	5	Cedar			5	
5	5	<b>0</b>	0	Herbaceous Openland				
9	9	<b>0</b>	0	Lowland Conifers				
55	17	<b>0</b>	38	Lowland Deciduous		38		
60	60	<b>0</b>	0	Lowland Shrub				
49	15	<b>6</b>	28	Lowland Spruce/Fir	<b>6</b>	12		17
15	15	<b>0</b>	0	Northern Hardwood				
168	168	<b>0</b>	0	Red Pine				
38	0	<b>0</b>	38	Tamarack		38		
36	36	<b>0</b>	0	Upland Mixed Forest				
10	10	<b>0</b>	0	Urban				
707	552	<b>30</b>	126	Total Forested Acres	<b>30</b>	87	5	34
	78%	<b>4%</b>	18%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3J: Water quality/BMPs (stream, river, or lake)	17	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' stream buffer and/or too wet, flooded tamarack flats.								
2	Unavailable		3J: Water quality/BMPs (stream, river, or lake)	12	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' buffers on internal vernal areas and along the open wetland edge along the north border. Long term retention for Stand 28.								

## Report 4 – Site Conditions



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Extend rotation due to proposed harvest adjacent the south. Create more age class diversity in the area.							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' buffer along open lowland area. Long term retention for Stand 18.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	38	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Flooded alder drainage with dead black ash poles and black ash saplings in the north. The south may have manageable edges with adjacent stands, otherwise too wet.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Ground is too wet and flooded with alder and stunted trees.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	38	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very wet ground. Most areas are flooded with dense alder. Tamarack dominates and is stunted and/or dead in areas. Some edges may be manageable with adjacent stands.							

## Report 4 – Site Conditions



8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Most area contains mature black spruce and is manageable. Access is limited until adjacent stands are managed in the future given the small size of these patches.							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar within deer winter range.							

