

# **Compartment Review Presentation**

**Crystal Falls Forest Management Unit** 

Compartment 12030
Entry Year 2019
Acreage: 1,767
County Dickinson

Management Area: Ralph Ground Moraine

Revision Date: 2017-08-13

Stand Examiner: Andrew Church

**Legal Description:** 

T43N R27W Sec 17-20 T43N R28W Sec 23, 24

#### **Identified Planning Goals:**

The compartment has a mix of aspen ages and a fair component of mixed swamp conifer, with some hardwood stands as well. Diversity will be maintained in hardwood stands. Perpetuate lowland swamp conifer and the species diversity within that timber type. Protect all bodies of water, particularly Hayes and Stafford Creeks.

## Soil and topography:

Majority of this compartment is gently rolling upland with Emmet fine sandy loam. Other upland soil types include Escanaba loamy fine sand and Pemene fine sandy loam with some Waucedah-Cathro soils and Carbondale & Cathro mucks in the lowland types.

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

State land is in solid blocks but private is interspersed within the boundary. State land is used by loggers, hunters, fishermen, trappers, campers, general recreationists.

#### **Unique Natural Features:**

Hayes Creek and Stafford Creek, both of which are tributaries to the Ford River.

## Archeological, Historical, and Cultural Features:

#### **Special Management Designations or Considerations:**

About half of this compartment is in a deer wintering complex.

#### Watershed and Fisheries Considerations:

Protect water quality for all bodies of water, particularly Hayes Creek and Stafford Creek. Promote long lived conifer species along these streams and use adequate buffer protection.

#### Wildlife Habitat Considerations:

This compartment contains both deer winter complex and wildlife purchased land. The featured species identified for the Ralph Ground Moraine include: deer, bear, grouse, woodcock and northern goshawk. The management of the conifer component for winter cover and along movement corridors and transition zones is important to maintain a viable DWC. Conifer in the upland stands such as aspen and hardwood is important for deer to access forage and to maximize habitat quality for species such as grouse and snowshoe hare.

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

There has been some sand and gravel production in the area, and there appears to be some potential within the compartment, particularly on the upland drumlins. There has been no metallic mineral mining within eight miles of the compartment. Metallic mineral potential is considered low at this time, but there has been recent metallic mineral leasing to the north. There is no economic oil and gas production in the UP.

#### **Vehicle Access:**

County Road 426 is on the south; several poor dirt roads in and near the compartment.

#### **Survey Needs:**

## **Recreational Facilities and Opportunities:**

Hunting, camping, fishing, trapping, hiking.

#### **Fire Protection:**

Felch protection area. There is access to most upland stands, however access to many lowland areas would be difficult.

## **Additional Compartment Information:**

The following reports from the Inventory are attached:

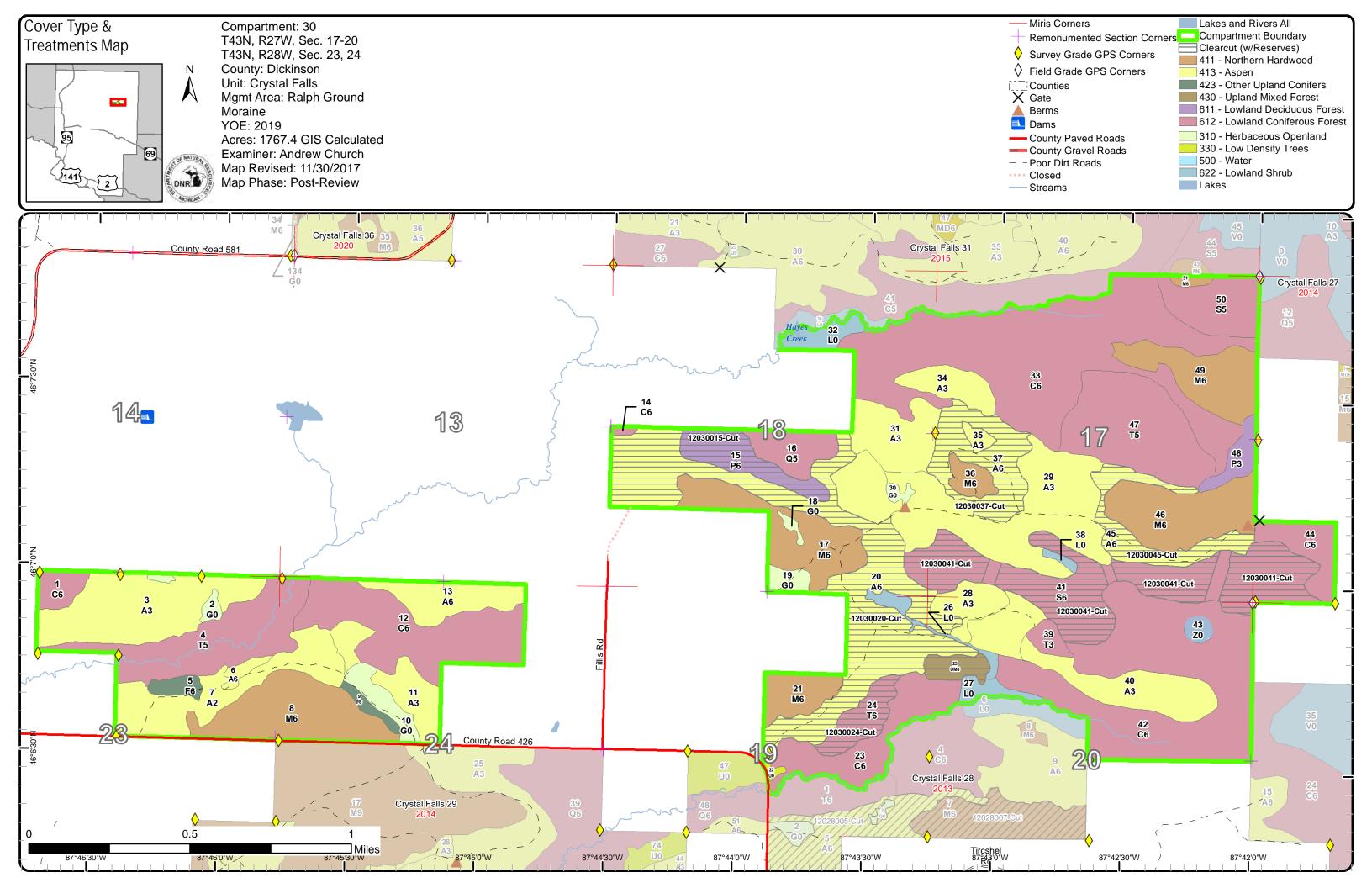
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

