



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12045

Entry Year 2020

Acreage: 1,787

County Dickinson

Management Area: Floodwood Plains

Revision Date: 2018-08-16

Stand Examiner: Ed Rice

Legal Description:

T43N R30W sections 3, 4 12, 14, 15

T43N R29W sections 6, 7, 8, 18

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat, notably the high quality deer winter range in this compartment. Continue to sustainably balance the aspen age class acres. Protect the riparian areas and transition zones during management activity.

Soil and topography:

Large areas of this compartment are underlain by muck soils. The remainder of the landform consists of fine sandy loams to small inclusions of a fine sand. The topography is generally flat. There are small areas of rolling hills scattered throughout.

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

The west side of the compartment lies in one continuous state ownership. The remainder is fairly broken, interspersed with both private and industrial forest landowners. Large blocks of private ownership border the compartment. Active forest management has occurred and will continue within and surrounding the compartment.

Unique Natural Features:

Large block of high quality cedar swamp.

Archeological, Historical, and Cultural Features:

One site within the compartment. It is not impacted by any treatment.

Special Management Designations or Considerations:

No additional.

Watershed and Fisheries Considerations:

This compartment contains Weber Creek and the Main Branch of the Ford River. Weber Creek is a designated Type 1 trout stream less than 50' width. A 300' buffer is recommended for Weber Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices. The Main Branch of the Ford River is a designated Type 1 trout stream less than 50' width. A 300' buffer is recommended for the Main Branch of the Ford River in riparian areas susceptible to Aspen regeneration (specifically stand 21). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment contains both wildlife purchased lands and deer winter range. Featured species in this Management Area (Floodwood Plains MA) include; deer, bear, grouse, woodcock and upland sandpiper. The block of the compartment lying in sections 3 and 4 is especially high quality winter deer range with dense cedar swamp. Management for Deer winter cover, including transition zones, movement corridors and conifer component throughout the forage stands is critical in this compartment. Aspen age and stand size diversity are important management goals for deer, bear, grouse and woodcock and goshawks.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located in Section 16, less than two miles southwest of the compartment, but sand & gravel potential within the compartment appears to be limited due, in part, to the abundance of wetlands. Part of this area was previously leased for metallic mineral exploration, and there may still be some metallic mineral potential beneath the compartment. There is no economic oil and gas production in the UP. The state does not own all of the mineral rights within the compartment. Private mineral rights owners must be allowed reasonable access to the land should they choose

to explore and/or develop the minerals.

Vehicle Access:

The western block of the compartment has fair vehicle access to the border of the compartment. There is no access into the interior. The remaining eastern areas have good to fair access with the Turner Road and unimproved woods roads.

Survey Needs:

several survey corners are needed to be set.

Recreational Facilities and Opportunities:

None

Fire Protection:

Areas prone to fire in this compartment have feasible equipment access. Much of the compartment is wet and/or has inclusions of lowland fuel types. If a start occurred, small, low intensity fires are what would be expected in this area.

Additional Compartment Information:

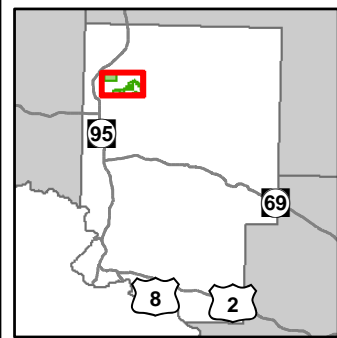
The following reports from the Inventory are attached:

- 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:

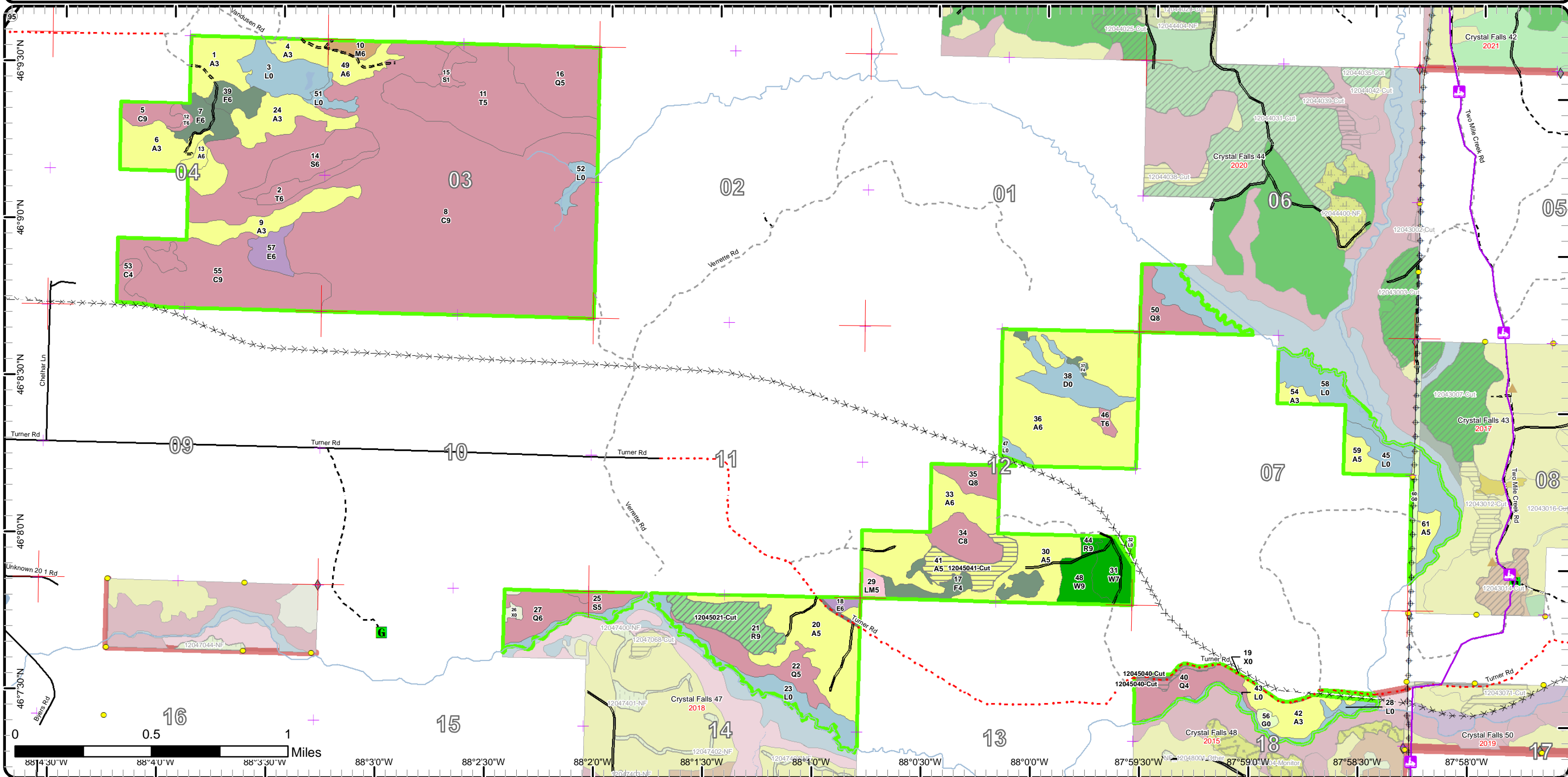
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

