



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12129

Entry Year 2021

Acreage: 1,825

County Iron

Management Area: Net River

Revision Date: 2019-08-03

Stand Examiner: Ed Rice

Legal Description:

T46N R34W sections 9, 10, 13, 15,16,22, 24

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Attempt to sustainably balance the aspen age class acres. Get the hardwood stands on a 20 year alternating cutting cycle towards regulation. Protect the riparian areas and transition zones during management activity.

Soil and topography:

The compartment has large expanses of muck soils. Any of the highland areas are associated with sandy loams. There is one area having a pure sand. The topography is generally flat to slightly rolling.

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

Much of the compartment is in one block of state ownership. There are smaller acreages to the east surrounded by private land and in one block landlocked by private holdings. Active forest management has occurred and will continue occurring within and adjacent to the compartment. Industrial forest land owners also have lands bordering the compartment.

Unique Natural Features:

None identified

Archeological, Historical, and Cultural Features:

None identified

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The Net River runs through eastern parcels of the compartment. In this area the Net is a warm water stream and consists of a slow meandering river through tag alder flats. A small portion of Reservoir Creek also flows through the northern corner of the compartment.

This compartment contains Reservoir Creek, WB Net River and Net River. Reservoir Creek and WB Net are both Type 1 trout streams. Reservoir Creek is less than 50' in width. 300' buffers are recommended for these waterbodies susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope. The portion of the WB of the Net River is greater than 50' in width for most locations, 100' buffer recommended for this site, plus 5' per 1% increase in slope. The Net River is a warm transitional small river and should have 100' buffer plus 5' per 1% increase in slope.

Wildlife Habitat Considerations:

This compartment is in the Net River MA with American woodcock, American marten, black bear, moose, deer and wood duck are the featured species. This compartment contain state game purchased parcels. This compartment was part of the historical Cable Lake-Porter Lake Deeryard. Though this compartment is not formally designated as deer winter range, there still exists very good cedar and lowland habitat. Moose and wolves are commonly using the area in and around the compartment.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel pits exist in the area. An old, previously used sand pit does exist but is growing in. However, numerous wetlands in the compartment may inhibit any surface development. There is no history of metallic mineral mining in this area. The state does not own all mineral rights within the compartment. .

Vehicle Access:

Access through the center of the compartment is good by the Cable Lake Road. Access to the remainder of the compartment is poor to very poor. The few woods roads present are generally overgrown and winter type roads.

Survey Needs:

Several survey corners are needed to be set.

Recreational Facilities and Opportunities:

None

Fire Protection:

Much of the compartment is wet swamp. For the most part, fires would be of low intensity. The exception being several large clearcuts present with current heavy, cured slash loading. These may be conducive to very active fire until those stands develop heavier green up.

Additional Compartment Information:

The following reports from the Inventory are attached:

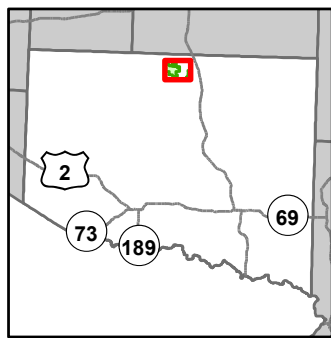
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