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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
27	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.5	80	81-110	N/A	Hardwood log stand. Mostly open understory with room for crowns to grow yet. South 1/3 has more aspen poles mixed in with an ironwood/conifer understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		2		22		Ironwood		Medium	Variable	Variable
Yellow Birch		3		8		Balsam Fir		Low	Variable	Variable
Quaking Aspen		10	Sapling	7		White Spruce		Low	Variable	Variable
Sugar Maple		65		12	80					
Red Maple		17		12	80					
Bigtooth Aspen		3		11						
28	4130 - Aspen	Poletimber Well	47.1	52	111-140	N/A	Cut in 1973. Large, mature aspen stand. Merchantable spruce/fir along most edges. Some vernal depressions within. The old roadbed is grown in dense with conifer. Access is from the far SW or SE corner, both need a lot of road work, easiest would be from the SE with a narrow lowland crossing.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce		3	Sapling	6		Red Maple		High	Variable	Variable
Black Spruce		5	Seedling	8	52	Balsam Fir		Low	Variable	Variable
Balsam Fir		4	Sapling	7	52	White Pine		Low	Variable	Variable
Quaking Aspen		80		8	52	White Spruce		Low	Variable	Variable
Red Pine		1		18		Black Spruce		Low	Variable	Variable
Red Maple		5		8	52					
White Pine		2		16						
29	6121 - Tamarack	Poletimber Well	38.0	85	51-80	N/A		Flooded lowland flat. Most areas are dominated by alder or flooded, declining tamarack. Some edges may be operable when adjacent stands are managed.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Ash		5	Sapling	7		Black Spruce	Low		Variable	Variable
White Pine		5		16		Tag Alder	High		Variable	Variable
Black Spruce		25	Seedling	8	85					
Northern White Cedar		10		8	80					
Tamarack		55	Seedling	8	85					
30	4130 - Aspen	Poletimber Well	7.1	38	51-80	N/A	Aspen pole stand. A bit poorer quality aspen site with sparser, shorter trees. Some pin oak, red maple, and conifer saplings are found in the understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce		2		12		Red Maple		Medium	Variable	Variable
Black Spruce		2	Sapling	6		Balsam Fir		Low	Variable	Variable
Red Pine		3		20		Northern Pin Oak		Medium	Variable	Variable
Red Maple		7	Sapling	6		Red Pine		Low	Variable	Variable
Balsam Fir		2	Sapling	5		White Pine		Low	Variable	Variable
Quaking Aspen		84	Seedling	7	38					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
31	4133 - Aspen, Mixed Pine	Sapling Well	15.5	26	1-50	N/A	Diverse conifer mix with aspen dominating a lot of the stand. Jack pine and red pine sapling/poles are abundant within.																																																																							
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32	4134 - Aspen, Spruce/Fir	Sapling Well	12.8	6		N/A	Area ranged from lowland ground to aspen patches, transition line between upland/lowland type stand. Lowland areas have good lowland conifer regen. Upland areas have good aspen regen.																																																																							
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33	6122 - Black Spruce	Poletimber Well	10.7	85	81-110	N/A	Excellent quality black spruce poles with some tamarack speckled in. Flat lowland conifer ground that is operable and does not hold water. Some decline showing in a few black spruce from older age.																																																																							
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34	6122 - Black Spruce	Poletimber Well	6.3	85	81-110	N/A	Manageable, small lowland patch bordering flooded black ash stand. Contains mature black spruce and conifer. This stand can be managed in the future with adjacent harvests for access.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
35	4130 - Aspen	Sapling Well	8.5	6		N/A	Aspen saplings with some scattered pine retained in the west area. Lowland transition along south edge has some lowland conifer regeneration.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	73	Log	1	6	Balsam Fir	Low		< 5 feet	< 5 feet
Red Maple	10	Log	1						
Red Pine	10			13					
Tamarack	2	Log	1						
Black Spruce	5	Log	1						
36	4130 - Aspen	Sapling Well	25.0	6	Immature		N/A	Aspen sapling stand. A fair amount of red pine sapling/poles scattered across the stand. A mature patch of red pine was left in the south half.Cut in 2019.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Northern Pin Oak	2	Seedling	8		Black Spruce	Low	Variable		Variable
Red Pine	15		4		Northern Pin Oak	Low	Variable		Variable
Quaking Aspen	83	Log	1	6	Red Pine	Low	Variable		Variable
37	4130 - Aspen	Poletimber Well	39.1	38	51-80		N/A	Aspen pole stand. Trees in the north half and higher elevations have a larger diameter. Understory can be dense with red maple and pin oak saplings in areas.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Red Pine	3		20		Balsam Fir	Low	Variable		Variable
Quaking Aspen	84	Seedling	7	38	Northern Pin Oak	Medium	Variable		Variable
Balsam Fir	2	Sapling	5		Red Pine	Low	Variable		Variable
White Spruce	2		12		Red Maple	Medium	Variable		Variable
Black Spruce	2	Sapling	6		White Pine	Low	Variable		Variable
Red Maple	7	Sapling	6						
39	4130 - Aspen	Sapling Well	5.8	27	1-50		N/A	Aspen sapling to small pole sized trees with dense understory.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Quaking Aspen	92	Pole	3	27	Red Maple	Medium	Variable		Variable
Red Pine	5		12		Black Spruce	Low	Variable		Variable
Red Maple	3	Log	3		Balsam Fir	Low	Variable		Variable
40	42110 - Planted Red Pine	Sawtimber Well	66.8	69	81-110		N/A	Thinned in 2019, thinned red pine and removed all merchantable trees. Planted in 1955/56, some areas re-planted in 1966. Red pine stand, small sawlog to large pole sized trees. Currently open understory with sparser mixed saplings in most areas.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
White Pine	1		15		Quaking Aspen	Low	Variable		Variable
Northern Pin Oak	1	Seedling	8		Red Maple	Low	Variable		Variable
Red Pine	98		11	69	Black Cherry	Low	Variable		Variable
					Northern Pin Oak	Low	Variable		Variable
					Balsam Fir	Trace	Variable		Variable
					Black Spruce	Trace	Variable		Variable



Stand	Level 4 Cover Type			Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
45	6115 - Lowland Ash			Poletimber Well		37.7	85	81-110	N/A	Mostly flooded drainageway. The entire north is dominated by black ash, standing dead and areas of dense saplings. The south contains more spruce and tamarack. Areas along the edges containing merchantable conifers and could be harvested with adjacent stands.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height		Size
Quaking Aspen		2		10		Black Spruce		Low	Variable		Variable
White Pine		2		14		Red Maple		Low	Variable		Variable
Black Ash		61	Sapling	6	85	Tag Alder		High	5 - 10 feet		5 - 10 feet
Black Spruce		20	Seedling	8	85						
Northern White Cedar		5		8							
Tamarack		10	Seedling	8							