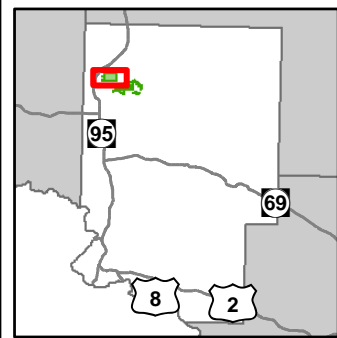


Compartment: 45
 T43N, R30W, Sec. 3, 4, 12, 14, 15
 T43N, R29W, Sec. 6-8, 18
 County: Dickinson
 Unit: Crystal Falls
 Mgmt Area: Floodwood Plains
 YOE: 2020
 Acres: 1,787 GIS Calculated
 Examiner: Ed Rice
 Map Revised: 12/17/2018
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field 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
- - - Private - Dirt / Gravel Road
- ✕ Abandoned Railroads
- 🚙 Snowmobile Trails
- Designated Snowmobile Trails
- 🚪 Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ⊕ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated
- Lakes
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers

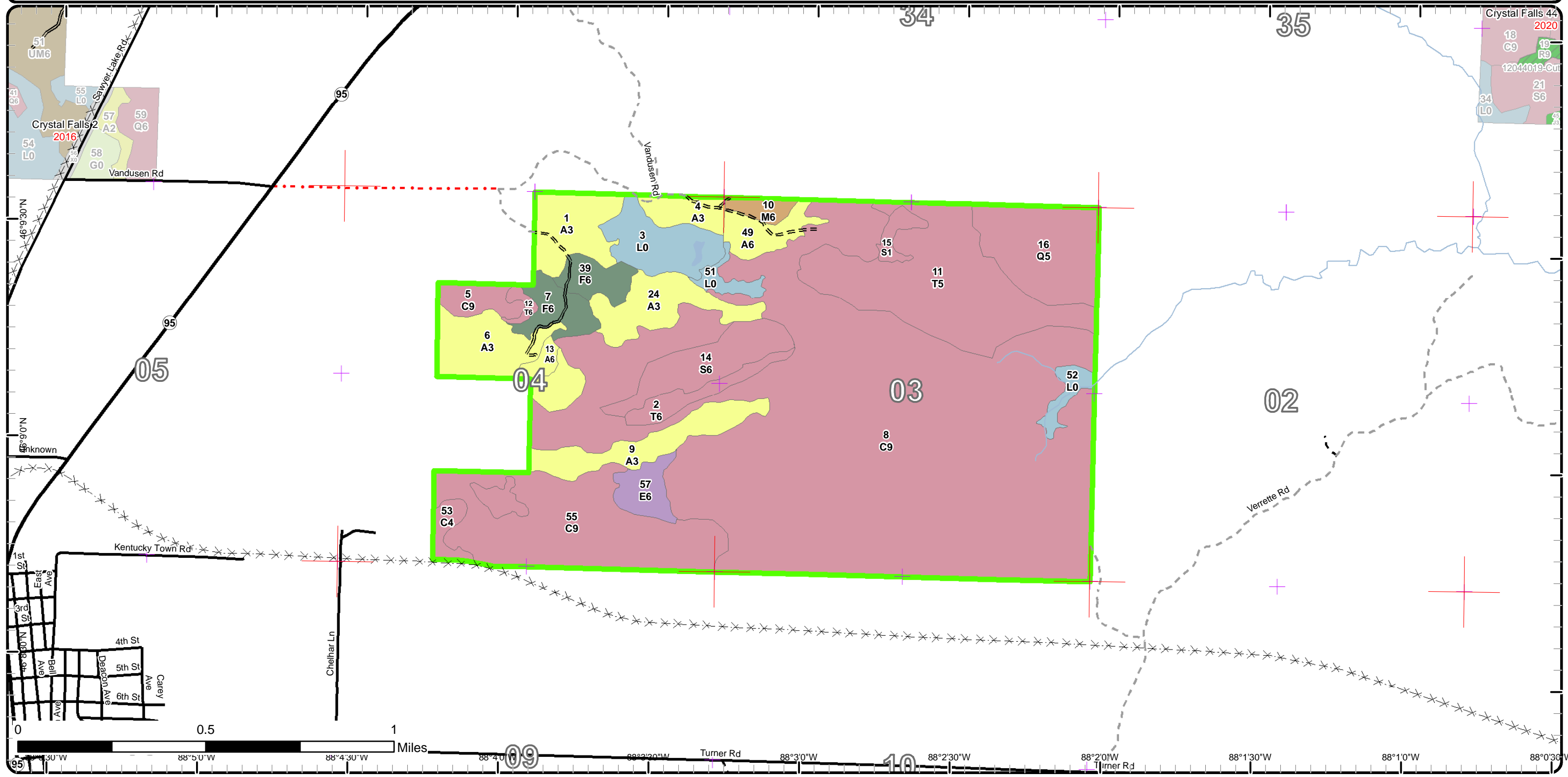


Cover Type & Treatments Map

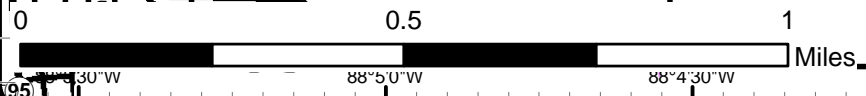


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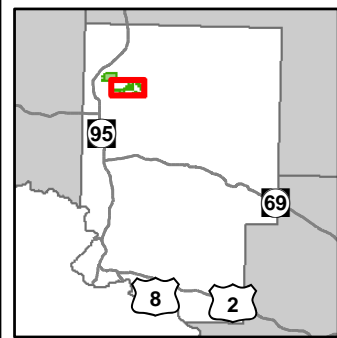
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Crystal Falls 44
 2020
 18 C9
 19 R9
 12044019-Cut
 21 S6
 34 LO

