



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12110

Entry Year 2027

Acreage: 1,985

County: Dickinson

Management Area: Cassidy Creek

Stand Examiner: Rich Goupell

Legal Description:

T39N R28W Sections 4-8

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Protect riparian areas during management activity implementing the Best Management Practices guidelines.

Soil and topography:

The soil type is dominated by rock outcrops with some smaller portions of fine sandy loams. The terrain is steep.

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

The majority of this compartment is contiguous State of Michigan ownership with private landowners on the West and South sides. Hunting, fishing, trapping, and camping are the main recreational use patterns.

Unique Natural Features:

Sturgeon River and Black Creek.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features are known.

Special Management Designations or Considerations:

Eagle, Loon, and Wood Turtle considerations.

Watershed and Fisheries Considerations:

Black Creek and the Sturgeon River flow through this 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:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The State-owned Palmcooks Rocky Top Road sand/gravel pit borders the compartment to the north. The pit is very small, has never been leased or permitted for commercial use, and has not been evaluated for quantity and quality of aggregate resources. There may be some additional potential for development of sand & gravel within the compartment on uplands where sufficient glacial sediments overlie bedrock. The abandoned Loretto and Appleton iron mines occur at the compartment's southern border, but there does not appear to be significant potential for additional iron ore beneath the compartment. There is active leasing involving State-owned mineral rights just southeast of the compartment, but similar interest in leasing within the compartment for metallic mineral exploration and development is less likely. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access to compartment is from paved County Road 573. The Black Creek Trail forest road is the main access point. Due to terrain, roads in this compartment are limited.

Survey Needs:

Some corners may need to be established.

Recreational Facilities and Opportunities:

A couple small boat launches are present in the SW portion of compartment.

Fire Protection:

Fire response will be from Norway DNR office.

Additional Compartment Information:

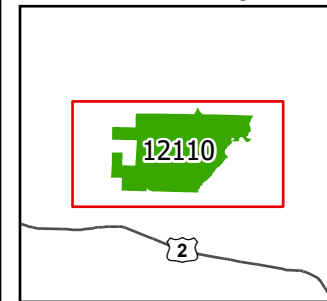
The following reports from the Inventory are attached:

- 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: 12110
T39N R28W Sec 4-9
County: Dickinson
Unit: Crystal Falls
Mgmt. Area: Cassidy Creek
YOE: 2027
Acres: 1,985 GIS Calculated
Examiner: Rich Goupell
Date Exported: 11/14/2025
Map Phase: Post Review

