



# Compartment Review Presentation

## Crystal Falls Forest Management Unit

Compartment 12150

Entry Year 2025

Acreage: 1,274

County Iron

Management Area: Way Dam Complex

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**Stand Examiner:** Scott Sebero

### Legal Description:

T44N-R32W sections 28, 29, 31, 32 and 33.

T43N-R32W section 5.

### Identified Planning Goals:

Our management goals in this compartment are to develop age class distribution in aspen types, maintain health of conifer types and increase acreage where possible, and to develop the quality while maintaining diversity in hardwood types.

### Soil and topography:

Land is nearly level to hilly with a mix of Saronia soils that are excessively drained to well-drained, loamy and sandy soils on ground moraines and end moraines and Cathro soils that are irregular depressions within these moraines that are poorly drained black muck.

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

Ownership

patterns in this compartment consist mostly of State lands and timber company lands with some small private parcels and hunting camps. Lands in and around this compartment are used mainly for hunting and managed for forest products.

### Unique Natural Features:

No Unique Natural Features known.

### Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

### Special Management Designations or Considerations:

### Watershed and Fisheries Considerations:

Upper Holmes Lake and Holmes Creek. This compartment contains Saint Paul Creek, a portion of Upper Holmes Lake and unnamed tributaries and wetlands. Best management practices should be implemented which include a 100' buffer.

### Wildlife Habitat Considerations:

This compartment has had limited access until the last 30 years because of the terrain and drainages. Less than 20% of this compartment is typed lowland conifer or hardwood type, but there is potential for expansion of these types in the future. Past treatments in the aspen types have resulted in fragmentation and creation of islands of lowland types. Attempts should be made in the future to restore and expand the continuity of these types. Due to spruce budworm, natural conifer losses in addition to harvests of the spruce and fir to pre-emptively prevent losses, the remaining conifer types, hemlock, cedar, pine and sub-merchantable conifer should be retained in the uplands and lowlands to provide habitat components important to wildlife species such as; deer, bear, fisher, marten, and blackburnian warblers.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Hemlock, Randville Dolomite, Intrusive and Archean Granite/Gneiss subcrop below the glacial drift. The Randville and the Granite/Gneiss could be used for decorative or building stone. Abandoned iron mines are located five miles to the southwest. This compartment was not previously leased for metallic exploration, but leases are located in this general area and potential may exist. The nearest gravel pit is three miles to the west, but there should be potential in the compartment. There is no economic oil and gas production in the UP.

### Vehicle Access:

No legal access to most of the western portion of this compartment.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

**Fire Protection:**

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

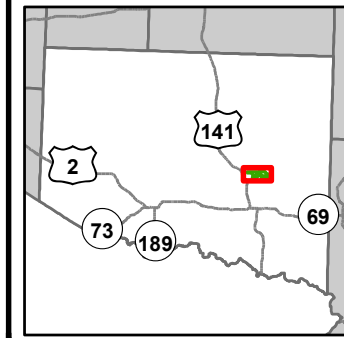
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

