



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12149

Entry Year 2028

Acreage: 1,169

County: Iron

Management Area: Way Dam Complex

Stand Examiner: Tyler Ritchie

Legal Description:

T43N-R32W SECTION 3.

T44N-R32W SECTION 34.

Identified Planning Goals:

Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain and improve road system. North Western portion of the compartment is part of the Kelso Swamp deer wintering complex. There are other areas within the compartment that are deer wintering areas. These areas should be left for habitat and DWC. Conifer components within the compartment should be protected.

Soil and topography:

Fine sandy loam with rolling hills to lowland swamps and drainages.

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:

Polliwog Lake, Michigamme Reservoir.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The northwestern region of this compartment contains an unnamed stream that serves as a tributary to Upper Holmes Lake. The northeastern region of this compartment contains Polliwog Lake which serves as headwater embayment to the Michigamme Reservoir. A minimum 100-foot riparian management zone is recommended for the unnamed stream and Polliwog Lake to protect riparian areas in accordance with best management practices.

Wildlife Habitat Considerations:

This compartment is in the Michigamme Reservoir Management Area which has the following featured species: Ruffed grouse, black bear, northern goshawk, pileated woodpecker, and white-tailed deer. This compartment falls within the Deerfoot Lodge Deer Wintering Complex. Lowland conifer provide critical winter cover for deer. Management of uplands to provide winter and spring forage for deer is important. Balancing the age classes of aspen to provide early successional habitat through mature aspen forest is a goal in this compartment. Lowland conifers and lowland hardwood types provide winter and summer cover and are essential for travel corridors for a many species of wildlife, and provide essential habitat for riparian species, such as wood duck. Both these covertype provide critical bear habitat. Mesic conifer in the uplands is promoted to provide structural diversity within stands which increases habitat value, as cover for wildlife. Mast production, such as oak, cherry and raspberry are encouraged to provide valuable forage for bear, deer, grouse and turkey. This compartment has a hunter walking trail and opening that provides herbaceous spring and summer forage particularly important for wildlife, and provide recreational opportunities for consumptive and non-consumptive wildlife users.

Mineral Resource and Development Concerns and/or Restrictions

The nearest known active sand & gravel mining operation is approximately two miles southwest of the compartment. There does appear to be some potential for sand & gravel within the compartment, but bedrock is at or near the surface spots, which may inhibit development of aggregate resources. Considerable exploration for iron ore has occurred in the area, but potential for economic concentrations and grades of iron beneath the compartment is considered low. Intrusive dikes cross part of the compartment and may have potential for other metallic and/or critical minerals and elements. Traces of metals have been documented from analyzed specimens in the area but nothing of economic significance. There is no metallic

mineral leasing activity involving State-owned mineral rights in the area. There is no potential for economic oil and gas production in the UP. 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:

Rock Crusher Road, snowmobile trail and woods roads.

Survey Needs:

Recreational Facilities and Opportunities:

Snowmobile trail runs through compartment.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

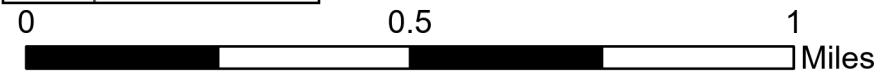
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