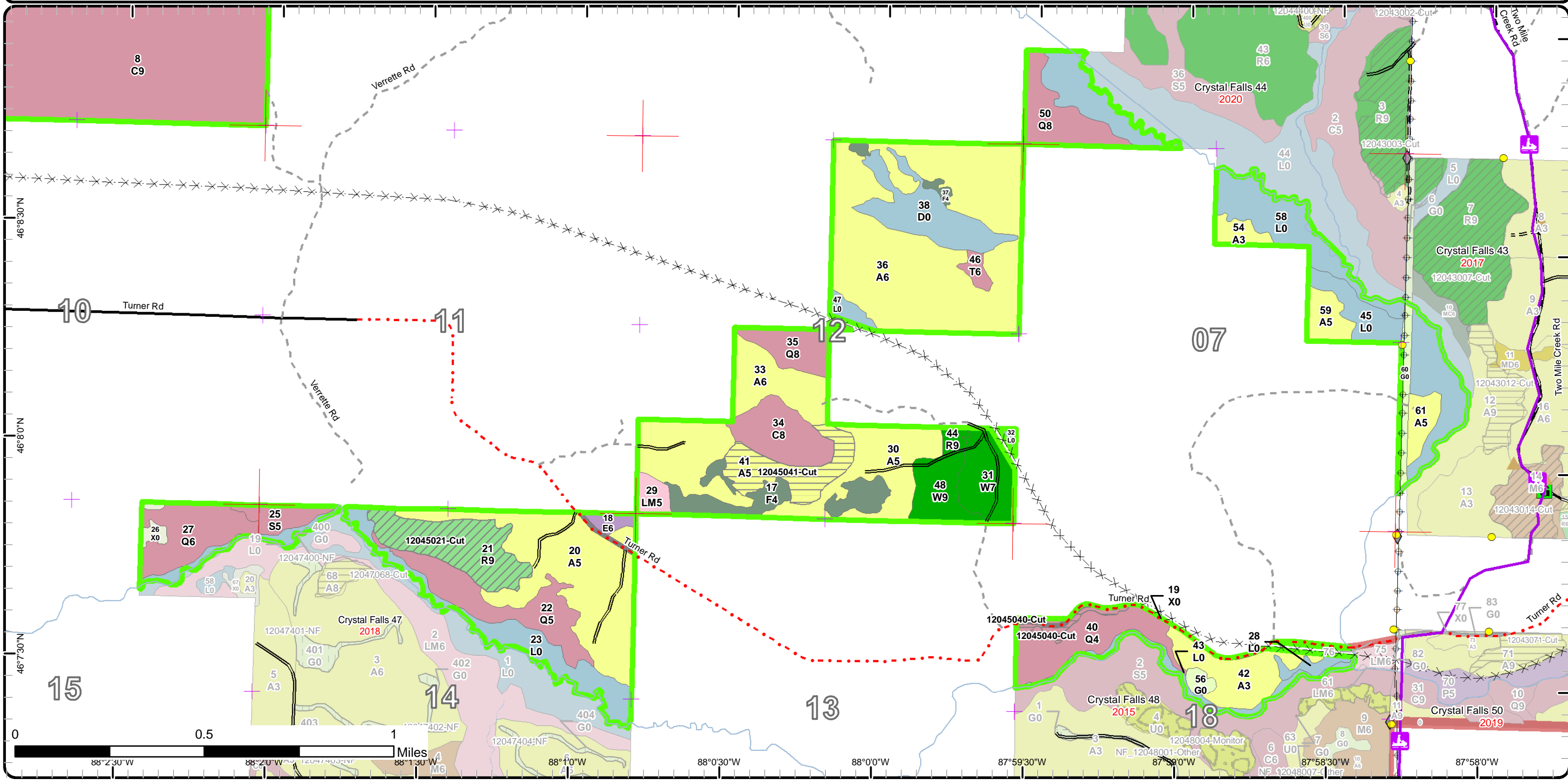


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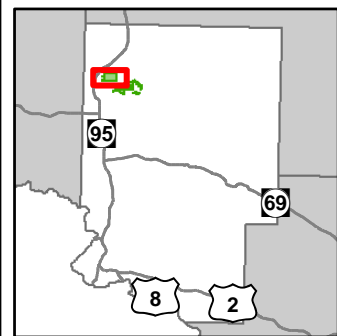
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