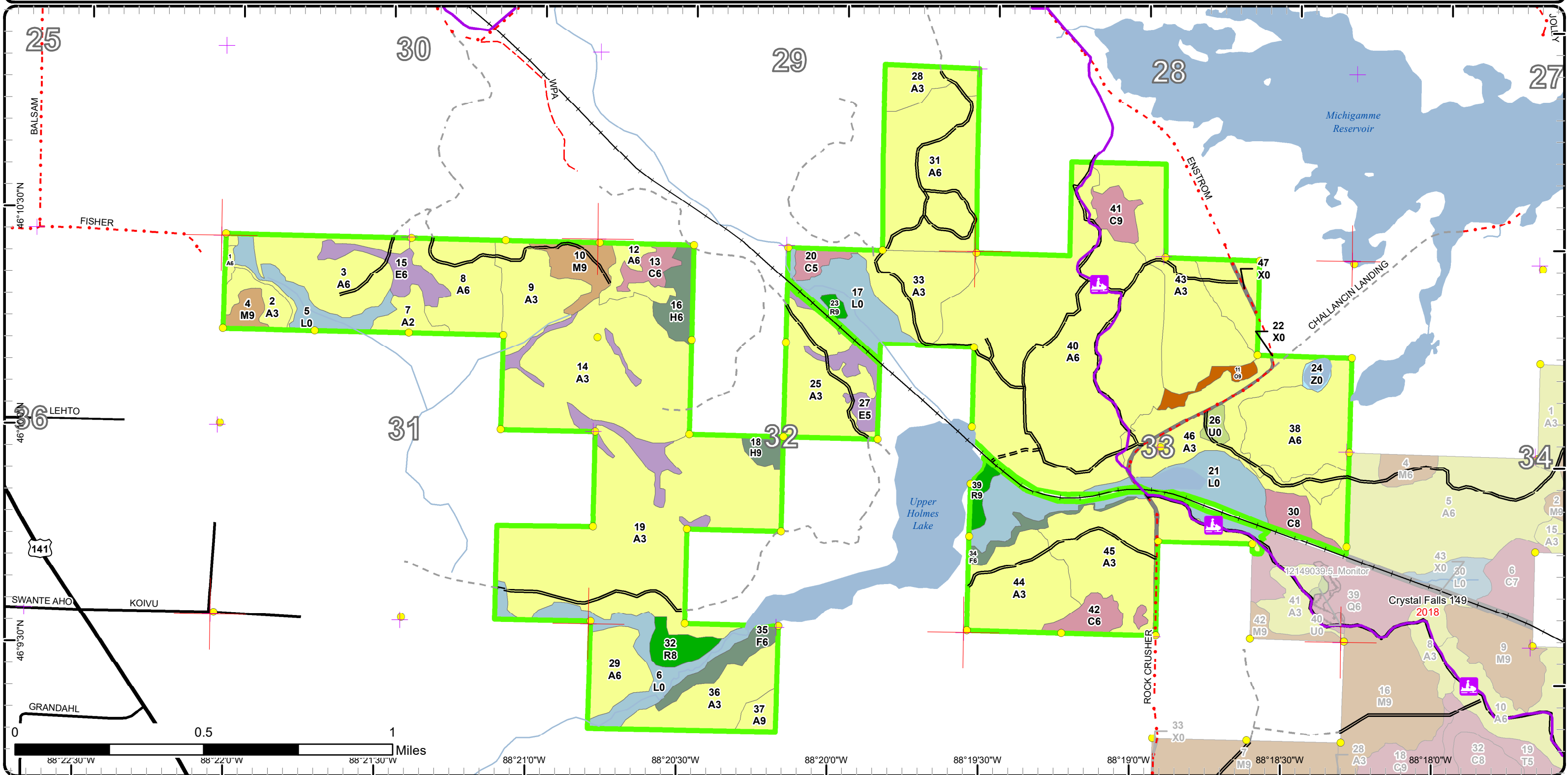
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 150  
 T44N, R32W, Sec. 28-29, 31-33  
 T43N, R32W, Sec. 05  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Way Dam Complex  
 YOE: 2025  
 Acres: 1274.4 GIS Calculated  
 Examiner: Scott Sebero  
 Map Revised: 8/1/2023  
 Map Phase: Review