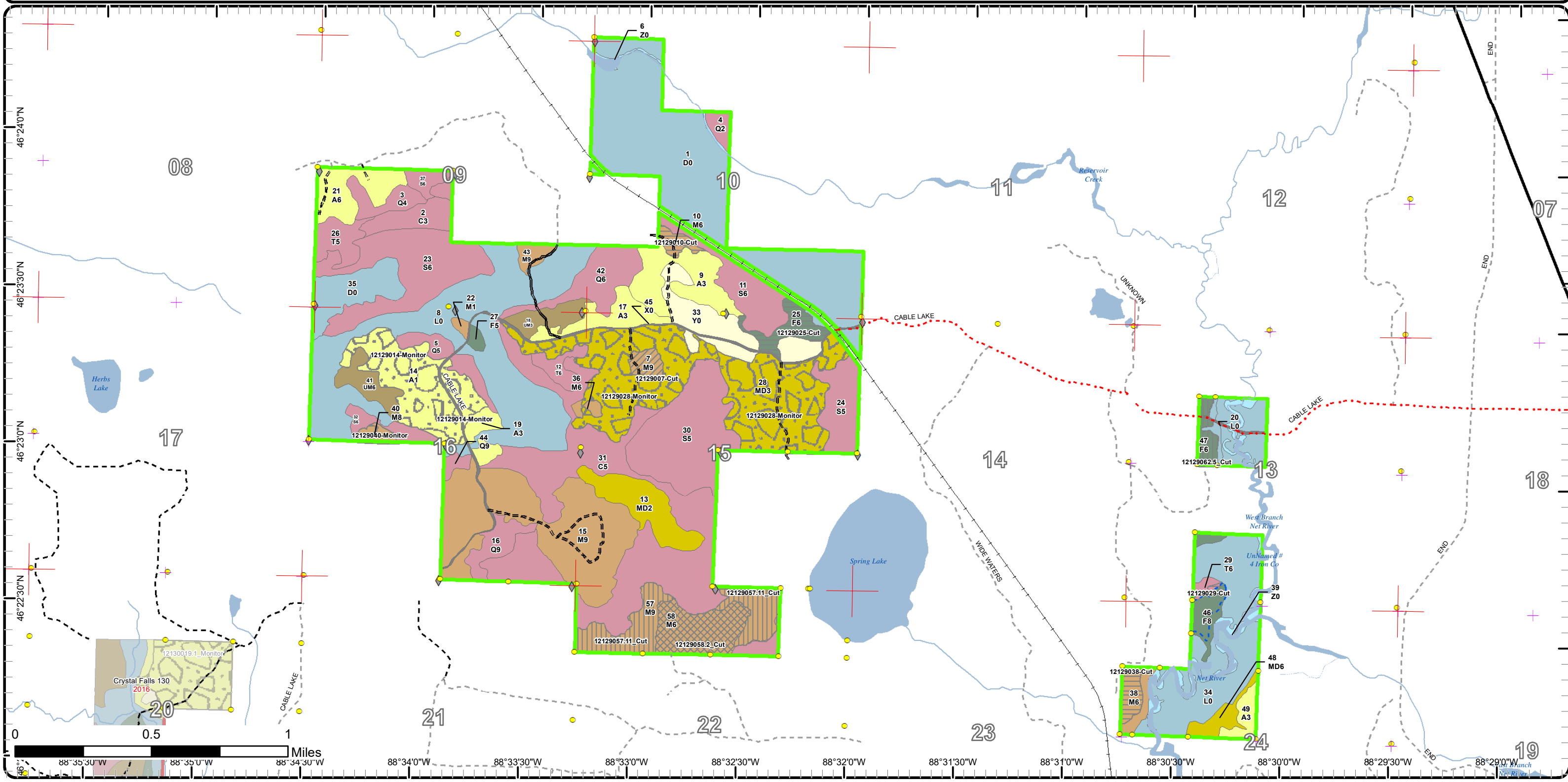
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

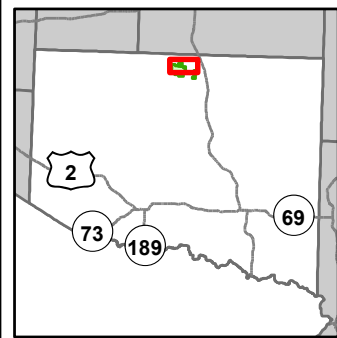
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 T46N, R34W, Sec. 9, 10, 13, 15,
 16, 22, 24
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Net River
 YOE: 2021
 Acres: 1,825 GIS Calculated
 Examiner: Ed Rice
 Map Revised: 1/27/2020
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil

