



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12110

Entry Year: 2027

Acreage: 1,942

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:

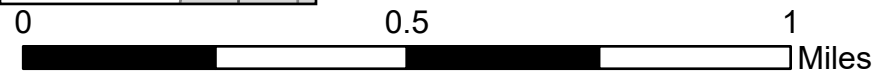
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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: 1,942 GIS Calculated
Examiner: Rich Goupell
Date Exported: 08/22/2025
Map Phase: Web Post



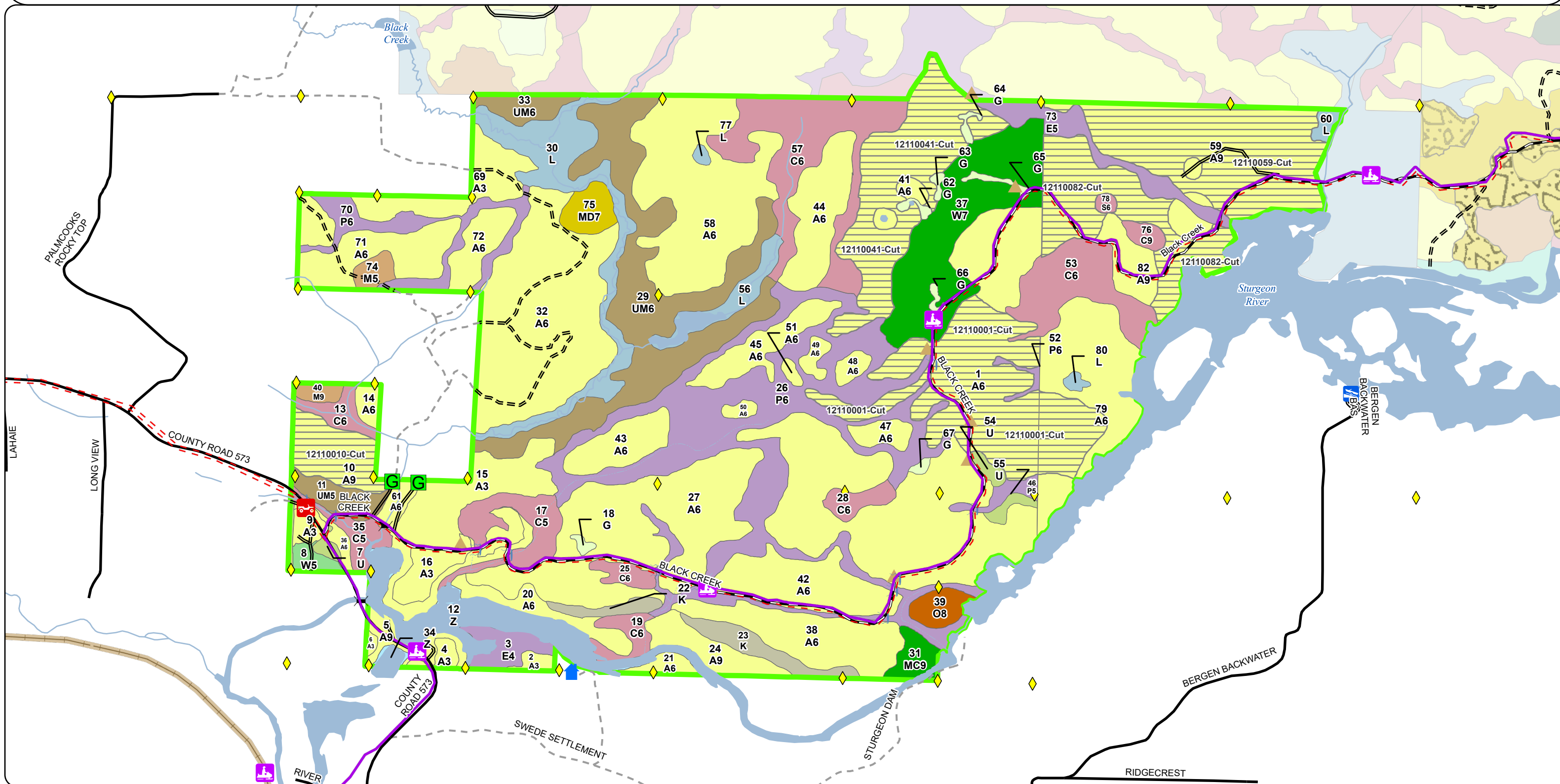
- Survey Grade Corners
- House
- Berms
- Gate
- Boating Access Site
- Bridges
- Culvert

