



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12164

Entry Year 2022

Acreage: 576

County Iron

Management Area: Panola Plains

Revision Date: 2020-10-19

Stand Examiner: Scott Sebero

Legal Description:

T42N, R31W, Section 19 T42N, R32W, Section 24.

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 Karlin and Vilas soils that are excessively drained to well-drained, loamy and sandy soils on ground moraines, end moraines and outwash plains. Some areas contain rock outcrops up to 50 feet in height. Some narrow depressions contain Cathro soils that are poorly drained black muck.

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

Ownership patterns in and around this compartment consist mostly of State lands with some power company lands and a few private parcels. These lands are used mainly for hunting and managed for forest products.

Unique Natural Features:

Paint River is just to the South of compartment.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains an unnamed drainage area that flows into Peavy Pond and should have a 100' buffer implemented; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment is part of the historical Little Bull and Lake Mary Deeryards. Functional cover is critically important. This area is also influenced by Peavey Pond and the Paint River system. Ownership patterns in and around this compartment consist mostly of State lands with some power company lands and a few private parcels. These lands are used mainly for hunting and managed for forest products.

Mineral Resource and Development Concerns and/or Restrictions

: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Michigamee and Hemlock Formations subcrop below the glacial drift. There is not a current economic use for the Michigamee. The abandoned Crystal Falls iron mines are located six miles to the west. This compartment was previously leased for metallic exploration. The nearest gravel pit is three miles to the northwest, but potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access is from Peavy Pond Road, Little Bull Road and Diversion Cannal Road.

Survey Needs:

None.

Recreational Facilities and Opportunities:

Wisconsin Electric has public boat launches on Peavy Pond and the Paint River. This area is used heavily by both deer and grouse hunters. Peavy Pond and the Paint River are popular for both fishing and waterfall hunting.

Fire Protection:

None.

Additional Compartment Information:

None.

The following reports from the Inventory are attached:

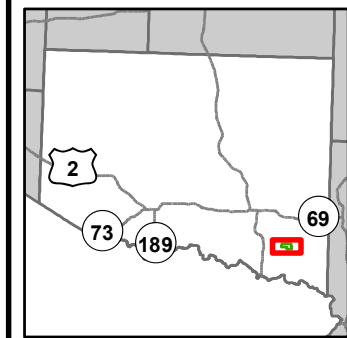
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

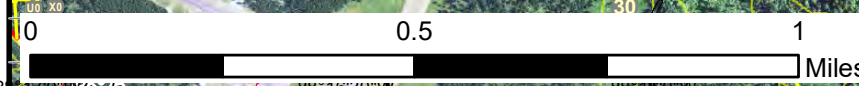
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

Stand Boundary Map

Compartment: 164
 T42N, R32W, Sec. 24
 T42N, R31W, Sec. 19
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Panola Plains
 YOE: 2022
 Acres: 575.6 GIS Calculated
 Examiner: Scott Sebero
 Map Revised: 1/26/2021
 Map Phase: Post-Review



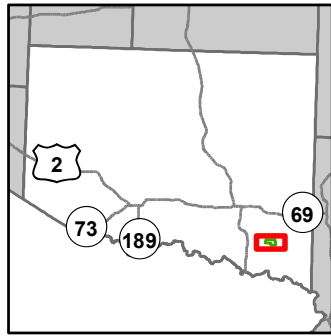
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- ✈ Airport
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Stand Boundaries
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest