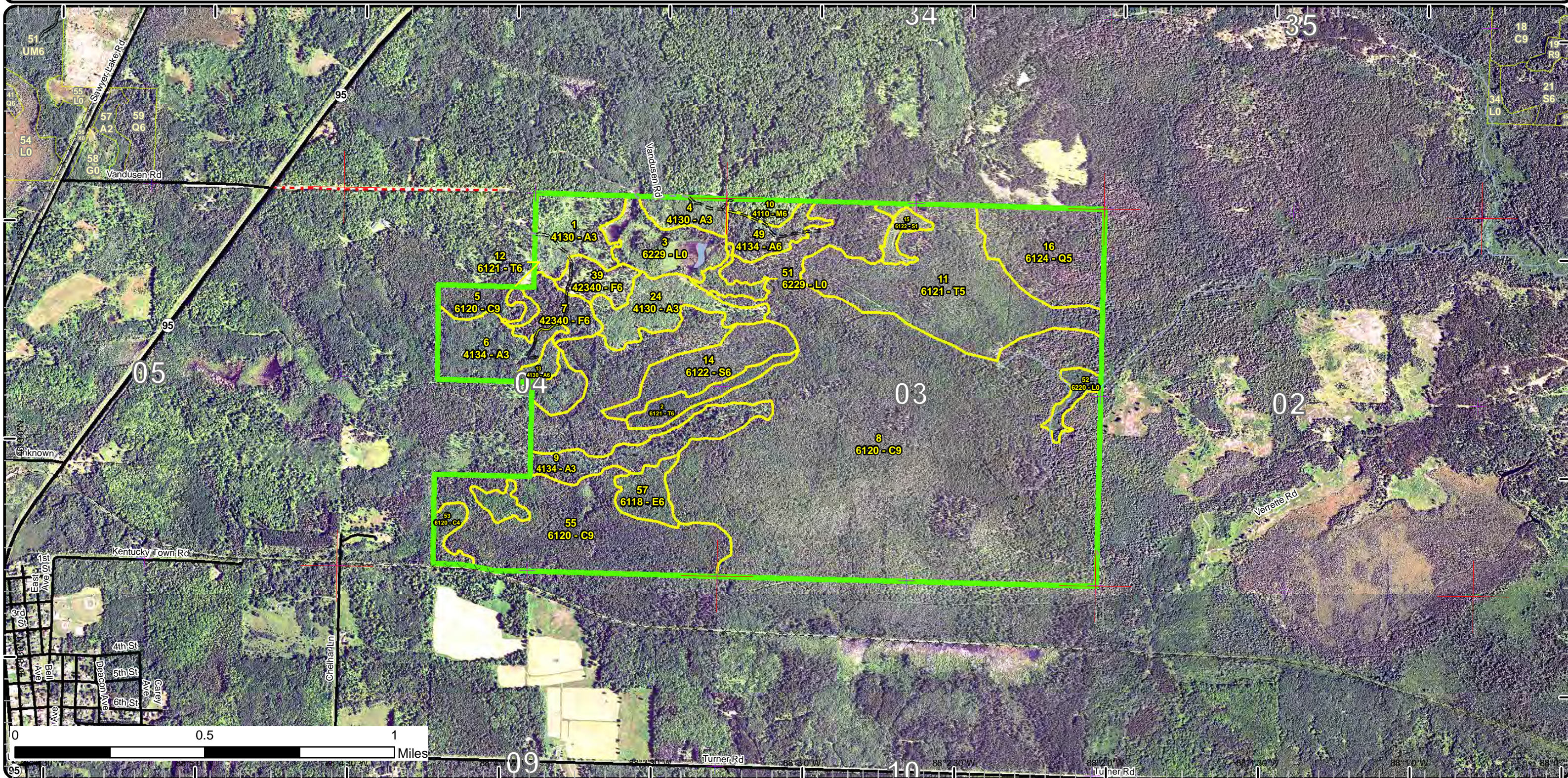


Stand Boundary Map

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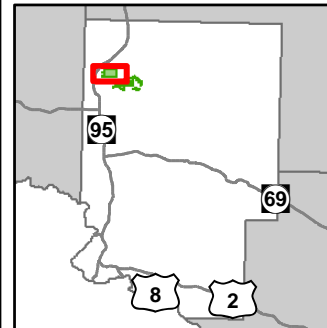