== Designated ORV Routes

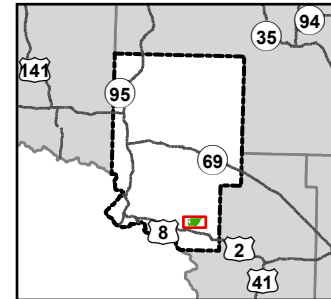
- Designated Snowmobile Trails
- RailTrail
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River

- Lakes and Rivers
- Counties
- 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



Stand Boundary Map



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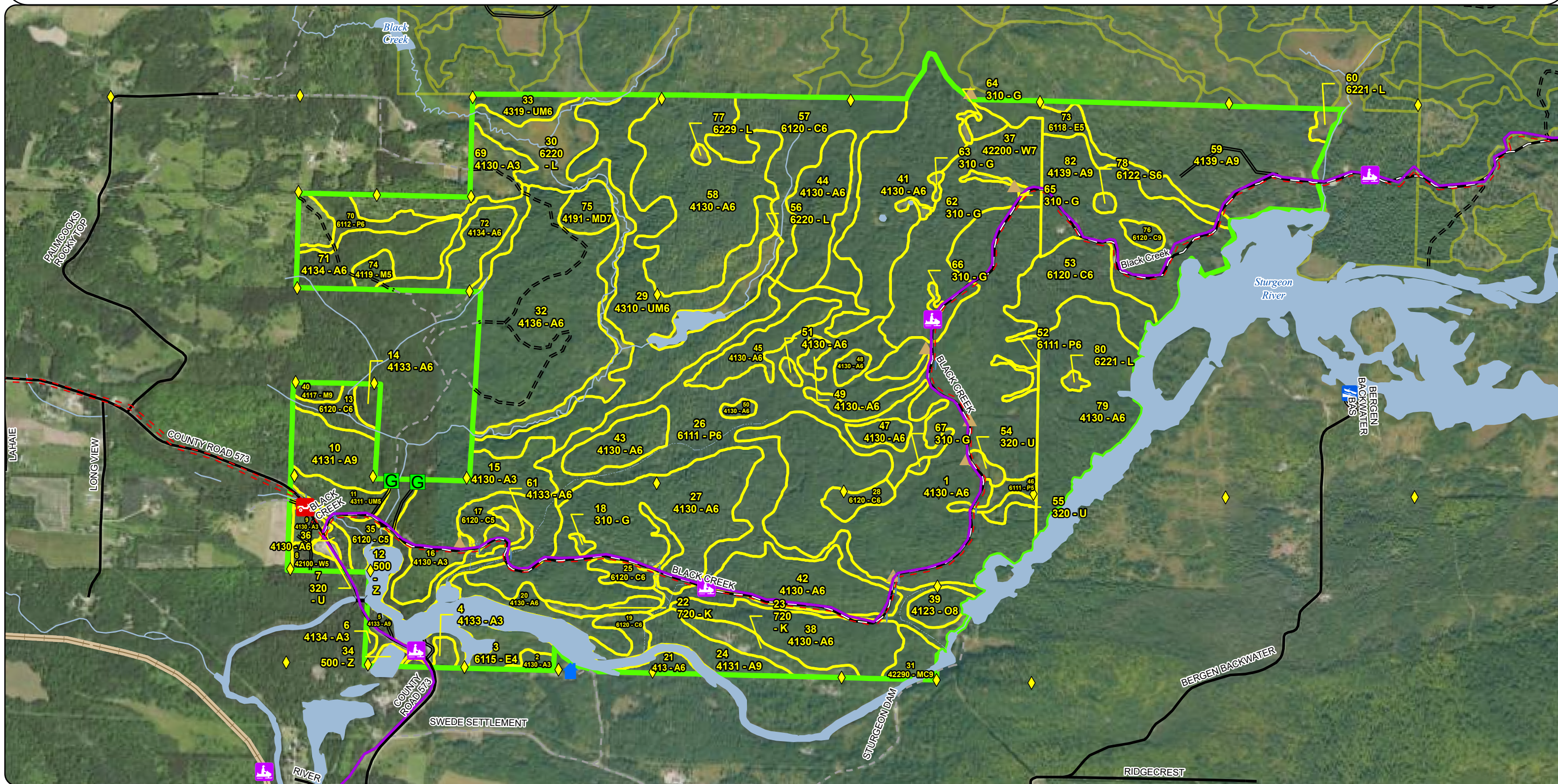
0 0.5 1 Miles