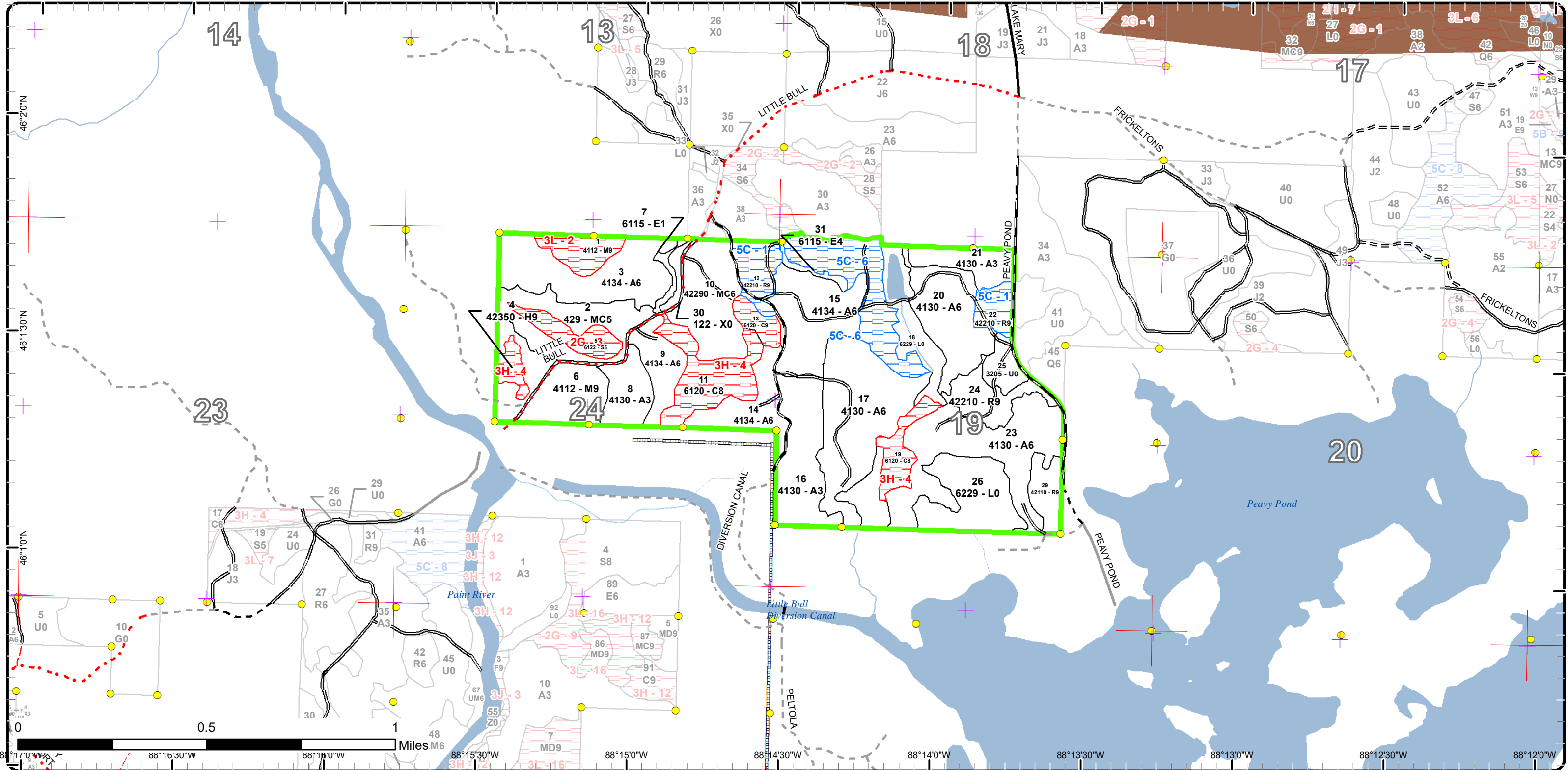
88°16'30"W 88°15'30"W 88°14'30"W 88°14'0"W 88°13'30"W 88°13'0"W 88°12'30"W 88°12'0"W

Special Conservation Areas

Compartment: 164
 T42N, R32W, Sec. 24
 T42N, R31W, Sec. 19
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Panola Plains
 YOE: 2022
 Acres: 575.6 GIS Calculated
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- Miris Corners
- + Remonumented Section Corners
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- Counties
- DNR - Primary Forest Road
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- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- ✈ Airport
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3L: Other wildlife concerns
- Stand Boundaries
- Deer Winter Range
- Cold Water Streams



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	31	26	31	166	61	0	0	0	0	0	0	0	0	0	0	0	0	314
Cedar	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	40
Hemlock	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Lowland Deciduous	0	0	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	4
Lowland Shrub	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Lowland Spruce/Fir	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	31
Northern Hardwood	0	0	0	0	0	0	30	0	0	0	10	0	0	0	0	0	0	0	40
Red Pine	0	0	0	0	0	0	9	0	0	0	34	0	0	0	0	0	0	0	43
Upland Conifers	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	63	31	26	31	193	61	70	12	0	0	89	0	0	0	0	0	0	0	574