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

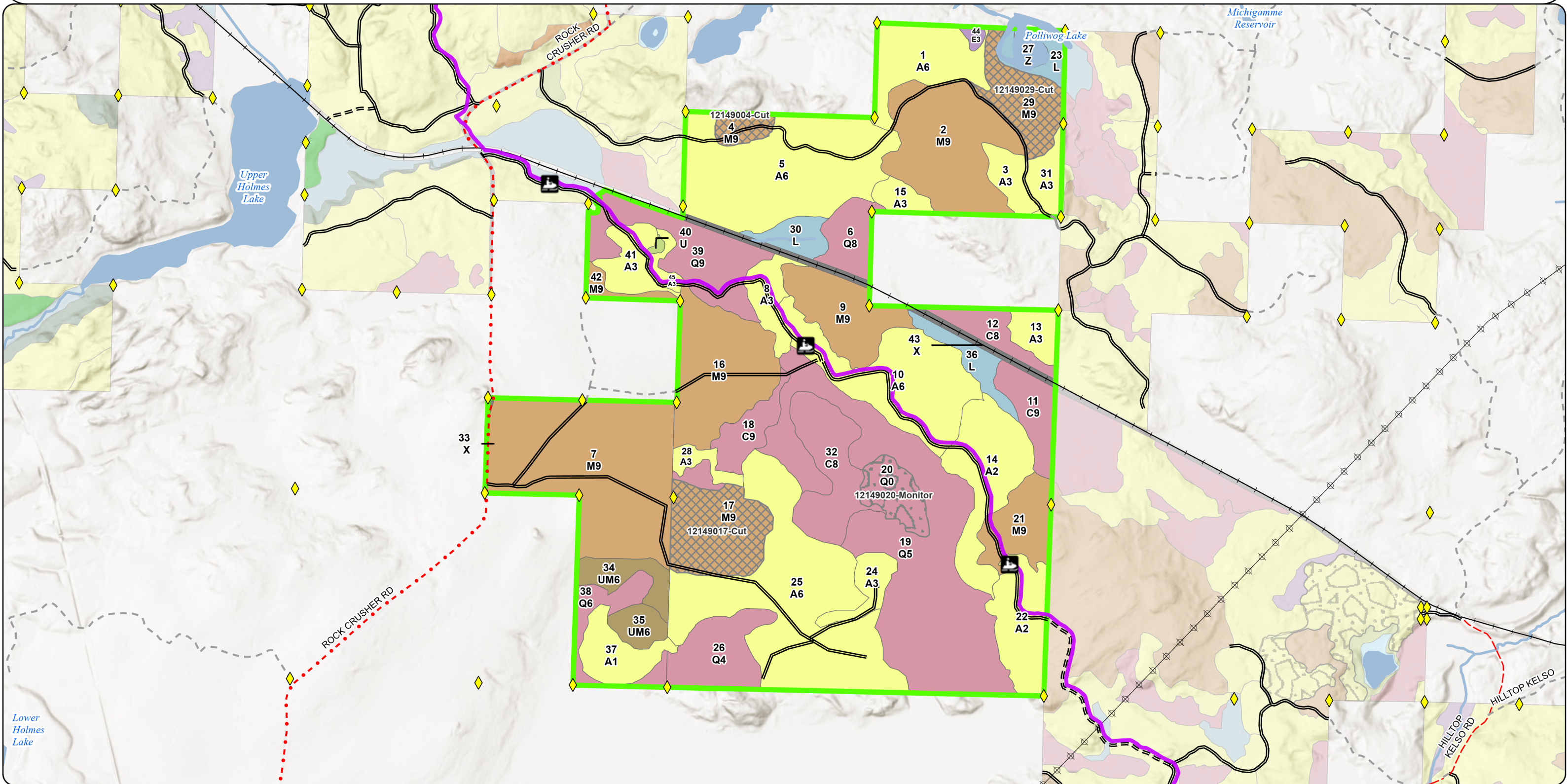
Cover Type & Treatments Map

Compartment: 12149
T43N R32W Sec. 3, 4
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,169 GIS Calculated
Examiner: Tyler Ritchie
Date Exported: 06/18/2026
Map Phase: Post Review

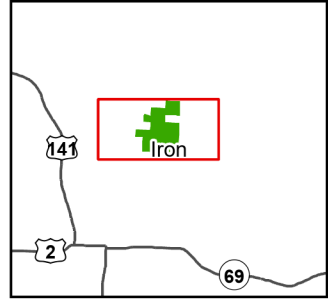


- Survey Grade Corners
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Railroads
- Streams
- Lakes and Rivers
- Electric

- Compartment Boundary
- Selection
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 622 - Lowland Shrub