- Survey Grade Corners
- House
- Berms
- Gate
- Boating Access Site
- Bridges
- Culvert
- Designated ORV Routes

- Designated Snowmobile Trails
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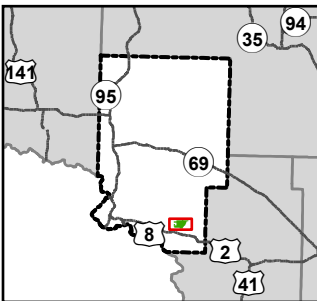
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Special Conservation Areas & Site Conditions Map

Compartment: 12110
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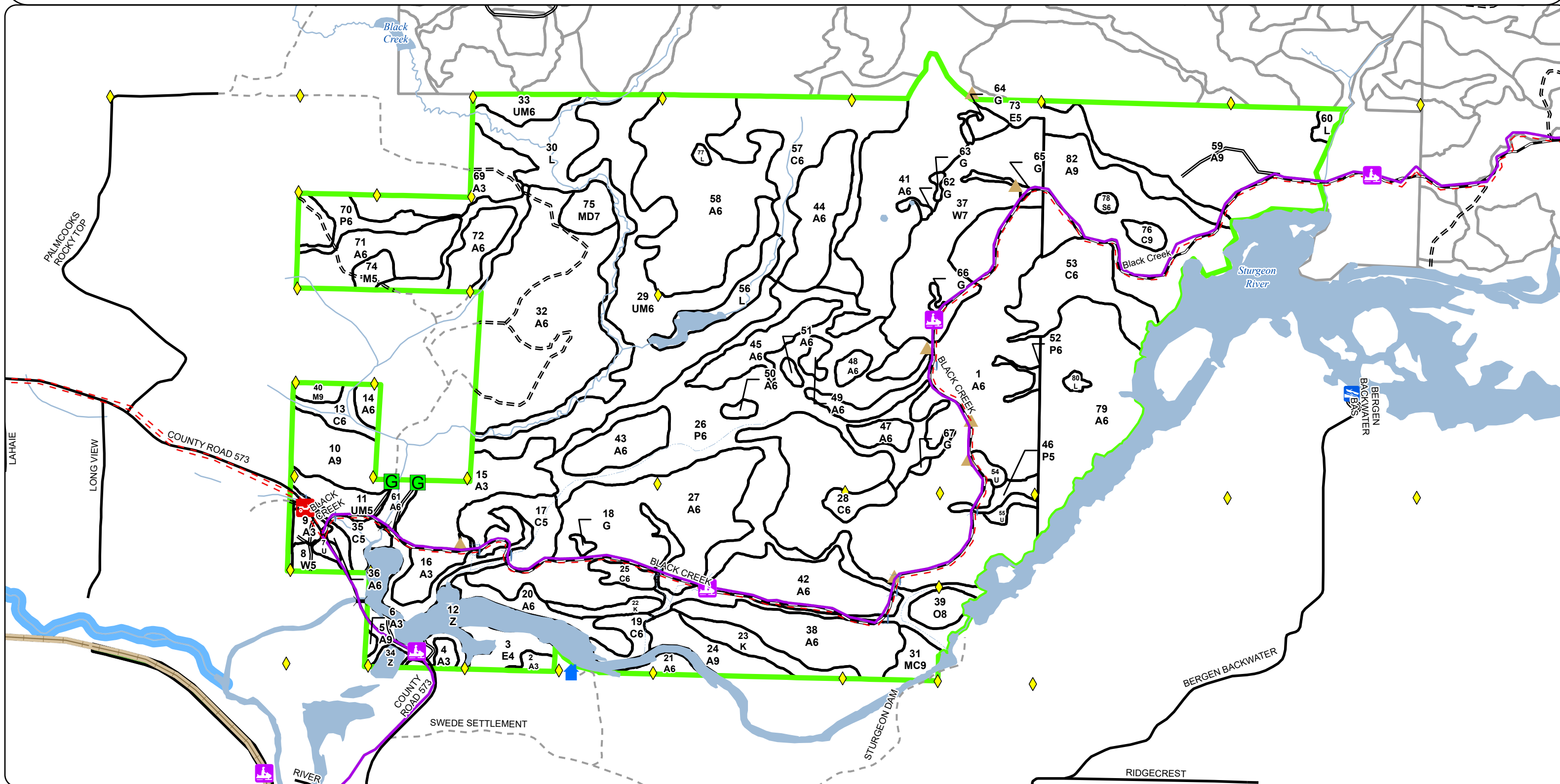