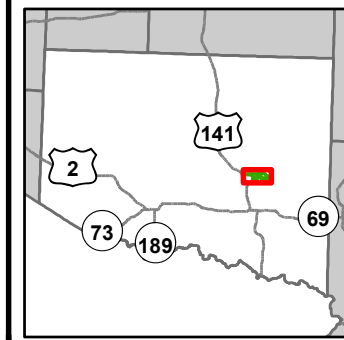


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub

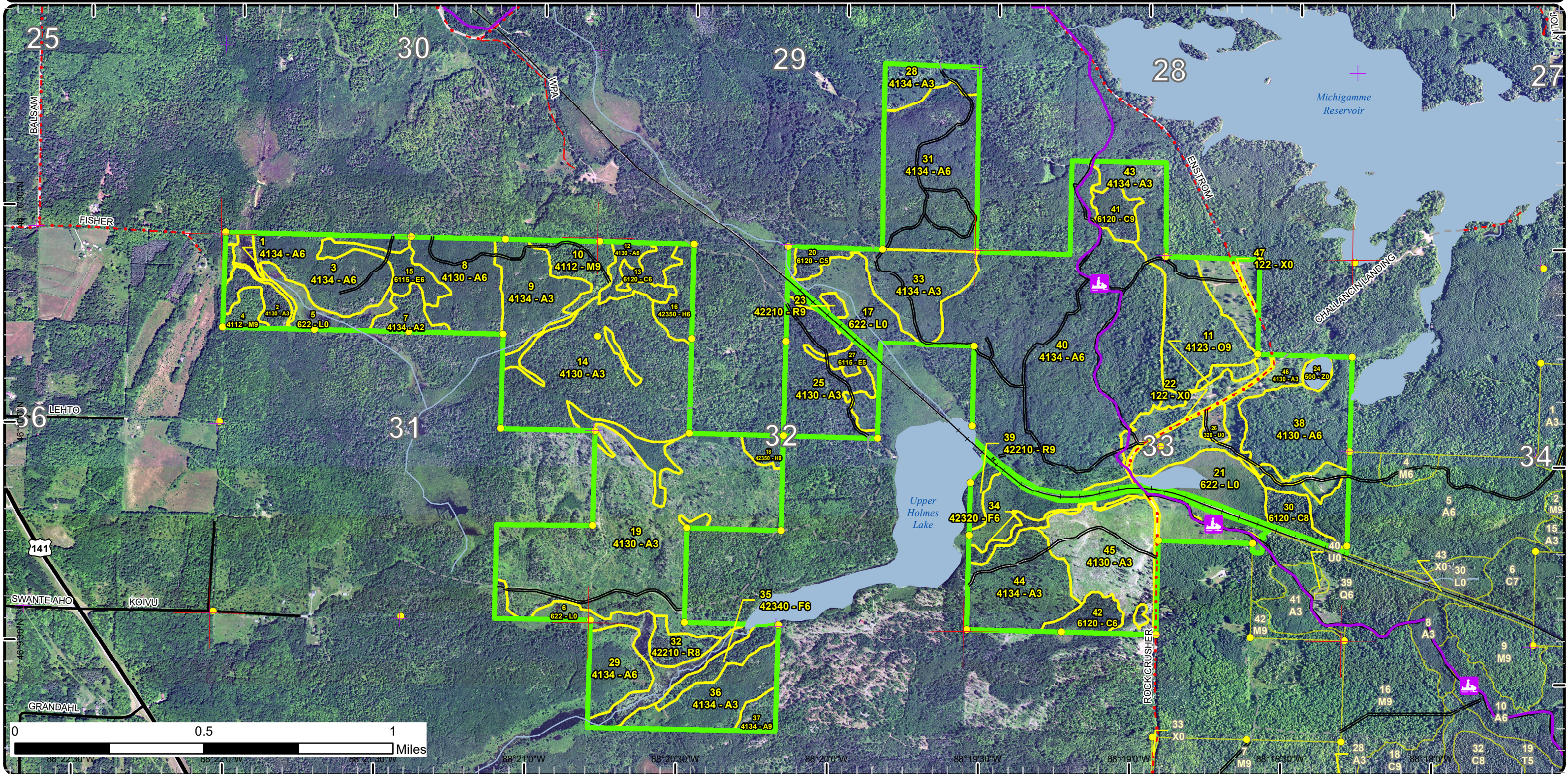


# Stand Boundary Map

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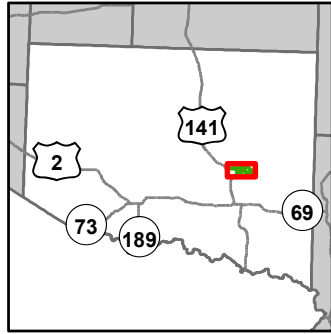