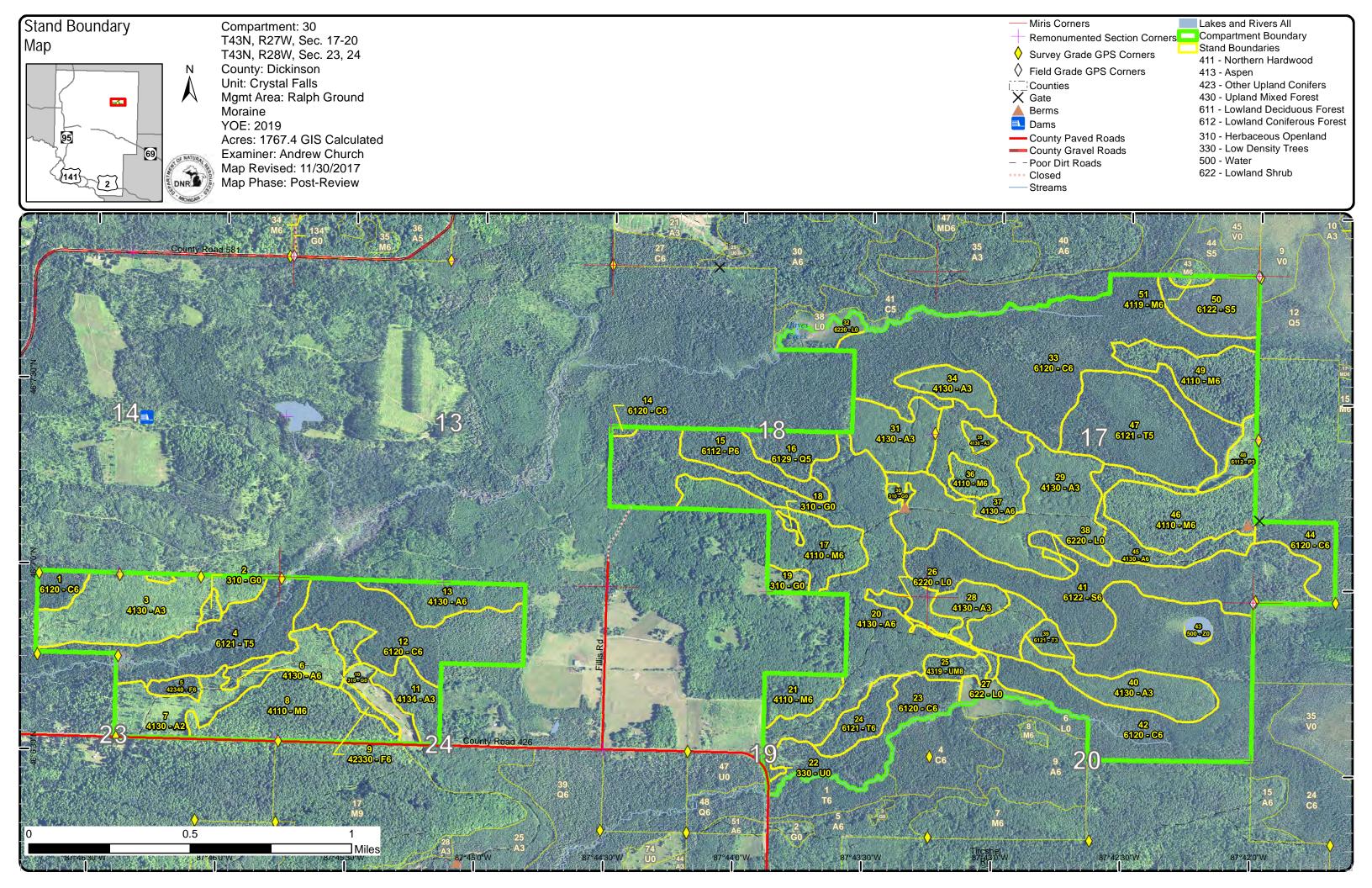
The following information is displayed, where pertinent, on the attached compartment maps:

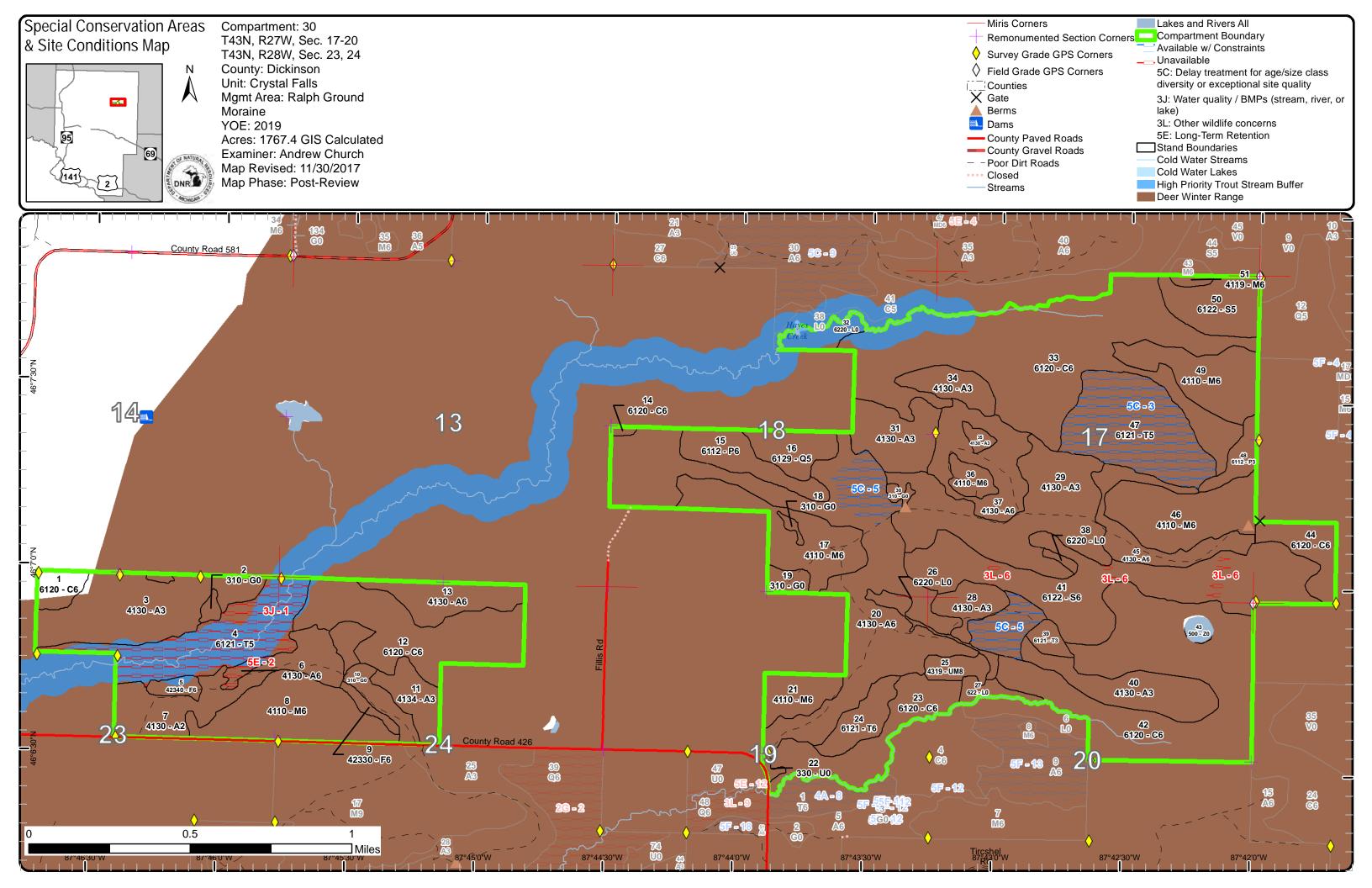
Base feature information, stand boundaries, cover types, and numbers Proposed treatments

Site condition boundaries

Details on the road access system







Crystal Falls Mgt. Unit
Andrew Church : Examiner

iis wigt. Offit

Compartment 30

Year of Entry 2019



## Age Class

						,		,									,		<del>, , , , , , , , , , , , , , , , , , , </del>
	No.	A ST		2/2		\$ /\$		, 3 /				\$ /0°	0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 ,					g* Jross	Dog A Dog A
Aspen	0	119	66	153	27	0	212	4	0	0	0	0	0	0	0	0	0	40	619
Cedar	0	0	0	0	0	0	0	0	0	75	55	193	0	0	0	0	0	166	489
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	10	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Lowland Shrub	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Lowland Spruce/Fir	0	0	0	0	0	0	30	0	0	0	118	0	0	0	0	0	0	0	148
Northern Hardwood	0	0	0	0	0	0	0	0	0	133	88	0	0	0	0	0	0	0	221
Tamarack	0	0	0	6	0	0	65	0	71	0	17	0	0	0	0	0	0	0	159
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	4	10
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	59	129	66	159	33	24	307	4	71	208	278	193	0	0	0	0	0	238	1767