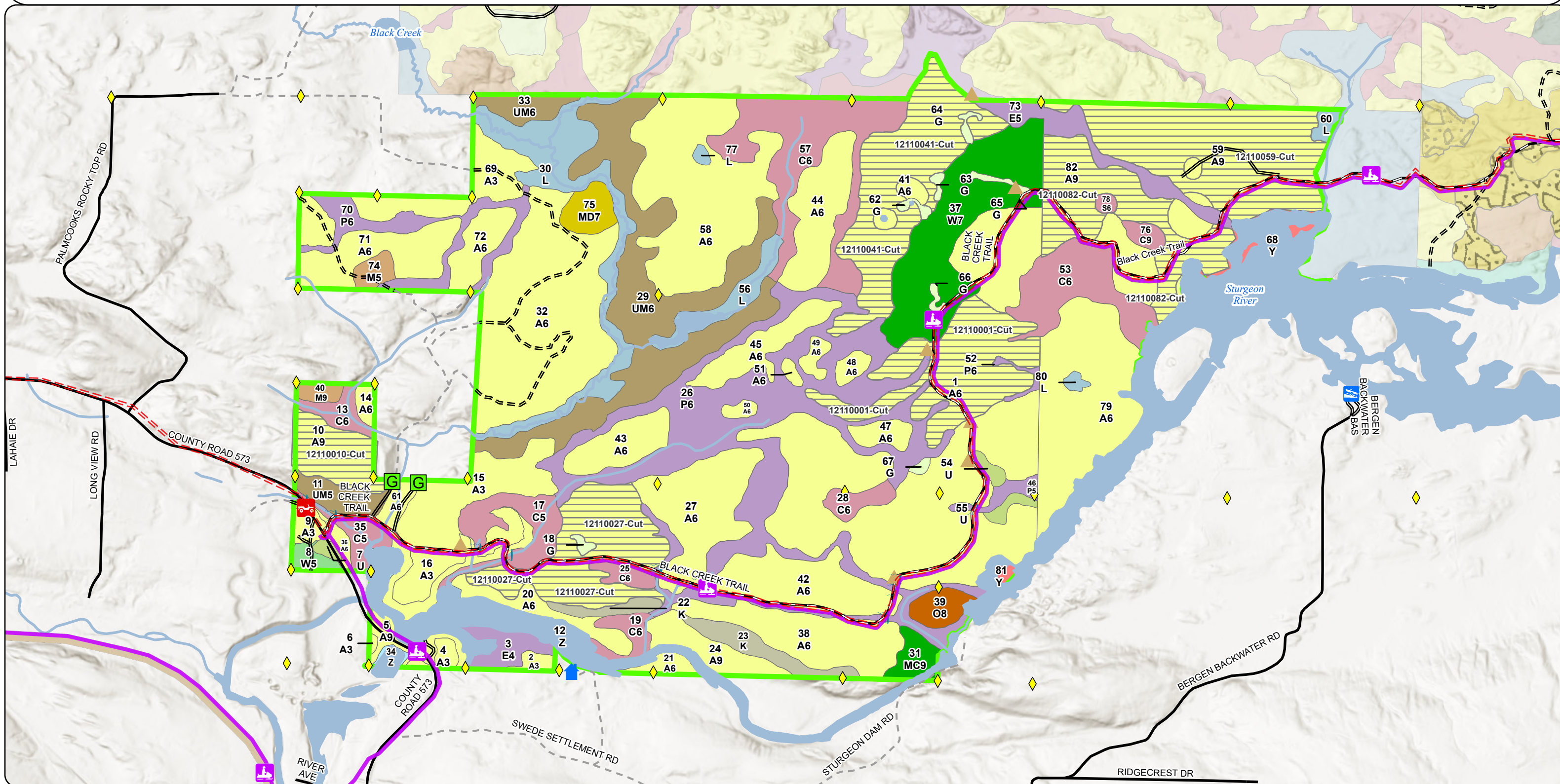
0 0.5 1 Miles

- Survey Grade Corners
- Berm
- Gate
- Culvert
- Boating Access Site
- Designated ORV Routes
- Designated Snowmobile

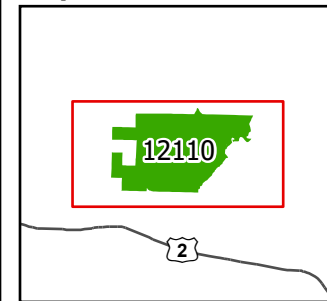
- Railtrail
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary

- Clearcut
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water

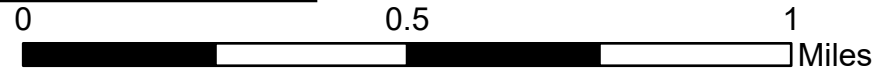
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 720 - Exposed Rock
- 730 - Mud Flats