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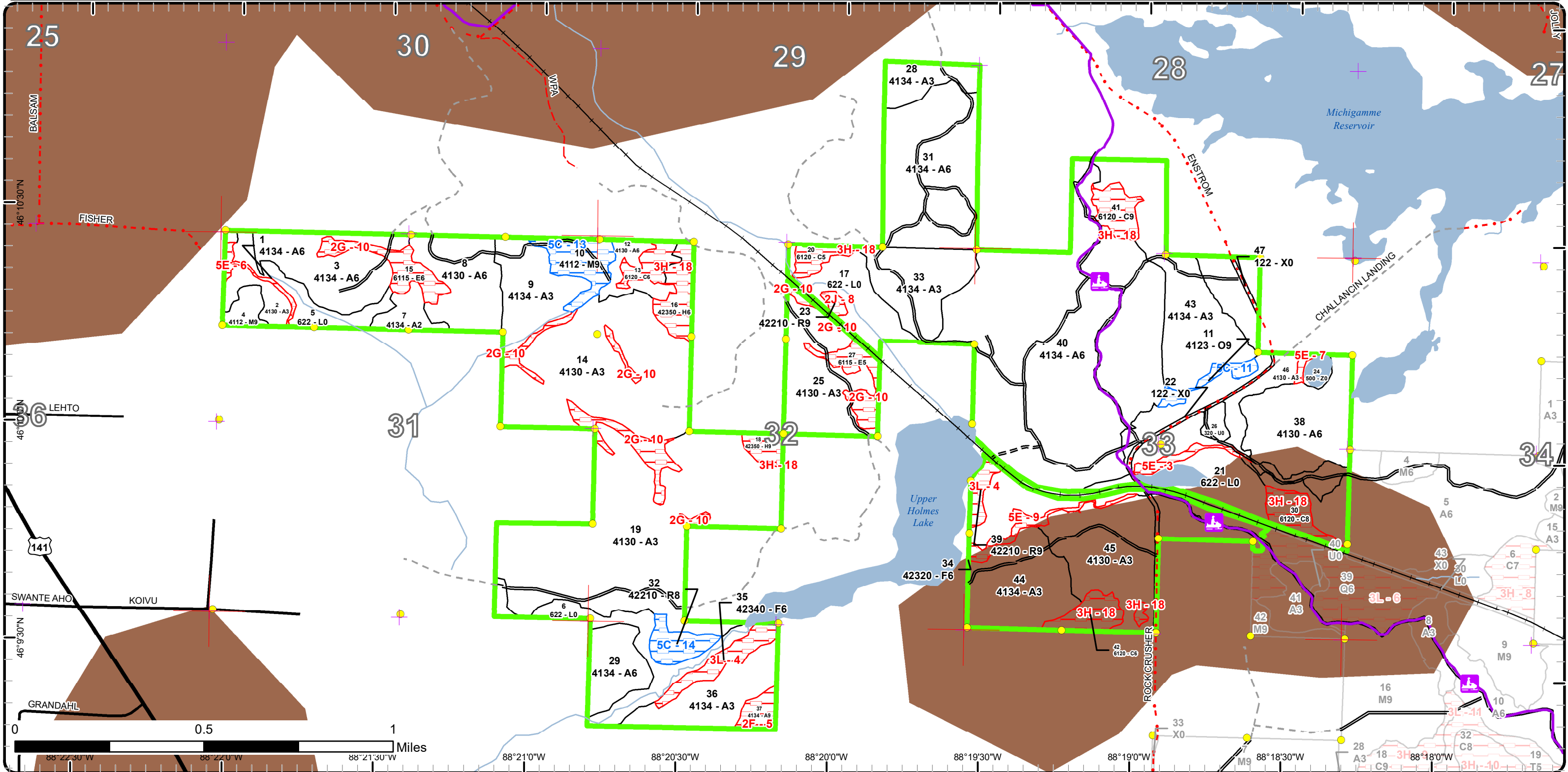