## **Report 2 – Treatment Summary**

Crystal Falls Mgt. Unit Year of Entry: 2019

#### **Acres of Harvest**

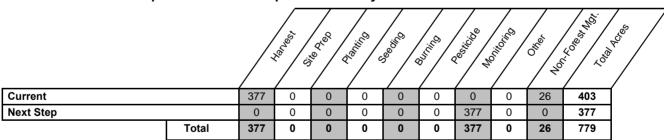
Compartment 30
Total Compartment Acres: 1,767

Commercial Harvest - 377
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

## **Cover Type by Harvest Method**

	•	. ,										
		/(	# 10 m	To the state of th			Sound of the second of the sec	or o	Key Co.	88 / 88 / S		
Aspen		215	0	0	0	0	0	0	0	0	215	
Lowland Aspen/Balsam Poplar		24	0	0	0	0	0	0	0	0	24	
Lowland Spruce/Fir		111	0	0	0	0	0	0	0	0	111	
Tamarack		17	0	0	0	0	0	0	0	0	17	
Upland Mixed Forest		9	0	0	0	0	0	0	0	0	9	
,	Total	377	0	0	0	0	0	0	0	0	377	

## **Proposed and Next Step Treatments by Method**



Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 30 s Year of Entry: 2019 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type Approval** Age n Name CoverType Density Age Range Type Method Objective Structure **Status** d 2 12030002-NF 4.0 310 - Herbaceous Nonstocked Unspec NonForestMgt Other - Specify 3102 - Grass Proposal Openland ified **Habitat Cut: No Site Condition:** Prescription Wildlife will maintain opening via mechanical or Rx burn. Specs: Next Step Treatments: Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 Proposal 12030010-NF 11.8 310 - Herbaceous Nonstocked 0 Unspec NonForestMgt Other - Specify 3102 - Grass Openland **Habitat Cut: No Site Condition:** Prescription Wildlife will maintain this opening via mechanical or Rx burn. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 12030015-Cut Approved 24.4 6112 - Lowland Poletimber 41 Unspec Harvest Clearcut with 6112 - Lowland Even-Aged Well ified Retention Proposal Aspen Aspen **Habitat Cut: No Site Condition:** Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Aspen, Mixed Hardwoods, Mixed Conifers Regen: Other Comment: **Proposed Start Date:** 10/01/2018 12030018-NF 1.6 310 - Herbaceous Unspec NonForestMgt Nonstocked Other - Specify 3102 - Grass Proposal Openland ified **Habitat Cut: No Site Condition:** Prescription Wildlife will maintain opening via mechanical or Rx burn. Specs: Next Step Treatments: <u>Acceptable</u> Regen: Other

10/01/2018

Comment:

**Proposed Start Date:** 

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 30 s Year of Entry: 2019 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d 19 12030019-NF 6.0 310 - Herbaceous Unspec NonForestMgt Other - Specify 3102 - Grass Nonstocked Proposal Openland ified **Habitat Cut: No Site Condition:** Prescription Wildlife will maintain opening via mechanical or Rx burn. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 Unspec 12030020-Cut 146.9 4130 - Aspen Poletimber 53 Harvest Clearcut with 413 - Aspen Even-Aged Approved Well ified Retention Proposal **Habitat Cut: No** Site Condition: Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. Also leave submerchantable conifers. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Aspen, Mixed Hardwoods, Mixed Softwoods Regen: Other Boundary adjusted to exclude portions of stand per WLD request. Comment: **Proposed Start Date:** 10/01/2018 12030024-Cut Poletimber 17.4 6121 - Tamarack 91 Unspec Clearcut with 6121 - Tamarack Even-Aged Harvest Approved Retention Proposal Well ified **Habitat Cut: No Site Condition:** Prescription Final Harvest using 2" spec. due to health concerns. Leave Cedar, Hemlock, Oak, Pine if found. Winter operations only due to wet soils. Roundwood only for seed source retention. Buffer Stafford Creek 100 feet. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step **Treatments:** Acceptable Tamarack, Aspen, Mixed Hardwoods, Mixed Conifers