Stand Boundary Map



Compartment: 12110
T39N R28W Sec 4-9
County: Dickinson
Unit: Crystal Falls
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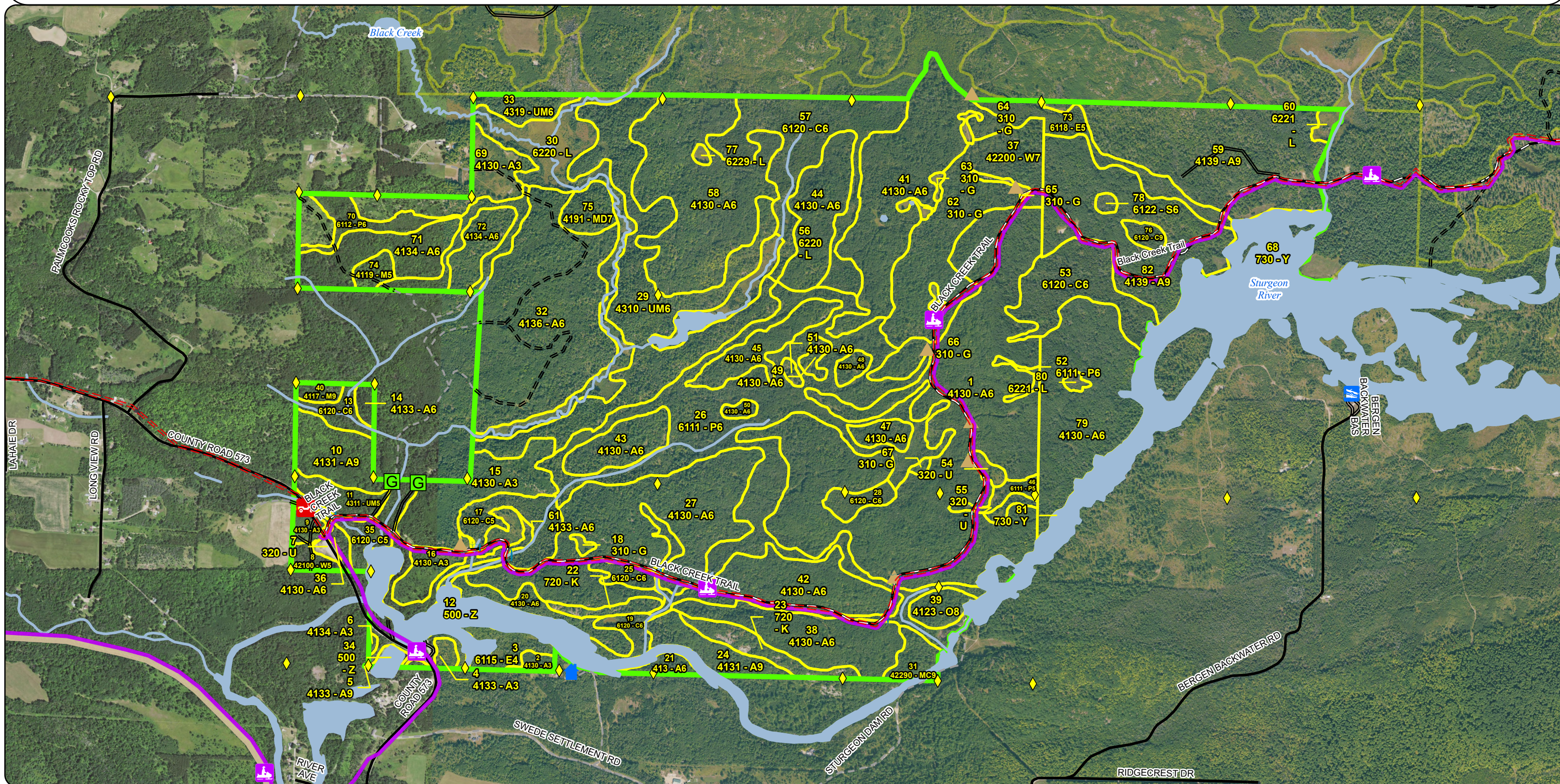


- Survey Grade Corners
- Berm
- Gate
- Culvert
- Boating Access Site
- Designated ORV Routes
- Designated Snowmobile

- Railtrail
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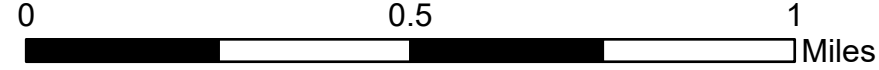
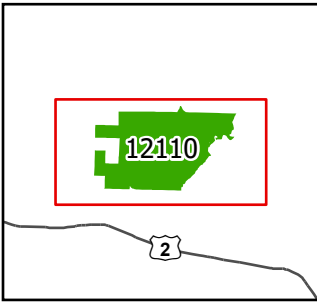
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Special Conservation Areas & Site Conditions Map