# Special Conservation Areas

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- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 🔴 Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- 🟩 Stand Boundaries
- 🟤 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+	Unseen-Aged	Total
Aspen	0	398	134	117	348	0	0	3	0	6	0	0	0	0	0	0	0	0	1006
Cedar	0	0	0	0	0	0	0	0	0	0	12	28	0	0	0	0	0	0	39
Hemlock	0	0	0	0	0	0	0	11	0	0	5	0	0	0	0	0	0	0	16
Lowland Deciduous	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	38
Lowland Shrub	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	19
Oak	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	0	0	0	0	0	11	5	0	0	0	0	0	0	16
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	0	5	0	0	10	0	0	0	0	0	0	0	0	15
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>122</b>	<b>398</b>	<b>134</b>	<b>117</b>	<b>348</b>	<b>0</b>	<b>5</b>	<b>14</b>	<b>0</b>	<b>54</b>	<b>28</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1276</b>



## Report 2 – Treatment Summary

**Crystal Falls Mgt. Unit**  
**Year of Entry: 2025**

**Compartment 150**  
**Total Compartment Acres: 1,274**

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### Acres of Harvest

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

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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

Total Treatment  
Acreage Proposed: 0



## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 150

Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
992	0	13	13

### Dominant Site Conditions

	Acres	Available	With Condition	Not Available	Dominant Site Condition	Dominant Site Conditions						
						5C	2F	2G	2J	3H	3L	5E
1005	992	0	13		Aspen		5				0	8
39	0	0	39		Cedar					39		
16	0	0	16		Hemlock					16		
38	0	0	38		Lowland Deciduous			38				
108	108	0	0		Lowland Shrub						0	
19	6	14	0		Northern Hardwood	14						
5	0	5	0		Oak	5						
15	0	9	7		Red Pine	9			2		5	
3	3	0	0		Upland Shrub							
15	0	0	15		Upland Spruce/Fir						10	5
6	6	0	0		Urban							
3	3	0	0		Water							
1,275	1,120	27	128		Total Forested Acres	27	5	38	2	56	14	13
	88%	2%	10%		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
2	Unavailable	2F: Too steep	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> inoperable.							
3	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	3L: Other wildlife concerns	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> buffer for Holmes creek							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 150

Year of Entry: 2025

5	<b>Unavailable</b>	<b>2F: Too steep</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> steep rocky hill side.							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>2J: Blocked by Railroad</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	38	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 150