Stand Boundary Map

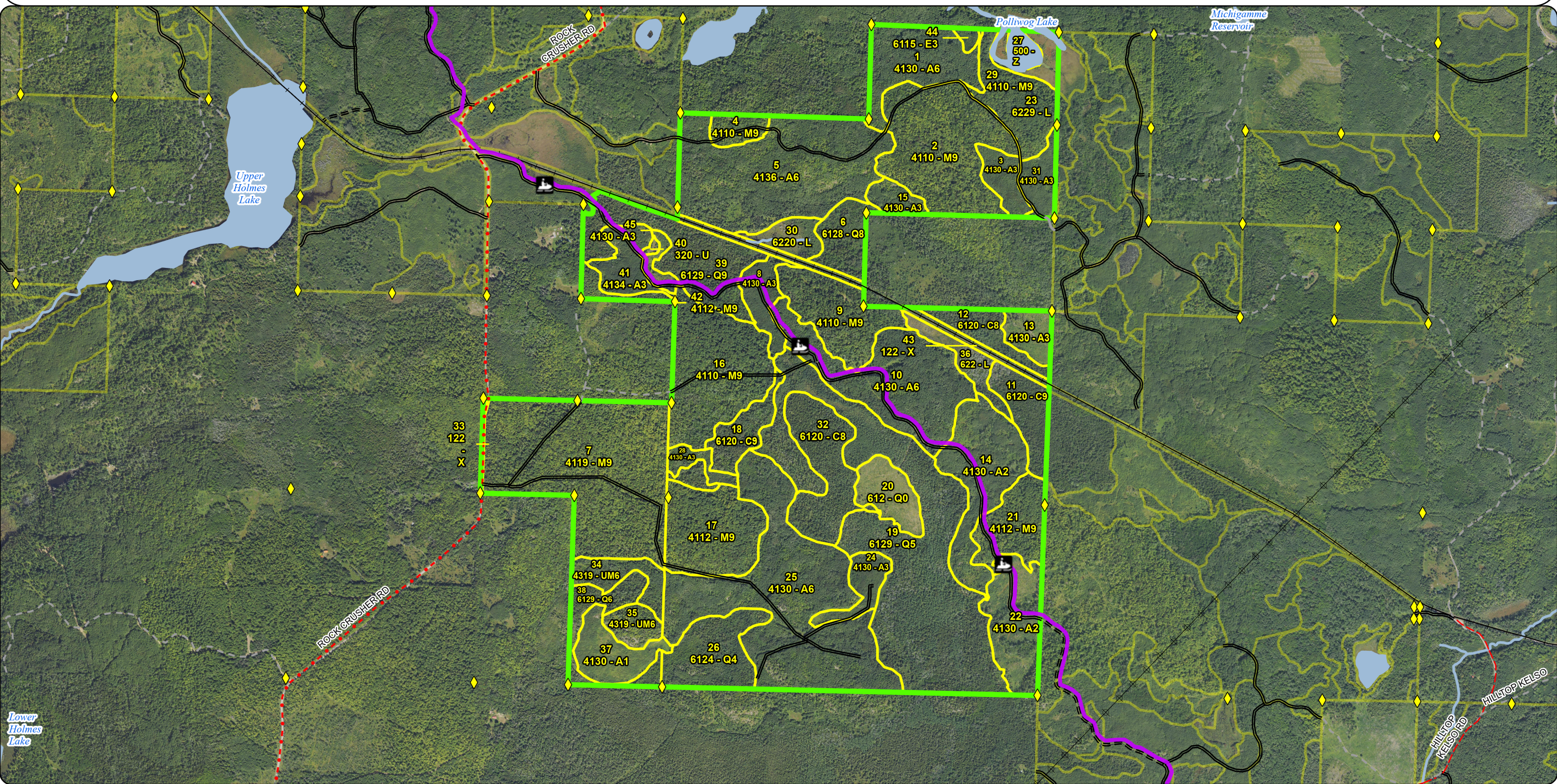


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- County - Dirt Road (Seasonal)
- Private - Paved Road