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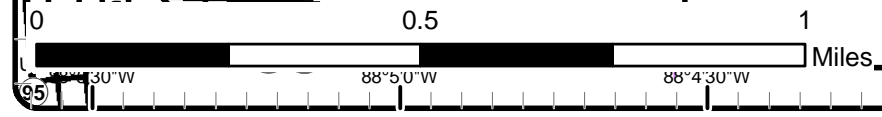
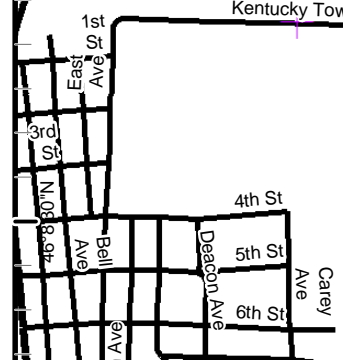
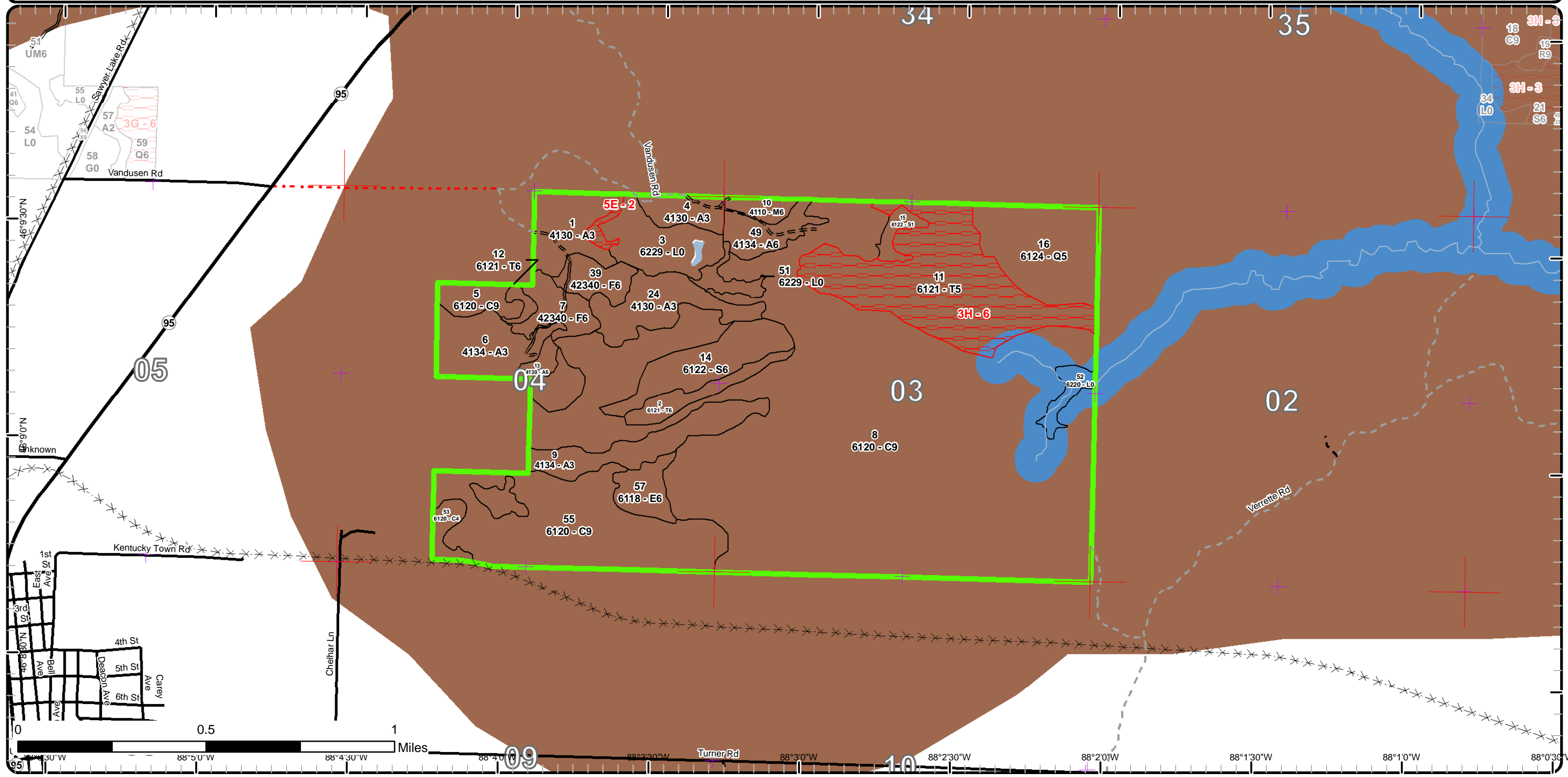


Special Conservation Areas & Site Conditions Map

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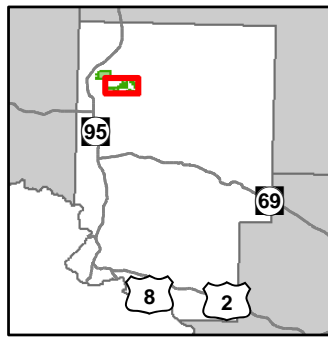


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- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range