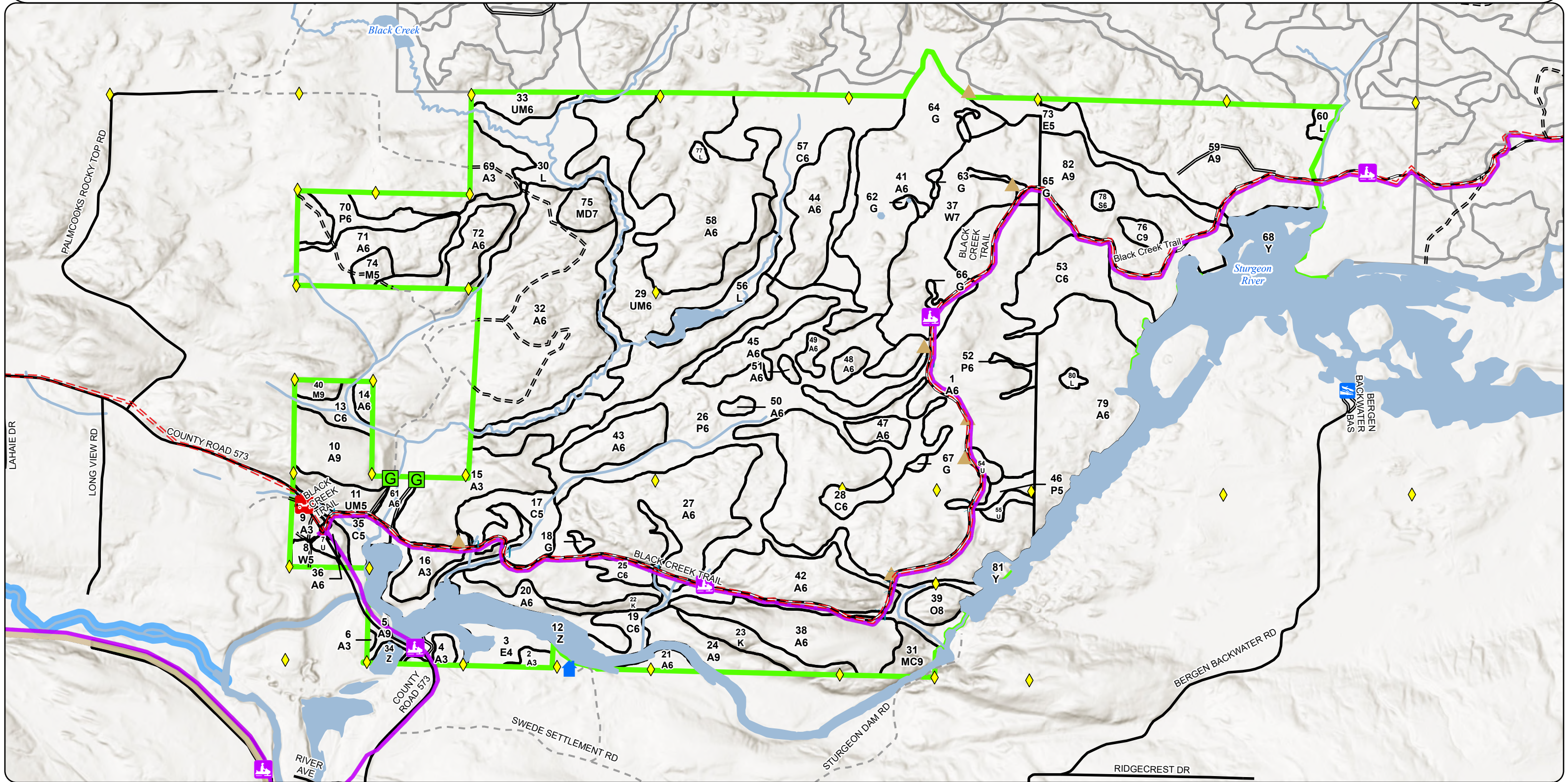
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T39N R28W Sec 4-9
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- Survey Grade Corners
- Blue house icon
- Berm
- Gate
- Culvert
- Boating Access Site
- Designated ORV Routes