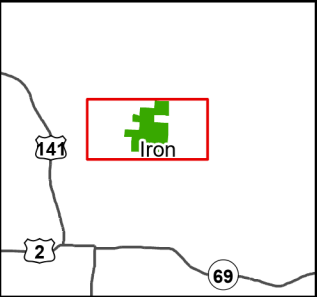
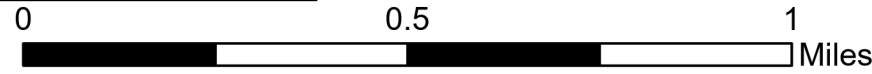
- Private - Dirt / Gravel Road
- Railroads
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Compartment Stand Yellow Outline (PD)
- 411 - Northern Hardwood
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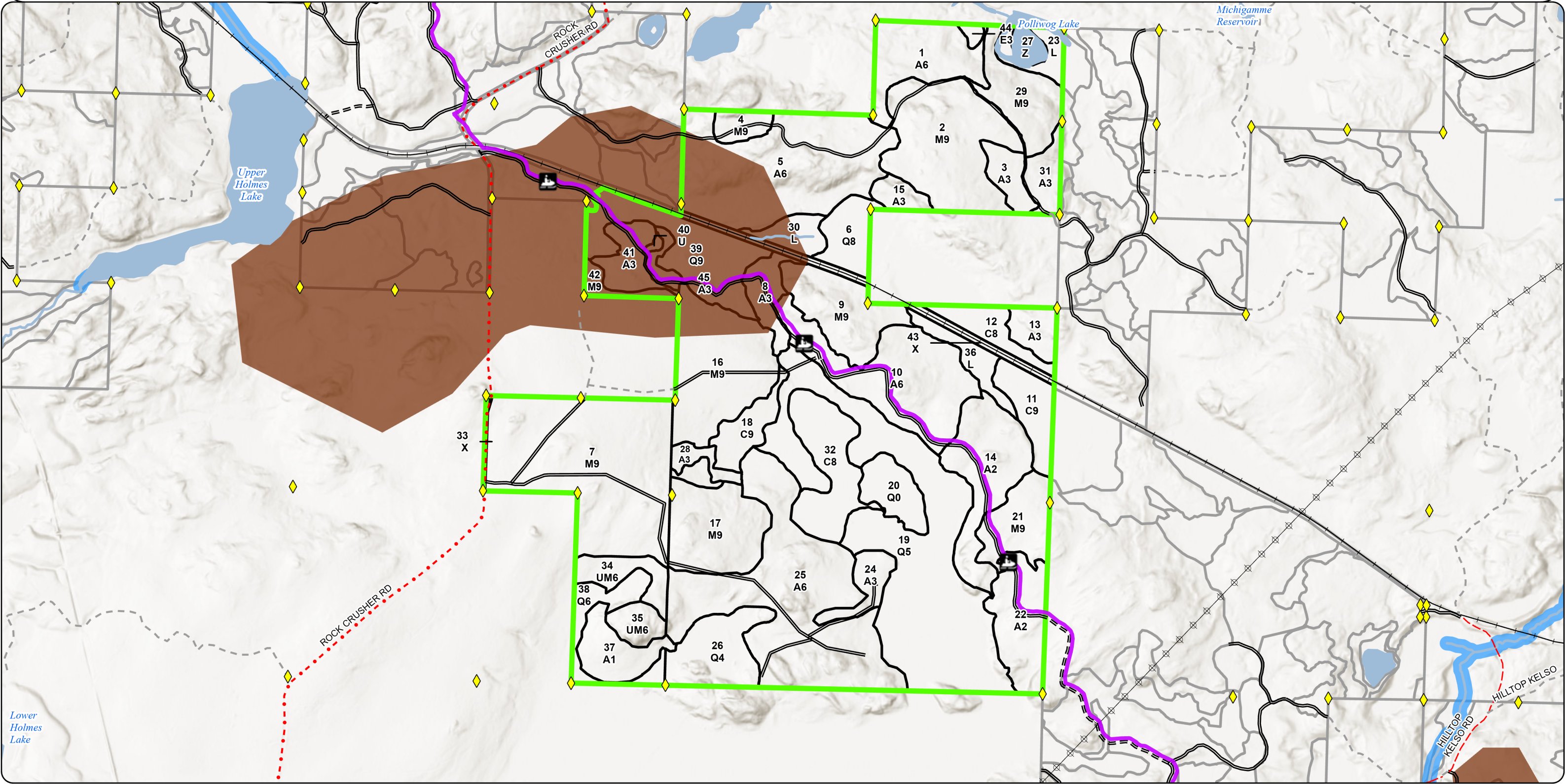