Year of Entry: 2025

12	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Low volume due to small acres and low BA.							
14	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	56	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
1	4134 - Aspen, Spruce/Fir	Poletimber Well	2.8	60	51-80	N/A																																									
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5	622 - Lowland Shrub	Nonstocked	15.3		Unspecified	No																																									
6	622 - Lowland Shrub	Nonstocked	25.0		Unspecified	No																																									
7	4134 - Aspen, Spruce/Fir	Sapling Medium	8.3	4	Immature	N/A	Beaver Pond 12-077-15																																								
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Balsam Fir	Medium	Variable	Sapling																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4130 - Aspen	Poletimber Well	30.2	30	51-80	N/A	Hulko's Rock 12-007-87
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Sapling/Pole	4		Hazelnut (American)	
Quaking Aspen		75	Pole/Sapling	5	30	Low	
Balsam Fir		10	Sapling/Pole	4		5 - 10 feet	
						Tall Shrub	
9	4134 - Aspen, Spruce/Fir	Sapling Well	27.3	20	Immature	N/A	Hulk's Return 12-075-99
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		80	Sapling/Pole	4	20	Hazelnut (American)	
White Spruce		10	Sapling/Pole	4	20	Low	
Balsam Fir		10	Sapling/Pole	4	20	< 5 feet	
						Tall Shrub	
10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.7	102	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		65	Log/Pole/Sap	12	102	Sugar Maple	
Red Maple		30	Log/Pole/Sap	12	102	Low	
Yellow Birch		5	Log/Pole	12	102	Variable	
						Sapling	
11	4123 - Red Oak	Sawtimber Well	4.9	100	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		90	Log/Pole/Sap	12	100	Quaking Aspen	
White Pine		10	Pole/Log/Sap	8		Medium	
						10 - 20 feet	
						Sapling	
						Hazelnut (American)	
						Low	
						5 - 10 feet	
						Tall Shrub	
						White Pine	
						Medium	
						Variable	
						Sapling	
12	4130 - Aspen	Poletimber Well	8.8	25	1-50	N/A	Little Stinkers 12-025-95
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Poplar		20	Pole/Sapling	5	25	Tag Alder	
Quaking Aspen		70	Pole/Sapling	5	25	Medium	
Balsam Fir		10	Sapling/Pole	4	25	5 - 10 feet	
						Tall Shrub	
13	6120 - Lowland Cedar	Poletimber Well	6.8	99	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		60	Log/Pole	10	99	Balsam Fir	
Black Ash		30	Pole/Log/Sap	6		Low	
Balsam Fir		5	Pole/Sap/Log	6		Variable	
Black Spruce		5	Pole/Sap/Log	6		5 - 10 feet	
						Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>14</b>	4130 - Aspen	Sapling Well	88.0	4	Immature	N/A	Beaver Pond 12-077-15
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	1		Red Maple	Low	Variable	Sapling
Balsam Fir	10	Sapling	1		White Spruce	Low	Variable	Sapling
Quaking Aspen	85	Sapling	1	4	Hazelnut (American)	Low	< 5 feet	Tall Shrub

<b>15</b>	6115 - Lowland Ash	Poletimber Well	26.6	80	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole/Sap	10		Ash (spp.)	Low	Variable	Sapling
Paper Birch	5	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	5	Log/Pole	10					
Black Ash	85	Pole/Log/Sap	8	80				

<b>16</b>	42350 - Upland Hemlock	Poletimber Well	11.2	60	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	50	Pole/Sap/Log	8	60	Hemlock	Low	Variable	Sapling
White Spruce	10	Pole/Sapling	6		White Spruce	Low	Variable	Sapling
White Pine	5	Pole/Sapling	6					
Balsam Fir	10	Pole/Sapling	6					
Red Maple	15	Pole/Sapling	6					
Quaking Aspen	10	Pole/Sapling	6					

<b>17</b>	622 - Lowland Shrub	Nonstocked	23.3		Unspecified	No	
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<b>18</b>	42350 - Upland Hemlock	Sawtimber Well	4.9	99	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole/Sap	14		Balsam Fir	Low	Variable	Sapling
Balsam Fir	10	Pole/Log/Sap	8					
Red Maple	10	Pole/Log/Sap	12					
White Spruce	10	Log/Pole/Sap	10					
Hemlock	65	Log/Pole	12	99				