Regen:

Other Comment:

**Proposed Start Date:** 10/01/2018

4319 - Mixed 12030025-Cut 9.2 Sawtimber 78 1-50 Clearcut with 4319 - Mixed Harvest Even-Aged Approved **Upland Forest** Medium Retention **Upland Forest** Proposal

**Site Condition:** 

Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. Buffer stream 100 feet.

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

**Treatments:** 

**Habitat Cut: No** 

Acceptable Aspen, Pine, Mixed Hardwoods, Mixed Conifers

Regen:

Other Comment:

**Proposed Start Date:** 10/01/2018

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 30 s Year of Entry: 2019 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d Unspec NonForestMat 30 12030030-NF 2.4 310 - Herbaceous Other - Specify 3102 - Grass Nonstocked Proposal Openland ified **Habitat Cut: No Site Condition:** Prescription Wildlife will maintain opening via mechanical or Rx burn. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 12030037-Cut 39.7 4130 - Aspen Poletimber 56 Unspec Harvest Clearcut with 413 - Aspen Even-Aged Approved Well ified Retention Proposal **Habitat Cut: No Site Condition:** Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Aspen, Mixed Hardwoods, Mixed Conifers Regen: Other Comment: **Proposed Start Date:** 10/01/2018 12030041-Cut 110.9 6122 - Black Spruce Poletimber 98 Unspec Clearcut with 613 - Lowland Even-Aged Harvest Approved Retention Mixed Forest Proposal ified **Habitat Cut: No Site Condition:** Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. Winter operations only due to wet soils. Roundwood only for seed Specs: source retention. Monitoring, Natural Regen (Re-Inventory) Next Step **Treatments:** Acceptable Spruce, Fir, Tamarack, Mixed Hardwoods, Mixed Conifers Regen:

Other Boundary adjusted to include wildlife requested corridors 8/10/17.

Comment:

**Proposed Start Date:** 10/01/2018

12030045-Cut 4130 - Aspen 28.2 Poletimber 56 Unspec Clearcut with Harvest 413 - Aspen Even-Aged Approved Well ified Retention Proposal

**Habitat Cut: No Site Condition:** 

Prescription Final Harvest using 2" spec. Leave Cedar, Hemlock, Oak, Pine if found. In addition, leave all submerchantable conifers. WLD may plant post

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

**Treatments:** 

Acceptable Aspen, Mixed Hardwoods, Mixed Conifers

Regen:

Other Comment:

**Proposed Start Date:** 10/01/2018

**Total Treatment Acreage Proposed:**  402.5

Compartment: 30

Crystal Falls Mgt. Unit

Andrew Church : Examiner Year of Entry: 2019

Availa	bility for	Managemer	nt					
Total	Acres	Acres Avail	Acres	Do	ominai	nt Site	Cond	ditions
Acres	Available	With Condition	Not Available		5C	3J	3L	5E
619	579	36	4	Aspen	36			4
489	489	0	0	Cedar				
26	26	0	0	Herbaceous Openland				
2	2	0	0	Low-Density Trees				
35	35	0	0	Lowland Aspen/Balsam Poplar				
19	19	0	0	Lowland Conifers				
27	27	0	0	Lowland Shrub				
148	141	0	7	Lowland Spruce/Fir			7	
221	221	0	0	Northern Hardwood				
159	24	71	65	Tamarack	71	65		
9	9	0	0	Upland Mixed Forest				
10	10	0	0	Upland Spruce/Fir				
3	3	0	0	Water				
1,767	1,585	107	76	Total Forested Acres	107	65	7	4