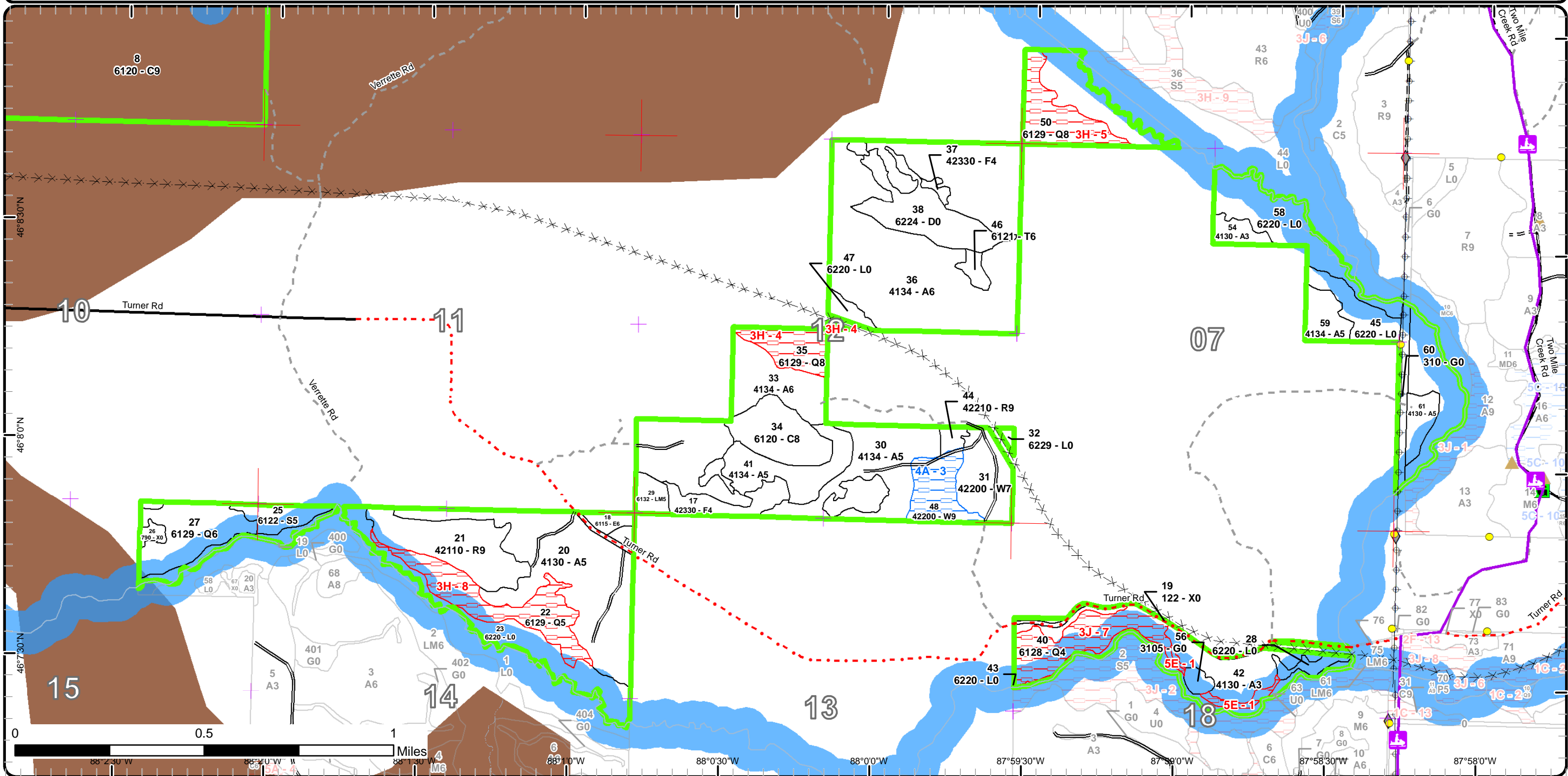


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- ▲ Berms
- 🚪 Gate
- Intermittent Stream
- Perennial River
- ⚡ Powerline
- ▭ Compartment Boundary
- ▭ Available w/ Constraints
- ▭ Unavailable
- 4A: No Markets Available for these Forest Products
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- ▭ Stand Boundaries
- Cold Water Streams
- ▭ High Priority Trout Stream Buffer
- ▭ 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+	Uneven-Aged	Total
Aspen	0	48	38	210	137	46	0	0	0	0	0	0	0	0	0	0	0	0	479
Bare/Sparsely Vegetated	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	508	135	0	0	0	0	0	0	642
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	23	46	47	41	0	0	0	0	0	0	0	157
Lowland Deciduous	0	0	0	0	0	12	3	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Mixed Forest	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Shrub	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169
Lowland Spruce/Fir	0	0	0	0	0	0	6	37	0	0	0	0	0	0	0	0	0	0	43
Northern Hardwood	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Red Pine	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	33
Tamarack	0	0	0	0	3	0	12	92	3	0	0	0	0	0	0	0	0	0	110
Treed Bog	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Upland Spruce/Fir	0	0	0	0	3	47	0	0	0	0	0	0	0	0	0	0	0	0	50
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	19	0	0	15	0	0	0	0	0	0	0	0	34
Total	214	48	38	210	143	105	78	158	49	62	549	135	0	0	0	0	0	0	1787



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 45
Total Compartment Acres: 1,787

Commercial Harvest - 54
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	20	0	0	0	0	0	0	0	0	20
Lowland Conifers	4	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	0	30	0	0	0	0	30
Total	24	0	0	0	30	0	0	0	0	54

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	54	0	0	0	0	0	0	0	0	54
Next Step	0	0	0	0	0	24	0	0	0	24
Total	54	0	0	0	0	24	0	0	0	79



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	12045021-Cut	30.3	42110 - Planted Red Pine	Sawtimber Well	52	171-200	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription thin to 120 BA or remove no more than 1/3 BA whichever occurs first. leave w pine unless needed for minimum equipment operation.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other slight component of r maple 7-8" dbh. heavy hazel along N edge of stand

Comment:

Proposed Start Date: 10/1 /2019

40	12045040-Cut	4.0	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	83	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription cut merchantable aspen, balm, spruce, fir and tamarack. confine sale boundary to upland adjacent to Turner Rd. see stand comments

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, spruce, fir

Regen:

Other lowland conifer with lowland aspen and balm. aspen and balm mainly located adjacent to Turner Rd - very narrow strip of higher ground aspen, spruce/fir. stand overall has low volume, equipment would have difficulties due to lack of tops to support equipment.