- Designated Snowmobile
- Railtrail
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Streams

- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Trail - Trail Corridor



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	51	40	1	0	857	0	163	20	41	0	0	5	0	0	0	0	22	1200
Cedar	0	0	0	0	0	0	0	0	8	12	0	100	34	0	0	0	0	0	154
Exposed Rock	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Aspen/Balsam Poplar	0	0	0	0	0	158	0	0	0	25	0	0	0	0	0	0	0	0	183
Lowland Deciduous	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	11	31
Lowland Shrub	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Northern Hardwood	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	4	9
Oak	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Sand, Soil	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	10	0	0	0	0	0	99	119
Upland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
White Pine	0	0	0	0	0	0	4	0	0	0	0	65	0	0	0	0	0	0	69
Total	193	51	40	1	0	1015	15	163	53	78	10	185	39	0	9	0	0	136	1987



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 110
Total Compartment Acres: 1,985

Commercial Harvest - 700
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

		Clearecut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen		349	0	0	0	0	0	0	0	0	349
	Total	349	0	0	0	0	0	0	0	0	349

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		349	0	0	0	0	0	0	0	0	349
Next Step		0	0	0	0	0	0	349	0	0	349
	Total	349	0	0	0	0	0	349	0	0	698



Standard

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:

1	12110001-Cut	61.0	4130 - Aspen	6	48	Unspec ified	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest 3" spec leave Pine, Cedar, Hemlock and Oak if present. Green mark some Maple, Birch, and Basswood to leave. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Birch, Spruce/Fir, Pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
10	12110010-Cut	22.9	4131 - Aspen, Oak	9	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest using a 3"spec leave Cedar, Pine, Hemlock if present. Green mark some Bigtooth and Maple to leave for long ear bats. Green <u>Specs:</u> mark some oak to leave focusing on Wolf trees to Leave. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Birch, Oak, Pine, Spruce/fir <u>Regen:</u> <u>Other</u> Oak wilt spec. Trail spec. Contact Wildlife when marking oak. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
27	12110027-Cut	53.8	4130 - Aspen	6	48	Unspec ified	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest 3" spec leave Pine, Cedar, Hemlock and Oak if present. Green mark some maple, birch, and basswood to leave scattered <u>Specs:</u> throughout the stand. Do not operate within 660 feet of the river from May 1- September 30th. This is for wood turtles. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Birch, Maple, Basswood, Pine, Spruce, Fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

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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41 12110041-Cut	69.0	4130 - Aspen	6	48	Unspecified	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final Harvest to a 3" spec leaving Cedar, Oak, Hemlock, and Pine if present. Green mark some Maple and birch for leave trees.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Aspen, Maple, Birch, Pine
Regen:

Other Buffer vernal ponds. Trail spec.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

59 12110059-Cut	88.6	4139 - Aspen, Mixed Deciduous	9	63		Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final harvest 3"spec leave Pine, Cedar, Hemlock and Oak if present.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Aspen, Maple, Birch, Spruce/Fir, Pine
Regen:

Other Buffer Eagles nest, drainages, and river. Trail spec.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

82 12110082-Cut	53.7	4139 - Aspen, Mixed Deciduous	9	63		Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final harvest 3" spec leave Pine, Cedar, Hemlock and Oak if present. Patch of smaller diameter Aspen in the south will be the retention.
Specs: Green mark some Maple, Birch, and Basswood to leave.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Aspen, Birch, Maple. Spruce/Fir, Pine
Regen:

Other Trail spec. South of the trail Winter cut only for archeology.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Total Treatment 349
Acreage Proposed:

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Conditions							
Acres	Available	With Condition	Not Available		5C	2F	2G	2H	3J	5A	5E
1196	1134	0	63	Aspen				16	38		9
154	4	0	150	Cedar						150	
18	18	0	0	Exposed Rock							
9	9	0	0	Herbaceous Openland							
182	7	0	175	Lowland Aspen/Balsam Poplar			175				
31	31	0	0	Lowland Deciduous							
68	68	0	0	Lowland Shrub							
2	2	0	0	Lowland Spruce/Fir							
10	0	0	10	Mixed Upland Deciduous		10					
9	0	0	9	Natural Mixed Pines					9		
9	5	0	4	Northern Hardwood					4		
8	0	0	8	Oak					8		
49	49	0	0	Sand, Soil							
119	119	0	0	Upland Mixed Forest							
8	8	0	0	Upland Shrub							
41	41	0	0	Water							
69	4	65	0	White Pine	65						
1,982	1,499	65	418	Total Forested Acres	65	10	175	16	59	150	9
	76%	3%	21%	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	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	5E: Long-Term Retention	9	3D: Recreational/scenic values	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:								
High recreational area. Boat launch within stand. Buffer to Lake. Aesthetic buffer along 573.								

Report 4 – Site Conditions



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Majority of this stand is within 100 feet of Sturgeon River							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Rock cliff to North, Sturgeon River to South. No access for this approx 11 acres of timber.							
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Rugged terrain bordering Sturgeon River. Erosion concerns exist.							

Report 4 – Site Conditions



9	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	3A: Conservation values incompatible with harvest at this time	2F: Too steep	Unspecified	Unspecified
Comments: Rugged terrain bordering Sturgeon River. Erosion concerns present. Possible Type 1 Old growth as no sign of harvesting is present.							
10	Unavailable	2F: Too steep	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Stand is situated on top of a rock. Very little harvestable volume exists. Black Creek is the Northern border.							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Portions of this stand are operable once the Balsam Poplar matures. The pockets of pure Black Ash are not operable.							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep bank to Black Creek tributary.							
13	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small acreage next to Black Creek tributaries							
14	Unavailable	5A: Not able to obtain desirable regeneration	123	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Rich Goupell: Examiner