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2022

Compartment 164
Total Compartment Acres: 576

Acres of Harvest

Commercial Harvest - 49
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	32	0	0	0	0	0	0	0	0	32
Red Pine	0	14	0	0	0	0	0	0	0	14
Upland Shrub	0	3	0	0	0	0	0	0	0	3
Total	32	17	0	0	0	0	0	0	0	49

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	49	0	0	0	0	0	0	0	0	49
Next Step	0	0	14	0	0	0	35	0	0	49
Total	49	0	14	0	0	0	35	0	0	98



Stand	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:

15	12164015-Cut	32.0	4134 - Aspen, Spruce/Fir	Poletimber Well	47	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Cut all aspen and mixed hardwood two inches DBH or greater, except cut no oak. Cut all spruce, balsam and tamarack with two or more pulpwood sticks. No red or white pine, cedar, hemlock or oak will be cut. Mark one birch or cherry to retain per cruise plot if available. Spec to leave any cavity trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of aspen, spruce, balsam and pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect white pine regen.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

Approved Treatments:

24	12164024-Cut	13.7	42210 - Natural Red Pine	Sawtimber Well	95	111-140	Harvest	Group Selection	42260 - Natural Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> In south and west portion of stand, cut all aspen, jack pine and mixed hardwood, except oak with one or more pulpwood stick. Red pine will be marked to 100 BA. All spruce and balsam will be left in these areas. In north and east portion of stand, all merchantable trees that have been blown over, as well as all aspen, jack pine, spruce, balsam and mixed hardwood, except oak, will be harvested. Only white pine and oak that have been blown over will be cut. Protect oak and conifer regeneration during harvest operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Interplant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of red, jack and white pine, oak and aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u> 200 to 300 jack pine per acre will be planted in north and west portion of stand to help retain pine cover type. Some spot herbicide may be applied to control red maple and aspen regen.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
25	12164025-Cut	3.3	3205 - Mixed Upland Shrub	Nonstocked		Unspecified	Harvest	Group Selection	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees that have been blown over or damaged by wind event.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of pine, cherry and aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

Total Treatment 49
Acreage Proposed:

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 164

Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	2G	3H	3L
		With Condition	Not Available					
314	285	29	0	Aspen	29			
40	0	0	40	Cedar			40	
5	0	0	5	Hemlock			5	
5	5	0	0	Lowland Deciduous				
53	53	0	0	Lowland Shrub				
10	0	0	10	Lowland Spruce/Fir		10		
31	31	0	0	Natural Mixed Pines				
41	30	0	10	Northern Hardwood				10
43	23	20	0	Red Pine	20			
24	24	0	0	Upland Conifers				
7	7	0	0	Upland Shrub				
3	3	0	0	Urban				
576	462	49	65	Total Forested Acres	49	10	45	10
	80%	9%	11%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 164

Year of Entry: 2022



3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	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				



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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.4	95	111-140	N/A	Poor quality red maple stand. Scattered log sized red oak. No maple regen. Heavy sedge.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	8	
Red Maple	90	Log/Pole	10	95

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	Sapling

2	429 - Mixed Upland Conifers	Poletimber Medium	24.0	33	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Sapling	5	33
Quaking Aspen	25	Pole/Sapling	5	33
Balsam Fir	15	Pole/Sapling	5	33
Black Spruce	10	Pole/Sapling	5	33
Tamarack	5	Sapling	3	33
White Pine	15	Pole/Sapling	5	33
Red Pine	15	Pole/Sapling	5	33

Sub-Canopy Species	Density	Avg. Height	Size
Common Blackberry	Low	< 5 feet	Tall Shrub
Alder	Low	5 - 10 feet	Tall Shrub
Willow spp.	Low	5 - 10 feet	Tall Shrub
Black Ash	Low	10 - 20 feet	Sapling

3	4134 - Aspen, Spruce/Fir	Poletimber Well	37.3	33	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	33
Quaking Aspen	65	Pole/Sapling	5	33
Balsam Fir	15	Pole/Sapling	5	33
Black Spruce	15	Pole/Sapling	5	33

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Hazelnut (American)	Low	< 5 feet	Tall Shrub

4	42350 - Upland Hemlock	Sawtimber Well	5.0	95	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	
Hemlock	90	Log/Pole	12	95