Proposed Start Date: 10/1 /2019

41	12045041-Cut	20.1	4134 - Aspen, Spruce/Fir	Poletimber Medium	49	Unspecified	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription cut merchantable aspen, spruce, fir and maple. leave w birch, w pine and cedar (if present). keep sale boundary on high ground

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, spruce, fir

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 54.4

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Ed Rice : Examiner

Compartment: 45
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		4A	3H	3J	5E
479	454	0	25	Aspen				25
3	3	0	0	Bare/Sparsely Vegetated				
642	642	0	0	Cedar				
10	10	0	0	Herbaceous Openland				
158	73	0	84	Lowland Conifers		60	24	
16	16	0	0	Lowland Deciduous				
5	5	0	0	Lowland Mixed Forest				
169	169	0	0	Lowland Shrub				
42	42	0	0	Lowland Spruce/Fir				
6	6	0	0	Northern Hardwood				
33	33	0	0	Red Pine				
110	18	0	92	Tamarack		92		
26	26	0	0	Treed Bog				
49	49	0	0	Upland Spruce/Fir				
5	5	0	0	Urban				
34	19	15	0	White Pine	15			
1,787	1,570	15	201	Total Forested Acres	15	153	24	25
	88%	1%	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	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Ed Rice : Examiner

Compartment: 45
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2	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	4A: No Markets Available for these Forest Products	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	19	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	92	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 45

Year of Entry: 2020

7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	27	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
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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	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.
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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Sapling Well	25.8	7	Immature	TCR 7/29/11 - final harvested as Safety Zone Aspen sale #10-073-10-01. Aspen regeneration with red pine pockets. scattered h maple.
2	6121 - Tamarack	Poletimber Well	11.6	57	Unspecified	
4	4130 - Aspen	Sapling Well	11.4	14	Immature	
5	6120 - Lowland Cedar	Sawtimber Well	10.7	101	Unspecified	very dense cedar 160 BA and higher in areas. scattered tamarack
6	4134 - Aspen, Spruce/Fir	Sapling Well	35.4	25	Immature	just moving into poletimber size class, scattered 1 stick aspen. E end of stand has higher stocking of spruce/fir
7	42340 - Upland Spruce/Fir	Poletimber Well	14.4	46	Unspecified	component of larger fir 8-10" throughout. very poor aspen and widely scattered. scattered w pine 18-22" dbh NW corner of stand has an inclusion of well over mature aspen, spruce and fir.
8	6120 - Lowland Cedar	Sawtimber Well	507.6	94	Unspecified	overall very high quality cedar swamp. areas of lower stocking/lower quality cedar with heavier tag alder. cedar ranges from 9-16" dbh. small inclusions of pure tamarack 6-8" dbh scattered throughout the stand. multiple creeks flowing W - E
9	4134 - Aspen, Spruce/Fir	Sapling Well	26.7	25	81-110	
10	4110 - Sugar Maple Association	Poletimber Well	6.1	63	51-80	
11	6121 - Tamarack	Poletimber Medium	92.3	62	Unspecified	W end of stand has lower quality - tree diameters run smaller 3-6" dbh. E end holds small acreage of well formed and well stocked tamarack 6-8" dbh. intermixed with cedar throughout. N edge has small inclusion of high ground w pine 18-28" dbh with associated spruce/fir
12	6121 - Tamarack	Poletimber Well	2.8	72	Unspecified	
13	4130 - Aspen	Poletimber Well	4.2	47	Unspecified	Aspen 5-11" dbh, 4-5 sticks tall. wet upland site with tag alder. very scattered upland cedar
14	6122 - Black Spruce	Poletimber Well	28.8	67	Unspecified	predominately b spruce. areas of low stocking, fairly open with S3. tamarack ranges from 7-14" dbh
15	6122 - Black Spruce	Sapling Poor	5.5	50	Unspecified	open area grown into low quality, stunted b spruce saplings/very small poletimber
16	6124 - Lowland Spruce-Fir	Poletimber Medium	46.1	75	Unspecified	low quality stand, lower site index. progresses from tamarack to b spruce throughout.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42330 - Upland Fir	Poletimber Poor	20.6	41	Unspecified	semi open stand - areas of non stocked. very W end has higher component of poorly stocked, open hemlock, cedar, with fir
18	6115 - Lowland Ash	Poletimber Well	3.4	53	Unspecified	
20	4130 - Aspen	Poletimber Medium	66.5	23	Immature	aspen just moving into poletimber size class, many submerchantable trees still a component of the stand. in past the stand was cut over a 5 year time period - the S 1/4 is smaller diameter due to this. center of stand has well stocked spruce/fir with heavy winter deer usage.
21	42110 - Planted Red Pine	Sawtimber Well	30.3	52	171-200	slight component of r maple 7-8" dbh. heavy hazel along N edge of stand
22	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	27.3	91	Unspecified	lower site index - fairly open grown stand with heavy tag alder
24	4130 - Aspen	Sapling Well	26.8	14	Immature	
25	6122 - Black Spruce	Poletimber Medium	7.9	62	51-80	fairly open grown stand with heavy tag alder understory
27	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	23.4	62	Unspecified	variable stand - areas of cedar with tamarack and b spruce. tag alder and fir understory throughout. open areas with dense tag alder
29	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	5.4	53	Unspecified	
30	4134 - Aspen, Spruce/Fir	Poletimber Medium	59.3	27	Unspecified	aspen just moving into poletimber size class
31	42200 - Natural White Pine	Sawtimber Poor	18.9	59	51-80	past timber sale cut out aspen. lower quality pine - limby, short trees. small pockets of well stocked w pine saplings. aspen saplings throughout
33	4134 - Aspen, Spruce/Fir	Poletimber Well	21.6	45	Unspecified	aspen 4-5 sticks tall, 6 -7" dbh - needs diameter growth. slight component of low quality r maple 12-14" dbh in SE end. very small cedar inclusion in W end of stand. where stand transitions to adjacent lowland, tag alder is prevalent in understory.
34	6120 - Lowland Cedar	Sawtimber Medium	20.5	101	Unspecified	heavily used by wintering deer
35	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	13.5	90	Unspecified	areas of low stocked trees heavy to tag alder. heavy winter deer use
36	4134 - Aspen, Spruce/Fir	Poletimber Well	123.8	31	Immature	pockets of dense r maple saplings in areas. S and W 1/2 of stand spruce/fir component is more prevalent in small pockets. small openings throughout