Special Conservation Areas
& Site Conditions Map

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Date Exported: 06/18/2026
Map Phase: Post Review



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|--------------------------------------|-------------------------------|-----------------------------------|
| Survey Grade Corners | County - Gravel Road | Lakes and Rivers |
| Designated Snowmobile | County - Dirt Road (Seasonal) | Electric |
| DNR - Secondary Forest Road | Private - Paved Road | Compartment Boundary |
| DNR - Forest Access Route | Private - Dirt / Gravel Road | Cold Water Streams |
| Federal / State - Dirt / Gravel Road | Railroads | High Priority Trout Stream Buffer |
| | 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	56	90	12	118	171	0	0	0	0	0	0	0	0	0	0	0	0	446
Cedar	0	0	0	0	0	0	0	0	0	0	77	0	0	0	0	0	0	0	77
Lowland Conifers	15	0	0	0	0	0	0	0	0	27	142	55	0	0	0	0	0	0	237
Lowland Deciduous	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Shrub	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Northern Hardwood	0	0	0	0	0	0	0	7	0	236	95	0	0	0	0	0	0	0	338
Upland Mixed Forest	0	0	0	0	12	0	0	0	0	0	9	0	0	0	0	0	0	0	20
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	62	56	90	14	130	171	0	7	0	263	323	55	0	0	0	0	0	0	1166



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 149
Total Compartment Acres: 1,169

Commercial Harvest - 170
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

		ClearcutSelectionPatch ClearcutSeed TreeShelterwoodThinningOverstory RemovalSalvageOtherTotal Acres									
Northern Hardwood		0	67	0	0	0	0	0	0	0	67
	Total	0	67	0	0	0	0	0	0	0	67

Proposed and Next Step Treatments by Method

		HarvestSite PrepPlantingSeedingBurningPesticideMonitoringOtherNon-Forest Mgt.Total Acres									
Current		67	0	0	0	0	0	15	0	0	82
Next Step		0	36	0	0	0	0	67	0	0	103
	Total	67	36	0	0	0	0	82	0	0	185



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:

4	12149004-Cut	7.2	4110 - Sugar Maple Association	9	65	111-140	Harvest	Selection	4319 - Mixed Upland Forest	Uneven-Aged	No
<u>Prescription</u> Thin stand to 60-90 BA depending on initial stand variability. Regeneration gaps of at least 1 chain by 1 chain will also help reduce BA and <u>Specs:</u> increase regeneration and the release of advanced regeneration. Leave all conifer for wildlife and stand diversity <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> northern hardwoods and conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
17	12149017-Cut	36.2	4112 - Maple, Beech, Cherry Association	9	98	111-140	Harvest	Selection	4319 - Mixed Upland Forest	Uneven-Aged	No
<u>Prescription</u> Thin stand to 60-90 BA depending on initial stand variability. Regeneration gaps of at least 1 chain by 1 chain will also help reduce BA and <u>Specs:</u> increase regeneration and the release of advanced regeneration. Leave all conifer for wildlife and stand diversity <u>Next Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> upland hardwoods, oak and conifer <u>Regen:</u> <u>Other</u> Stand has a component of oak, promote oak regeneration by removing overstory around oak and scarifying where possible . DO NOT cut any <u>Comment:</u> oak as it provides seed sources and wildlife habitat. Use October 1st through winter frozen operational season to protec <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
20	12149020-Monitor	14.8	612 - Lowland Coniferous Forest	0	6	1-50	Monitoring	Monitoring - Regeneration	612 - Lowland Coniferous Forest	Even-Aged	No
<u>Prescription</u> Recheck next inventory cycle <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> black spruce and tamarack <u>Regen:</u> <u>Other</u> failed to regenerate at age 6, 2026 <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

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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
29 12149029-Cut	23.8	4110 - Sugar Maple Association	9	97	111-140	Harvest	Selection	4319 - Mixed Upland Forest	Uneven-Aged	No
<u>Prescription</u> Thin stand to 60-90 BA depending on initial stand variability. Regeneration gaps of at least 1 chain by 1 chain will also help reduce BA and <u>Specs:</u> increase regeneration and the release of advanced regeneration. Leave all conifer for wildlife and stand diversity <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> mixed northern hardwoods and upland conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										