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling

5	6122 - Black Spruce	Poletimber Medium	9.9	61	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Sapling	6	
Balsam Fir	10	Pole/Sapling	6	
Black Spruce	75	Pole/Sapling	6	61
Tamarack	5	Pole/Sapling	6	
Black Ash	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack	Low	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	30.1	54	81-110	N/A	Red maple cut for deer feed in 1967. G-2-149			
						Poor quality red maple stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		90	Log/Pole	10	54	Balsam Fir		Medium	10 - 20 feet	Sapling
Red Pine		5	Log/Pole/Sap	14		Red Pine		Medium	10 - 20 feet	Sapling
7	6115 - Lowland Ash	Sapling Poor	2.5	33	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Sapling/Pole	4	33	Alder		Low	5 - 10 feet	Tall Shrub
Black Spruce		5	Sapling	3	33	Willow spp.		Low	< 5 feet	Tall Shrub
Tamarack		5	Sapling	3	33					
White Pine		5	Sapling/Pole	4	33					
Red Pine		5	Sapling/Pole	4	33					
Black Ash		70	Sapling/Pole	4	33					
8	4130 - Aspen	Sapling Well	13.6	17	Unspecified	N/A	Scattered log sized red pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Sapling	3	17	Hazelnut (American)		Low	< 5 feet	Tall Shrub
Quaking Aspen		80	Sapling	3	17	White Pine		Low	5 - 10 feet	Sapling
Balsam Fir		5	Sapling	3	17					
Black Spruce		5	Sapling	2	17					
9	4134 - Aspen, Spruce/Fir	Poletimber Well	13.9	27	51-80	N/A	Pockets of log sized red and white pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Pole/Sapling	5	27	Balsam Fir		Medium	10 - 20 feet	Sapling
Quaking Aspen		65	Pole/Sapling	5	27	White Pine		Low	10 - 20 feet	Sapling
Balsam Fir		20	Pole/Sapling	5	27	Red Pine		Medium	10 - 20 feet	Sapling
Black Spruce		10	Pole/Sapling	5	27	Hazelnut (American)		Low	< 5 feet	Tall Shrub
10	42290 - Natural Mixed Pine	Poletimber Well	31.3	51	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Pole/Sapling	5	27	Balsam Fir		Medium	10 - 20 feet	Sapling
Quaking Aspen		20	Pole/Sapling	5	27	Black Spruce		Low	10 - 20 feet	Sapling
Balsam Fir		10	Pole/Sapling	5	27	White Pine		Medium	10 - 20 feet	Sapling
Black Spruce		5	Pole/Sapling	5	27	Red Pine		Medium	10 - 20 feet	Sapling
White Pine		30	Log/Pole/Sap	10	51	Alder		Low	5 - 10 feet	Tall Shrub
Red Pine		30	Log/Pole/Sap	10	51					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	6120 - Lowland Cedar	Sawtimber Medium	23.7	95	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		20	Pole/Sapling	6		Balsam Fir	
Black Spruce		10	Pole/Sap/Log	8		Alder	
Northern White Cedar		50	Log/Pole	14	95	Black Ash	
Black Ash		20	Pole/Sapling	6			
						Density	Avg. Height
							Size
						Medium	10 - 20 feet
						Medium	5 - 10 feet
						High	10 - 20 feet
							Sapling
							Tall Shrub
							Sapling
12	42210 - Natural Red Pine	Sawtimber Well	12.1	95	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log/Sap	6	47	Balsam Fir	
Quaking Aspen		20	Pole/Log	8	47	Hazelnut (American)	
Red Pine		70	XLog/Log/Pole	18	95		
						Density	Avg. Height
						Low	10 - 20 feet
						Low	< 5 feet
							Sapling
							Tall Shrub
13	6120 - Lowland Cedar	Sawtimber Well	5.9	95	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		100	Log/Pole	14	95	Black Spruce	
						Alder	
						Black Ash	
						Density	Avg. Height
						Low	10 - 20 feet
						Low	5 - 10 feet
						Low	10 - 20 feet
							Sapling
							Tall Shrub
							Sapling
14	4134 - Aspen, Spruce/Fir	Poletimber Well	17.5	27	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Sapling	5	27	Balsam Fir	
Quaking Aspen		70	Pole/Sapling	6	27	White Pine	
Balsam Fir		10	Pole/Sapling	5	27	Tag Alder	
Black Spruce		10	Pole/Sapling	5	27		
Red Pine		5	Log/Pole/Sap	16			
						Density	Avg. Height
						Medium	5 - 10 feet
						Low	5 - 10 feet
						Low	5 - 10 feet
							Sapling
							Sapling