Relative Percent

4%

<sup>\*</sup>Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

	ominant Site and Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	65	Unspecified	Unspecified	Unspecified	Unspecified
	nments: ves Creek cold w	rater stream buffer					
2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Cor	nments:						

90%

6%

# Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Andrew Church : Examiner

Compartment: 30 Year of Entry: 2019

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	71	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Rotation age of sta	nd should be 100+ years due to	poor site	e quality. 75 year old Tar	marack is just starting to re	ach pole size.	
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3L: Other wildlife concerns	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wildlife corridors						

11/30/2017 1:22:36 PM - Page 2 of 2 SWARTZN3

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				

Crystal Falls Mgt. Unit Compartment: 30
Year of Entry 2019



# 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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish specific conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish specified year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildle and Waterfowl Production Areas, deer wintering complexes in lo openings and savannas. Habitat areas are distinct from critical hendangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in cooperations.	wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more rendangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effe as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian cts on water quality and quantity, as well

s t	Crystal Falls	Mgt. Unit		Report 7	- Forested	Stands Compartment: 30 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	10.1	97	Unspecified	
3	4130 - Aspen	Sapling Well	68.1	7	Immature	A few red and white pine residual overstory
4	6121 - Tamarack	Poletimber Medium	64.6	56	Unspecified	Adjacent to Hayes Ck, feeder into the Ford River
5	42340 - Upland Spruce/Fir	Poletimber Well	5.7	38	Unspecified	
6	4130 - Aspen	Poletimber Well	3.8	65	Unspecified	Retention for adjacent harvest
7	4130 - Aspen	Sapling Medium	50.8	7	Immature	Harvested 2010. Scattered supercanopy Pines.
8	4110 - Sugar Maple Association	Poletimber Well	56.9	88	81-110	Thinned 2012
9	42330 - Upland Fir	Poletimber Well	4.1	35	Unspecified	Fir stand with Aspen and Maple mixed in
11	4134 - Aspen, Spruce/Fir	Sapling Well	25.3	24	Immature	Harvested 1993. Mostly upland with small lowland inclusions. Tamarack regenerating in lowland areas. Aspen is quite healthy.
12	6120 - Lowland Cedar	Poletimber Well	75.4	87	Unspecified	larger diameter WC along edges.
13	4130 - Aspen	Poletimber Well	26.5	30	Immature	Harvested 1987. Aspen growing well. Thick Spruce/Fir understory.
14	6120 - Lowland Cedar	Poletimber Well	1.3	94	Unspecified	
15	6112 - Lowland Aspen	Poletimber Well	24.4	41	Unspecified	Mix of upland and lowland. Scattered pockets of older Aspen and BAM.
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	19.1	58	Unspecified	Many Tamarack saplings. Mistletoe observed on Black Spruce. Some small pockets of mature Tamarack as expected with an uneven aged swamp complex.
17	4110 - Sugar Maple Association	Poletimber Well	46.5	82	81-110	Short String Hwd closed 2002
20	4130 - Aspen	Poletimber Well	183.3	53	Unspecified	
21	4110 - Sugar Maple Association	Poletimber Well	18.2	82	81-110	Short String Hwd closed 2002
23	6120 - Lowland Cedar	Poletimber Well	43.5	91	Unspecified	More Tamarack along creek