0 0.5 1 Miles

- Survey Grade Corners
- House
- Berms
- Gate
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- Bridges
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- Lakes and Rivers
- Counties
- 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	52	40	1	0	857	0	163	20	42	0	0	5	0	0	0	0	23	1203
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
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	10	0	0	0	0	0	99	119
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
White Pine	0	0	0	0	0	0	4	0	0	0	0	65	0	0	0	0	0	0	69
Total	146	52	40	1	0	1015	15	163	53	79	10	185	39	0	9	0	0	137	1943



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 110
Total Compartment Acres: 1,942

Commercial Harvest - 674
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		337	0	0	0	0	0	0	0	0	337
	Total	337	0	0	0	0	0	0	0	0	337

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		337	0	0	0	0	0	0	0	0	337
Next Step		0	0	0	0	0	0	337	0	0	337
	Total	337	0	0	0	0	0	337	0	0	673



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:

1	12110001-Cut	101.9	4130 - Aspen	6	48	Unspec fied	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 and Oak if present. Green mark some Bigtooth and Maple to leave for long ear bats. <u>Specs:</u> <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. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
41	12110041-Cut	69.0	4130 - Aspen	6	48	Unspec fied	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final Harvest to a 3" spec leaving Cedar, Oak, Hemlock, and Pine if present. Green mark some Maple and birch for leave trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Birch, Pine <u>Regen:</u> <u>Other</u> Buffer vernal ponds. Trail spec. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
59	12110059-Cut	88.6	4139 - Aspen, Mixed Deciduous	9	63		Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest 3"spec leave Pine, Cedar, Hemlock and Oak if present. <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> Buffer Eagles nest, drainages, and river. Trail spec. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

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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
82 12110082-Cut	54.2	4139 - Aspen, Mixed Deciduous	9	63		Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest 3" spec leave Pine, Cedar, Hemlock and Oak if present. Patch of smaller diameter Aspen in the south will be the retention. Green <u>Specs:</u> mark some Maple, Birch, and Basswood to leave. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Birch, Maple. Spruce/Fir, Pine <u>Regen:</u> <u>Other</u> Trail spec. South of the trail Winter cut only for archeology. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Total Treatment 336.6
 Acreage Proposed:



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

5C 2F 2G 2H 3J 5A 5E

1200	1136	0	64	Aspen				16	39		9
155	4	0	151	Cedar						151	
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		
119	119	0	0	Upland Mixed Forest							
9	9	0	0	Upland Shrub							
42	42	0	0	Water							
70	4	65	0	White Pine	65						
1,939	1,453	65	421	Total Forested Acres	65	10	175	16	60	151	9
	75%	3%	22%	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.								



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)	4	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:							



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				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
14	4133 - Aspen, Mixed Pine	Poletimber Well	4.2	84	Unspecified	N/A	Most of Birch has fallen out of stand. Aspen in decline. Pocket of Red Pine on top of hill. Stand is situated on top of hill sloping down to stream.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Seedling	6		Beech		Low	Variable	Variable
Red Maple		5	Sapling	6		Balsam Fir		Low	Variable	Variable
Red Pine		20	Seedling	8		Red Maple		Medium	Variable	Variable
Sugar Maple		3	Seedling	6						
Hemlock		5	Seedling	6						
Bigtooth Aspen		65		9	84					
15	4130 - Aspen	Sapling Well	33.7	14	Immature	N/A	Harvested 2011. Many different species of trees retained in overstory from last cut. Pines and Oak found throughout.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		90	Log	1	14	Hazelnut (Beaked)		Low	5 - 10 feet	5 - 10 feet
White Pine		5	Log	1						
Balsam Fir		5	Log	3						
16	4130 - Aspen	Sapling Well	16.2	7	Unspecified	N/A	Varying densities and ages of Aspen throughout stand. Higher stocking levels to South. Stand 16 was harvested with Cornea Timber Sale #12-006-17. (2018)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Log	1		White Pine		Medium	>20 feet	>20 feet
White Pine		5		10		White Pine		Medium	Variable	Variable
Quaking Aspen		90	Log	1	7	Balsam Fir		Low	Variable	Variable
						White Spruce		Low	Variable	Variable
						Hazelnut (Beaked)		High	5 - 10 feet	5 - 10 feet
						Red Oak	Low	>20 feet	>20 feet	
17	6120 - Lowland Cedar	Poletimber Medium	21.4	106	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		15	Sapling	7		Balsam Fir		High	Variable	Variable
Balsam Poplar		5		12		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Black Spruce		5	Seedling	6						
Black Ash		5	Seedling	6						
Northern White Cedar		50	Seedling	7	106					
Tamarack		15	Seedling	8						
White Pine		5		14						
18	310 - Herbaceous Openland	None	1.2			No				
19	6120 - Lowland Cedar	Poletimber Well	7.8	74	Unspecified	N/A	Stream through stand. Pure Black Ash near Sturgeon River and NW parts of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		80	Sapling	6	74	Black Ash		Medium	Variable	Variable
Black Ash		20	Sapling	6		Balsam Fir		Low	Variable	Variable