Total Treatment 82
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

2F	2G	3H	3J	3L
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424	413	0	11	Aspen	2	2		3	4
77	0	0	77	Cedar			77		
238	15	0	223	Lowland Conifers		27	157		40
2	2	0	0	Lowland Deciduous					
28	28	0	0	Lowland Shrub					
338	339	0	0	Northern Hardwood					
21	12	0	9	Upland Mixed Forest	9				
1	1	0	0	Upland Shrub					
13	13	0	0	Urban					
4	5	0	0	Water					
1,146	827		319	Total Forested Acres	10	28	234	3	44
	72%		28%	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		3K: Rare or unique landforms	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep rock outcroppings and bluffs								
2	Unavailable		2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet tag alder with scattered tamarack, cedar and black spruce.								

Report 4 – Site Conditions



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: buffered small intermittent stream.							
4	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3L: Other wildlife concerns	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	127	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3K: Rare or unique landforms	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep rock outcroppings and bluffs							
13	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	15	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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	4130 - Aspen	Poletimber Well	30.0	43	51-80	N/A	Lowland tag alder and black ash pockets, vernal ponds, are scattered throughout the northern portion of the stand.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole</td><td>8</td><td>43</td></tr><tr><td>Bigtooth Aspen</td><td>35</td><td>Pole</td><td>8</td><td>43</td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	50	Pole	8	43	Bigtooth Aspen	35	Pole	8	43	Red Maple	10	Pole/Log	8		Paper Birch	5	Pole/Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (American)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet											
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2	4110 - Sugar Maple Association	Sawtimber Well	58.4	82	111-140	N/A																																												
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Ironwood	Medium	Variable	Variable																																															
Leatherwood	Low	5 - 10 feet	5 - 10 feet																																															
5	4136 - Aspen, Mixed Conifer	Poletimber Well	84.7	46	81-110	N/A	Aspen stand with a diverse mix of conifer distributed throughout. This includes white pine, balsam fir, white spruce and a few scattered hemlock.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>40</td><td>Pole</td><td>8</td><td>46</td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Pole</td><td>8</td><td>46</td></tr><tr><td>Red Maple</td><td>20</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Balsam Fir</td><td>15</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Log</td><td>14</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	40	Pole	8	46	Bigtooth Aspen	15	Pole	8	46	Red Maple	20	Pole/Sapling	6		Balsam Fir	15	Pole/Sapling	6		Northern White Cedar	5	Log	14		White Pine	5	Pole/Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (American)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	14.8	98	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Log/Pole	12	98	Black Spruce	Low	Variable	Variable
White Spruce	10	Log/Pole	10		Tag Alder	Full	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	15	Log	12					
Balsam Fir	15	Pole	8					
Black Ash	20	Pole	6					

7	4119 - Mixed Northern Hardwoods	Sawtimber Well	104.6	87	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Log/Pole/Sap	12	87	Ash (spp.)	Low	Variable	Variable
Red Maple	20	Log/Pole/Sap	12		Sugar Maple	Low	Variable	Variable
Basswood	25	Log/Pole	14		Leatherwood	Low	< 5 feet	< 5 feet
White Ash	5	Log/Pole/Sap	12		Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	5	Pole/Sapling	6		Balsam Fir	Medium	Variable	Variable

Rock Crusher Hwds timbersale around 2018. Western area of the stand has high density of conifer, mostly balsam fir. There are a few scattered hemlock as well.

8	4130 - Aspen	Sapling Well	11.8	26	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Sapling	4	26	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	30	Sapling	4	26	Balsam Fir	Low	Variable	Variable
Red Maple	10	Pole/Sapling	6					

9	4110 - Sugar Maple Association	Sawtimber Well	30.3	93	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	85	Log	12	93	Ironwood	Medium	Variable	Variable
Red Maple	10	Log/Pole/Sap	12		Ash (spp.)	Medium	5 - 10 feet	5 - 10 feet
Yellow Birch	5	Log/Pole	12		White Spruce	Low	Variable	Variable

10	4130 - Aspen	Poletimber Well	56.2	41	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	70	Pole	8	41	Balsam Fir	Low	Variable	Variable
Bigtooth Aspen	20	Pole	8	41	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet
Red Maple	10	Log/Pole	10					