							Tall Shrub
15	4134 - Aspen, Spruce/Fir	Poletimber Well	60.7	47	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sap/Log	5	47	Balsam Fir	
Quaking Aspen		65	Pole/Log	8	47	Tag Alder	
Balsam Fir		10	Pole/Sapling	6	47		
Red Pine		5	Log/Pole/Sap	16			
Black Spruce		10	Pole/Sap/Log	6	47		
						Density	Avg. Height
						Medium	10 - 20 feet
						Low	5 - 10 feet
							Sapling
							Tall Shrub
16	4130 - Aspen	Sapling Well	30.5	8	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Sapling	1		Red Maple	
Quaking Aspen		80	Sapling	1	8	Balsam Fir	
Balsam Fir		10	Sapling	1		Hazelnut (American)	
						Density	Avg. Height
						Low	5 - 10 feet
						Low	5 - 10 feet
						Low	< 5 feet
							Sapling
							Sapling
							Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
17	4130 - Aspen	Poletimber Well	49.1	33	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Sapling	5	33	Balsam Fir	Medium	10 - 20 feet	Sapling
Quaking Aspen		80	Pole/Sapling	6	33	Black Spruce	Low	10 - 20 feet	Sapling
Balsam Fir		10	Pole/Sapling	5	33	Tag Alder	Low	5 - 10 feet	Tall Shrub
18	6229 - Mixed lowland shrub	Nonstocked	25.8		Unspecified	No	North part of stand is beaver pond. Several small ponds in center part of stand.		
19	6120 - Lowland Cedar	Sawtimber Medium	10.1	95	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		20	Pole/Sapling	6		Black Spruce	Low	5 - 10 feet	Sapling
Northern White Cedar		70	Log/Pole	12	95	Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash		10	Pole/Sapling	6		Black Ash	Medium	5 - 10 feet	Sapling
20	4130 - Aspen	Poletimber Well	28.9	33	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Sapling	5	33	Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen		75	Pole/Sapling	6	33	Red Pine	Low	5 - 10 feet	Sapling
Balsam Fir		10	Pole/Sapling	5	33	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce		5	Pole/Sapling	5	33				
21	4130 - Aspen	Sapling Well	12.5	17	Unspecified	N/A	Scattered log sized oak and red pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		90	Sapling/Pole	3	17	Red Oak	Low	5 - 10 feet	Sapling
Red Maple		5	Sapling/Pole	3		White Pine	Low	5 - 10 feet	Sapling
Balsam Fir		5	Sapling/Pole	3		Red Pine	Low	5 - 10 feet	Sapling
						Hazelnut (American)	Low	< 5 feet	Tall Shrub
22	42210 - Natural Red Pine	Sawtimber Well	7.8	95	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		30	XLog/Log/Pole	18	95	Red Oak	Low	10 - 20 feet	Sapling
Red Pine		70	Log/Pole/Sap	16	95	Quaking Aspen	Medium	10 - 20 feet	Sapling
						Red Pine	Low	10 - 20 feet	Sapling
						Hazelnut (American)	Low	< 5 feet	Tall Shrub
23	4130 - Aspen	Poletimber Well	50.2	33	51-80	N/A	Scattered log sized red and white pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Sapling	5	33	Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen		75	Pole/Sapling	6	33	Red Pine	Low	5 - 10 feet	Sapling
Balsam Fir		10	Pole/Sapling	5	33	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce		5	Pole/Sapling	5	33				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
24	42210 - Natural Red Pine	Sawtimber Well	13.7	95	111-140	N/A																																	
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25	3205 - Mixed Upland Shrub	Nonstocked	7.4		Unspecified	No	Cherry, maple and pine growing into opening.																																
26	6229 - Mixed lowland shrub	Nonstocked	27.1	0	Unspecified	No	Very wet.																																
29	42110 - Planted Red Pine	Sawtimber Well	9.4	58	111-140	N/A																																	
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30	122 - Road/Parking Lot	Nonstocked	3.1	0	Unspecified	No	Little Bull Road.																																
31	6115 - Lowland Ash	Poletimber Poor	2.2	61	1-50	N/A	Wet drain.																																
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