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28	6120 - Lowland Cedar	Poletimber Well	6.7	84	Unspecified	N/A																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Ash</td><td>10</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Tamarack</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Black Spruce</td><td>20</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>60</td><td>Seedling</td><td>6</td><td>84</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Ash	10	Sapling	6		Tamarack	10	Seedling	8		Black Spruce	20	Seedling	6		Northern White Cedar	60	Seedling	6	84	<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>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet																		
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Balsam Fir	Medium	Variable	Variable																																																							
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																							
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.																																																			
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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																																																		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
40	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	3.8	120	81-110	N/A	Very diverse stand. Pinned in between rock wall to North and creeks to South and East. Red Pine on far Western boundary of stand. WLD notified of point within stand.																																																
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41	4130 - Aspen	Poletimber Well	73.5	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size. Scattered supercanopy Pine and Oaks throughout. Many drainages and seeps. Some scattered White pine																																																
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42	4130 - Aspen	Poletimber Well	35.6	48	Unspecified	N/A	Harvested in late 1970s. Aspen is just reaching merchantability size. Pockets of Oak and Pine throughout stand.																																																
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43	4130 - Aspen	Poletimber Well	17.5	49	51-80	N/A	Stand is just starting to reach merchantable size. Spruce/Fir in understory being hit hard by Budworm but not losing much volume as Spruce/Fir is not merchantable. Stand is very rugged with boulders and steep areas. Lowland drains are present within stand. Some scattered supercanopy Pines mixed throughout.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
73	6118 - Lowland Deciduous with Cedar	Poletimber Medium	19.7	73	Unspecified	N/A																																																			
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74	4119 - Mixed Northern Hardwoods	Poletimber Medium	5.1	73	1-50	N/A	Hardwood stand on rock. Poor form and low volume. Large Oaks throughout.																																																		
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Sugar Maple	Low	Variable	Variable																																																						
75	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	9.6	105	1-50	N/A	Very rugged. Situated on top of a rock. Low volume due to lack of soil. Hemlock on NW hillside.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Hemlock</td><td>30</td><td>Sapling</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>14</td><td></td></tr><tr><td>Red Oak</td><td>40</td><td></td><td>14</td><td>105</td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td></td><td>12</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	30	Sapling	7		White Pine	10		14		Red Oak	40		14	105	Bigtooth Aspen	20		12		<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 Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Hemlock</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Spruce</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 Maple	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Hemlock	Medium	Variable	Variable	White Spruce	Low	Variable	Variable					
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76	6120 - Lowland Cedar	Sawtimber Well	3.9	100		N/A																																																			
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77	6229 - Mixed Lowland Shrub	None	1.2			No																																																			
78	6122 - Black Spruce	Poletimber Well	1.6	95		N/A																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
79	4130 - Aspen	Poletimber Well	70.7	48		N/A	A few scattered super canopy White Pines. A few Black Ash drainages in stand. Black Ash is dying from EAB. Stand will hold for another ten years, recommend cutting it than.		
					Sub-Canopy Species	Density		Avg. Height	Size
					White Pine	Low		Variable	Variable
					Ironwood	Low		Variable	Variable
80	6221 - Fen	None	1.5			No	Willow swamp		
82	4139 - Aspen, Mixed Deciduous	Sawtimber Well	72.3	63		N/A			
					Sub-Canopy Species	Density		Avg. Height	Size
					Balsam Fir	Medium		Variable	Variable