Compartment: 110

Year of Entry: 2027



15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5A: Not able to obtain desirable regeneration	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	151	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
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
1	4130 - Aspen	Poletimber Well	230.6	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size. Scattered supercanopy Pine and Oaks throughout. Many seeps and drains.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>5</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>80</td><td>Pole</td><td>6</td><td>48</td></tr><tr><td>Balsam Poplar</td><td>10</td><td>Pole</td><td>5</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	5	Pole	6		Quaking Aspen	80	Pole	6	48	Balsam Poplar	10	Pole	5		Balsam Fir	5	Pole/Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Spruce</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Red Pine	Low	Variable	Variable	White Spruce	Medium	Variable	Variable	White Pine	Low	Variable	Variable																					
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Bracken Fern	Medium	Not Applicable	Not Applicable																																																																			
3	6115 - Lowland Ash	Poletimber Poor	11.1	51	1-50	N/A	Stream running through middle of stand. More Ash and Tag closer to Sturgeon River.																																																															
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4	4133 - Aspen, Mixed Pine	Sapling Well	3.5	15	Immature	N/A	Harvested 2010. Many supercanopy Pines, Oaks, and conifers mixed throughout. More Aspen regen around edges of stand and on West side of road. Mature timber along buffer of Sturgeon River and county road. Within stand is an unofficial boat launch.																																																															
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5	4133 - Aspen, Mixed Pine	Sawtimber Well	8.9	84	Unspecified	N/A	Thick conifer understory. High recreational use area bordering Sturgeon River. Boat launch within stand.																																																															
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6	4134 - Aspen, Spruce/Fir	Sapling Well	0.7	25	Immature	N/A	Scattered supercanopy Oaks and Pines found throughout.																																																															
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20	4130 - Aspen	Poletimber Well	13.1	81	Unspecified	N/A	Rugged terrain bordering Sturgeon River. Scattered supercanopy Pines throughout.																																																					
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21	413 - Aspen	Poletimber Well	4.7	115	Unspecified	N/A	Entire stand within Riparian management zone. According last inventory cycle, it is a mix of Aspen/Maple/Black Ash.																																																					
22	720 - Exposed Rock	None	5.5			No	Some small inaccessible Oaks and Pines growing on top of rock																																																					
23	720 - Exposed Rock	None	12.4			No	Some small inaccessible Oaks and Pines growing on top of rock																																																					
24	4131 - Aspen, Oak	Sawtimber Well	15.6	89	81-110	N/A	Stand bounded by rock cliff to North, rivers to West and South. Accessing stand will be a problem due to these physical obstacles. Small lowland Aspen/Maple/Fir inclusion on far Western side of stand																																																					
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25	6120 - Lowland Cedar	Poletimber Well	5.4	81	Unspecified	N/A	Healthy Cedar stand. Spruce/Fir within stand is hit by budworm.																																																					
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26	6111 - Lowland Balsam Poplar	Poletimber Well	151.4	48	Unspecified	N/A	Large drainage system through the rocks. Some areas are pure Cedar, some areas pure Ash but the majority is lowland Aspen. Most of this stand was cut in late 70s. Some very small upland inclusions, less than 1 acre in size, are located in this stand.																																																					
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27	4130 - Aspen	Poletimber Well	95.9	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size. Scattered supercanopy Pine and Oaks throughout.																																																					
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28	6120 - Lowland Cedar	Poletimber Well	6.7	84	Unspecified	N/A																																																			
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29	4310 - Pine, Oak Mix	Poletimber Well	98.5	83	51-80	N/A	Most of this stand was not harvested in the 70s because it was too rugged and/or due to riparian concerns. Large boulders, many seeps and drains leading to Black Creek are found throughout stand. Black Ash and BAM in lowland areas of stand. Look at opportunities to treat when adjacent stands mature.																																																		
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30	6220 - Alder/Willow	None	48.8			No																																																			
31	42290 - Natural Mixed Pine	Sawtimber Well	8.6	135	81-110	N/A	Remnant stand that shows no signs of ever being harvested. Terrain is very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>10</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td>Log</td><td>10</td><td></td></tr><tr><td>White Pine</td><td>20</td><td>Log/XLog</td><td>16</td><td></td></tr><tr><td>Red Pine</td><td>50</td><td>Log/XLog</td><td>14</td><td>135</td></tr><tr><td>Hemlock</td><td>10</td><td>Pole/Log</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	10	Log/Pole	10		Red Oak	10	Log	10		White Pine	20	Log/XLog	16		Red Pine	50	Log/XLog	14	135	Hemlock	10	Pole/Log	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Musclewood/Hornbeam</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Musclewood/Hornbeam	Low	10 - 20 feet	10 - 20 feet	Quaking Aspen	Medium	>20 feet	>20 feet	Balsam Fir	Low	Variable	Variable	Beech	Low	Variable	Variable			
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32	4136 - Aspen, Mixed Conifer	Poletimber Well	104.6	44	Unspecified	N/A	Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand just starting to reach merchantability.																																																		
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33	4319 - Mixed Upland Forest	Poletimber Well	9.5	108	51-80	N/A	This stand should be managed with the adjacent compartment to the North as that is the only access. Appears to be a mix of Northern Hardwood/Aspen with some lowland portions near Black Creek.																																																		
34	500 - Water	None	2.5			No		Sturgeon River																																																	



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
46	6111 - Lowland Balsam Poplar	Poletimber Medium	5.0	48	Unspecified	N/A	Parts of this stand are wet meadow.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Poplar</td><td>90</td><td>Pole</td><td>8</td><td>48</td></tr><tr><td>Black Ash</td><td>10</td><td>Pole</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Poplar	90	Pole	8	48	Black Ash	10	Pole	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Ash</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Poplar</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Ash	Medium	Variable	Variable	Balsam Poplar	Medium	Variable	Variable									
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47	4130 - Aspen	Poletimber Well	6.3	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size.																																
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50	4130 - Aspen	Poletimber Well	2.2	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size.																																
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51	4130 - Aspen	Poletimber Well	1.6	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size.																																
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52	6111 - Lowland Balsam Poplar	Poletimber Well	2.0	48	Unspecified	N/A	Wet drainage																																
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53	6120 - Lowland Cedar	Poletimber Well	34.3	112	Unspecified	N/A																																	
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54	320 - Upland Shrub	None	3.0			No	Parts of this opening are WET																																
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