<b>19</b>	4130 - Aspen	Sapling Well	141.7	9	Immature	N/A	Big Bear 12-57-11 Aspen regeneration cut; retained pine, cedar, hemlock and oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	90	Sapling	2	9	Hazelnut (American)	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Sapling/Pole	3					
Red Maple	5	Sapling	2					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
20	6120 - Lowland Cedar	Poletimber Medium	5.2	99	1-50	N/A																																										
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21	622 - Lowland Shrub	Nonstocked	44.8		Unspecified	No																																										
22	122 - Road/Parking Lot	Nonstocked	5.0		Unspecified	No	Rock Crusher Road.																																									
23	42210 - Natural Red Pine	Sawtimber Well	1.8	99	141-170	N/A																																										
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Balsam Fir	Low	Variable	Sapling																																													
24	500 - Water	Nonstocked	3.5		Unspecified	No	Pond.																																									
25	4130 - Aspen	Sapling Well	37.2	4	Immature	N/A	Beaver Pond 12-077-15																																									
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26	320 - Upland Shrub	Nonstocked	3.5		Unspecified	No																																										
27	6115 - Lowland Ash	Poletimber Medium	11.0	85	1-50	N/A																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>28</b>	4134 - Aspen, Spruce/Fir	Sapling Well	13.4	16	Immature	N/A	Rock Ridge Aspen 12-056-05		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		10	Sapling/Pole	3	16	Hazelnut (American)	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		80	Sapling/Pole	3	16				
White Spruce		10	Sapling/Pole	3	16				
<b>29</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	18.8	25	1-50	N/A	Grouse Covey 12-022-95		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Spruce		10	Sapling/Pole	4		Hazelnut (American)	Medium	< 5 feet	Tall Shrub
Balsam Fir		10	Sapling/Pole	4					
Quaking Aspen		80	Pole/Sapling	5	25				
<b>30</b>	6120 - Lowland Cedar	Sawtimber Medium	9.0	102	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Poplar		5	Pole/Log/Sap	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar		55	Log/Pole	10	102	Black Spruce	Low	Variable	Sapling
Black Spruce		20	Pole/Sapling	6					
Black Ash		5	Pole/Log/Sap	8					
Balsam Fir		15	Pole/Sapling	6					
<b>31</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	65.0	36	51-80	N/A	Hard Bottom Sale 12-001-85		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		10	Pole/Sapling	5		Hazelnut (American)	Medium	< 5 feet	Tall Shrub
White Spruce		10	Pole/Sapling	5					
Quaking Aspen		80	Pole/Sapling	6	36				
<b>32</b>	42210 - Natural Red Pine	Sawtimber Medium	8.6	99	51-80	N/A	Thinned 2014 Big Bear 12-057-11		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		95	Log/XLog/Pole	14	99	Hazelnut (American)	Low	< 5 feet	Tall Shrub
White Pine		5	Log/XLog	14	99	Balsam Fir	Medium	Variable	Sapling
<b>33</b>	4134 - Aspen, Spruce/Fir	Sapling Well	30.7	16	Immature	N/A	Rock Ridge 12-056-05		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		75	Sapling	3	16	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Balsam Fir		10	Sapling	3	16				
White Pine		5	Log/XLog/Pole	14					
White Spruce		10	Sapling	3	16				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**34** 42320 - Upland Spruce Poletimber Well 5.4 50 51-80 N/A Buffer/ travel corridor for Chuck's Aspen 12-056-15

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	25	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	10	Pole/Log/Sap	8	50	White Spruce	Medium	Variable	Sapling
Red Pine	5	Log/Pole/Sap	12		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
White Spruce	60	Pole/Sap/Log	8	50				

**35** 42340 - Upland Spruce/Fir Poletimber Well 9.7 80 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log/Pole/Sap	10	80	Balsam Fir	Medium	Variable	Sapling
White Spruce	25	Pole/Log/Sap	8	80	Red Maple	Low	Variable	Sapling
Balsam Fir	35	Pole/Log/Sap	8	80	Hazelnut (American)	Low	< 5 feet	Tall Shrub
White Pine	5	Log/Pole/XLog	10					
Quaking Aspen	20	Log/Pole	10	80				

**36** 4134 - Aspen, Spruce/Fir Sapling Well 26.9 23 Immature N/A Screaming Hawk 12-002-98

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Sapling/Pole	4	23	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Quaking Aspen	80	Sapling/Pole	4	23				
White Spruce	10	Sapling/Pole	4	23				

**37** 4134 - Aspen, Spruce/Fir Sawtimber Well 5.5 80 81-110 N/A Steep, rocky hill.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Pole/Log/Sap	8		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole/Log/Sap	6		Hazelnut (American)	Low	< 5 feet	Tall Shrub
Red Maple	40	Log/Pole/Sap	10	80				
Quaking Aspen	40	Log/Pole/Sap	10	80				