Some clumps of larger pole and log sized red maple.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
11	6120 - Lowland Cedar	Sawtimber Well	16.1	93	81-110	N/A	Deer wintering area.																																					
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12	6120 - Lowland Cedar	Sawtimber Medium	12.1	93	1-50	N/A	Deer wintering area.																																					
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16	4110 - Sugar Maple Association	Sawtimber Well	51.3	87	81-110	N/A	Stand was harvested around 2018. Heavy maple regeneration. Main access is through private, commercial forest. Road through the stand is heavily rutted. Scattered cedar present but limited conifer component throughout the stand. There is a pocket of cedar and fir on the western edge of the stand that should be protected for wildlife and diversity.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
17	4112 - Maple, Beech, Cherry Association	Sawtimber Well	36.2	98	111-140	N/A	Stand has quality hardwoods and decent regeneration. Areas with steeper terrain have a mix of red oak and basswood.																																							
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18	6120 - Lowland Cedar	Sawtimber Well	16.5	98	141-170	N/A	Some timber harvest was done on the western edge of this stand. The area harvest has come back as dense aspen regeneration. Heavy deer winter use, the remainder of the stand should be protected for deer winter yarding. Part of the Kelso swamp.																																							
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19	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	127.4	93	51-80	N/A	Part of the Kelso swamp. Heavy deer use in the winter.																																							
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20	612 - Lowland Coniferous Forest	Unspecified	14.8	6	1-50		Harvested to promote new lowland conifer stand. Regeneration harvest has failed and stand is now cattails and tag alder. Changes in water table and light levels are causing mortality in adjacent stand.																																							
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21	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.7	83	81-110	N/A	Harvested around 2018. Mix of advanced mapke regeneration and ironwood. Ironwood is out competing maple regeneration																																							
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Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet																																											
Ironwood	Medium	Variable	Variable																																											
White Spruce	Low	Variable	Variable																																											
22	4130 - Aspen	Sapling Medium	28.5	6	Immature	N/A	Young aspen stand with several wet drainages. Drainages were left uncut and are dominated by red maple and cedar.																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>90</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Northern White Cedar</td><td>2</td><td>Log</td><td>14</td><td></td></tr><tr><td>Red Maple</td><td>8</td><td>Log</td><td>16</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	90	Sapling	1	6	Northern White Cedar	2	Log	14		Red Maple	8	Log	16		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (American)</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (American)	High	5 - 10 feet	5 - 10 feet														
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23	6229 - Mixed Lowland Shrub	None	8.6			No																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
24	4130 - Aspen	Sapling Well	10.2	17	Immature	N/A	Tag alder along wetter edges of stand and in the logging roads.																																								
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25	4130 - Aspen	Poletimber Well	108.2	37	1-50	N/A	Several large rock outcrops in this stand. These outcroppings have unique stands of cedar, spruce and fir. These should be protected due to terrain and unique features.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Pole/Sapling</td><td>6</td><td>37</td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Quaking Aspen</td><td>75</td><td>Pole/Sapling</td><td>6</td><td>37</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	15	Pole/Sapling	6	37	Red Maple	5	Sapling/Pole	4		Balsam Fir	5	Sapling/Pole	4		Quaking Aspen	75	Pole/Sapling	6	37	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (American)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Tamarack</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Tamarack	Low	Variable	Variable
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26	6124 - Lowland Spruce-Fir	Poletimber Poor	26.5	85	1-50	N/A																																									
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27	500 - Water	None	4.5			No	OPIC - FMD: Polliwog Lake.																																								
28	4130 - Aspen	Sapling Well	5.7	17	Immature	N/A																																									
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29	4110 - Sugar Maple Association	Sawtimber Well	23.8	97	111-140	N/A																																									
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30	6220 - Alder/Willow	None	9.2			No																																									







Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	4130 - Aspen		Sapling Well	4.3	11	Immature	N/A
	Canopy Species	% Cover	Size Class	DBH	Age		
	Quaking Aspen	80	Sapling	1	11		
	Red Maple	15	Sapling	1			
	Balsam Fir	5	Sapling	1			