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	42330 - Upland Fir	Poletimber Poor	2.7	31	Unspecified	semi open area - fir is open grown, very limby
39	42340 - Upland Spruce/Fir	Poletimber Well	11.7	46	Unspecified	very open stand- aspen cut in the past failed to regenerate, very little to almost none aspen sprouting. scattered r pine, w pine. pine site.
40	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	28.2	83	Unspecified	lowland conifer with lowland aspen and balm. aspen and balm mainly located adjacent to Turner Rd - very narrow strip of higher ground aspen, spruce/fir. stand overall has low volume, equipment would have difficulties due to lack of tops to support equipment.
41	4134 - Aspen, Spruce/Fir	Poletimber Medium	20.1	49	Unspecified	areas of low stocking with cherry brush/saplings. fir 4 - 10" dbh. aspen 6-10" dbh
42	4130 - Aspen	Sapling Well	21.8	6	Immature	slight component of r pine and w pine
44	42210 - Natural Red Pine	Sawtimber Well	2.6	59	141-170	very widely scattered "wolf, older aged" r pine 24-26" dbh
46	6121 - Tamarack	Poletimber Well	3.2	31	Immature	
48	42200 - Natural White Pine	Sawtimber Well	15.2	82	111-140	aspen had been cut out of stand in past timber sale. small pockets of A3 2-4" dbh heavily used by wintering deer
49	4134 - Aspen, Spruce/Fir	Poletimber Well	13.6	30	Immature	scattered 2 stick aspen. slight w birch and r pine components
50	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	19.4	83	Unspecified	small component of w spruce 12-14" dbh along edges transitioning to higher ground. very scattered slightly higher ground islands throughout. E end is more open with heavier component of tag alder. very poor access - through pvt and no road access heavy winter deer use
53	6120 - Lowland Cedar	Poletimber Poor	12.1	101	81-110	low stocking, open canopy. heavy tag alder with widely scattered trees. cedar mainly growing in small clumps. creek runs along N edge of stand.
54	4130 - Aspen	Sapling Well	5.5	29	Immature	
55	6120 - Lowland Cedar	Sawtimber Well	90.8	101	Unspecified	cedar larger diameters than in adjacent lowland stands
57	6118 - Lowland Deciduous with Cedar	Poletimber Well	12.3	46	81-110	b ash 3-10" dbh
59	4134 - Aspen, Spruce/Fir	Poletimber Medium	9.0	29	Immature	aspen just moving into poletimber size class - low quality, off site aspen. pine ground

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Crystal Falls Mgt. Unit

Report 7 – Forested Stands

Compartment: 45
Year of Entry: 2020



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
61	4130 - Aspen	Poletimber Medium	7.2	29	Immature	very scattered spruce fir along transmission line edge. stand just moving into poletimber size class



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6229 - Mixed lowland shrub	25.8	No	series of ponds with tag alder. small inclusion of upland ridges
19	122 - Road/Parking Lot	4.9	No	Turner Road
23	6220 - Alder/willow	33.5	No	tag alder/swamp grass flats to the Ford River
26	790 - Other Bare/Sparsely Vegetate	2.8		small higher ground stand, open with submerchantable fir, scattered tamarack and cherry saplings. stand was cut several years ago. old blue paint line running N-S at E edge of stand.
28	6220 - Alder/willow	3.6	No	tag alder thicket adjacent to Ford River
32	6229 - Mixed lowland shrub	1.0	No	tag alder with scattered tamarack/lowland conifer. extremely wet
38	6224 - Treed Bog	25.6	No	somewhat mixed stand. much of stand, notably the N fingers are dense willow/tag alder thicket. scattered pockets of tamarack 6-7" dbh. cedar inclusions along E edge
43	6220 - Alder/willow	9.2	No	tag alder bottomlands along Ford River, scattered balm and lowland hardwoods
45	6220 - Alder/willow	12.3	No	tag alder/swamp grass with scattered lowland conifer trees along Weber Creek.
47	6220 - Alder/willow	3.9	No	low density b spruce scattered in tag alder
51	6229 - Mixed lowland shrub	5.8	No	tag alder with scattered lowland conifers. drainages
52	6220 - Alder/willow	6.6	No	tag alder with scattered trees. open canopy. creek runs through the stand
56	3105 - Mixed Upland Herbaceous	2.7	No	scattered cherry saplings
58	6220 - Alder/willow	67.3	No	tag alder bottomlands to Weber Creek. scattered b spruce and tamarack
60	310 - Herbaceous Openland	7.8	No	powerline ROW