**38** 4130 - Aspen Poletimber Well 51.8 37 51-80 N/A Rock Outcrop 2 Sale 12-012-85

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log/Pole/Sap	12		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	5	37				
White Spruce	5	Pole/Sapling	5	37				
Red Maple	5	Pole/Sapling	5	37				
Quaking Aspen	80	Pole/Sapling	6	37				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	42210 - Natural Red Pine	Sawtimber Well	4.8	100	141-170	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		70	Pole/Log/Sap	12	100	White Spruce	
White Spruce		5	Pole/Log/Sap	8		Balsam Fir	
White Pine		20	Log/Pole/Sap	12	100		
Balsam Fir		5	Pole/Sapling	6			
						<b>Density</b>	<b>Avg. Height</b>
						Low	Variable
						Low	Variable
							<b>Size</b>
							Sapling
							Sapling
40	4134 - Aspen, Spruce/Fir	Poletimber Well	200.9	33	51-80	N/A	Rock Outcrop 1 Sale 12-009-85
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		10	Pole/Sapling	5	33	White Pine	
Quaking Aspen		80	Pole/Sapling	6	33	Hazelnut (American)	
Balsam Fir		10	Pole/Sapling	5	33		
						<b>Density</b>	<b>Avg. Height</b>
						Low	Variable
						Low	< 5 feet
							<b>Size</b>
							Sapling
							Tall Shrub
41	6120 - Lowland Cedar	Sawtimber Well	8.6	102	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		80	Log/Pole	12	102	Balsam Fir	
Balsam Fir		10	Pole/Log/Sap	8		Tag Alder	
Black Spruce		10	Pole/Sap/Log	8		Black Spruce	
						<b>Density</b>	<b>Avg. Height</b>
						Low	Variable
						Low	5 - 10 feet
						Low	Variable
							<b>Size</b>
							Sapling
							Tall Shrub
							Sapling
42	6120 - Lowland Cedar	Poletimber Well	9.9	102	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Tamarack		15	Log/Pole/Sap	10		Black Spruce	
Northern White Cedar		70	Pole/Log	10	102	Balsam Fir	
Black Spruce		15	Pole/Log/Sap	8		Tag Alder	
						<b>Density</b>	<b>Avg. Height</b>
						Low	Variable
						Medium	Variable
						Low	5 - 10 feet
							<b>Size</b>
							Sapling
							Sapling
							Tall Shrub
43	4134 - Aspen, Spruce/Fir	Sapling Well	52.5	17	Immature	N/A	Trimbled Aspen 12-059-05
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		80	Sapling/Pole	4	17	Hazelnut (American)	
White Spruce		10	Sapling/Pole	4	17		
Balsam Fir		10	Sapling/Pole	4	17		
						<b>Density</b>	<b>Avg. Height</b>
						Low	< 5 feet
							<b>Size</b>
							Tall Shrub
44	4134 - Aspen, Spruce/Fir	Sapling Well	37.3	15	Immature	N/A	White Rabbit Aspen 12-058-05
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		5	Log/Pole/Sap	12		Hazelnut (American)	
White Spruce		10	Sapling	3	15		
Balsam Fir		10	Sapling	3	15		
Quaking Aspen		75	Sapling	3	15		
						<b>Density</b>	<b>Avg. Height</b>
						Low	< 5 feet
							<b>Size</b>
							Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
<b>45</b>	4130 - Aspen	Sapling Well	55.9	8	Immature	N/A	Chuck's Aspen 12-056-15																																		
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<b>46</b>	4130 - Aspen	Sapling Well	58.5	8	Immature	N/A	Chuck's Aspen 12-056-15																																		
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<b>47</b>	122 - Road/Parking Lot	Nonstocked	1.0		Unspecified	No	Enstrom Road.																																		