S	Crystal Falls	s Mgt. Unit		Report 7	– Forested	Stands Compartment: 30 Year of Entry: 2019
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6121 - Tamarack	Poletimber Well	17.4	91	Unspecified	Mistletoe observed on the Black Spruce.
25	4319 - Mixed Upland Forest	Sawtimber Medium	9.2	78	1-50	Trees in decline due to Spruce Budworm, windthrow, and old age.
28	4130 - Aspen	Sapling Well	15.0	15	Unspecified	
29	4130 - Aspen	Sapling Well	91.2	24	Unspecified	
31	4130 - Aspen	Sapling Well	31.2	15	Immature	D2 Aspen sale closed 2002
33	6120 - Lowland Cedar	Poletimber Well	192.7	104	Unspecified	Dense, healthy Cedar stand.
34	4130 - Aspen	Sapling Well	16.7	15	Immature	D2 Aspen sale closed 2002
35	4130 - Aspen	Sapling Well	3.4	15	Immature	D2 Aspen sale closed 2002
36	4110 - Sugar Maple Association	Poletimber Well	8.5	88	81-110	Thinned 2012
37	4130 - Aspen	Poletimber Well	39.7	56	Unspecified	Many varying ages and densities of Aspen throughout stand. Older Aspen to East.
39	6121 - Tamarack	Sapling Well	6.3	25	Immature	Harvested 1992. Tamarack growing well. Spruce/Fir well represented.
40	4130 - Aspen	Sapling Well	36.0	25	Immature	Harvested 1992. Aspen growing well.
41	6122 - Black Spruce	Poletimber Well	118.1	98	Unspecified	Aspen/Spruce/Fir around edges. Tamarack very healthy, Black Spruce has Eastern Dwarf Mistletoe. More Tamarack to West, Spruce to East. Pure Cedar pocket located on far Western finger of stand. Trees are smaller diameter closer to pond.
42	6120 - Lowland Cedar	Poletimber Well	145.7	108	Unspecified	Tamarack pocket in SE corner of stand. Small upland inclusion on East side.
44	6120 - Lowland Cedar	Poletimber Well	20.7	108	Unspecified	
45	4130 - Aspen	Poletimber Well	28.2	56	Unspecified	Older Aspen to East. Many varying Aspen ages and densities.
46	4110 - Sugar Maple Association	Poletimber Well	49.5	91	81-110	Thinned 2012. Just starting to reach sawlog size.

S t	Crystal Falls	Mgt. Unit		Report 7	– Forested	Stands Compartment: 30 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	6121 - Tamarack	Poletimber Medium	71.0	75	Unspecified	Tamarack starting to reach pole size in most of stand. Greater diameters along edges, sapling sized trees in middle. Black Spruce in understory is displaying mortality due to Eastern Dwarf Mistletoe. Recommend 100+ year rotation on Tamarack stand due to poor site quality.
48	6112 - Lowland Aspen	Sapling Well	10.2	5	Immature	Harvested 2012
49	4110 - Sugar Maple Association	Poletimber Well	38.8	91	81-110	Thinned 2012. Just starting to reach sawlog size.
50	6122 - Black Spruce	Poletimber Medium	30.1	59	Unspecified	To be treated with Spruce stands in adjacent compartments when ready. Spruce slowly filling in this once open bog
51	4119 - Mixed Northern Hardwoods	Poletimber Well	2.5	89	81-110	Upland island in the swamp. Cedar mixed throughout. BAM/Fir strip along the edge. Look at entering if/when adjacent stands are being harvested.

Compartment: 30 Year of Entry: 2019



Stand	Cover Type	Acres	Managed Site	General Comments:
2	310 - Herbaceous Openland	4.0	No	
10	310 - Herbaceous Openland	11.8	No	Harvested 2010. Scattered supercanopy Pines.
18	310 - Herbaceous Openland	1.6	No	
19	310 - Herbaceous Openland	6.0	No	
22	330 - Low-Density Trees	1.7	No	Stand harvested 2017. Expect Aspen/Spruce/Fir/Tamarack. Lowland ground
26	6220 - Alder/willow	7.0	No	Scattered BAM and Elm in middle of Tag Alder
27	622 - Lowland Shrub	7.0	No	
30	310 - Herbaceous Openland	2.4	No	
32	6220 - Alder/willow	10.8	No	
38	6220 - Alder/willow	1.9	No	
43	500 - Water	3.5	No	