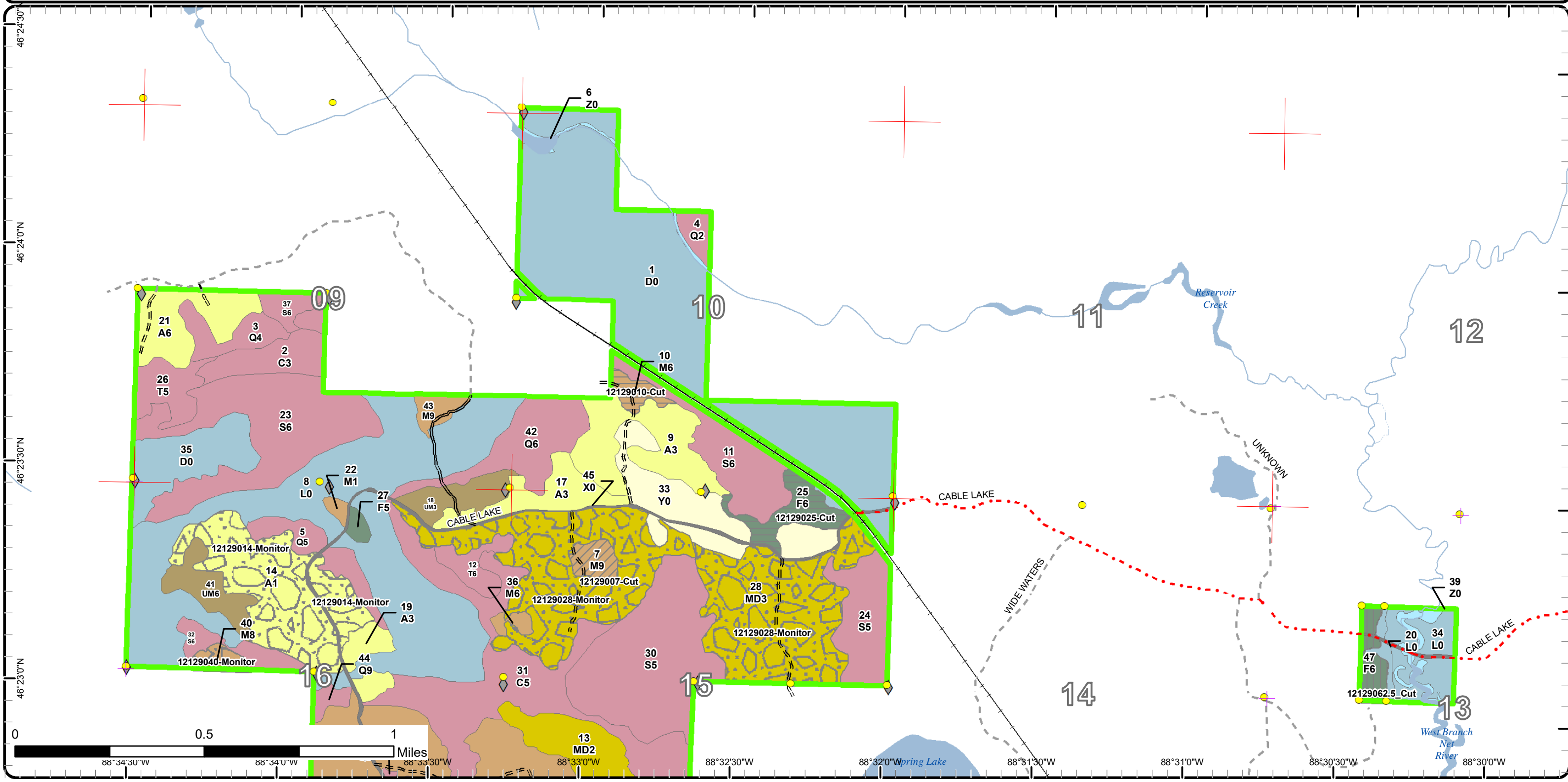


Cover Type & Treatments Map

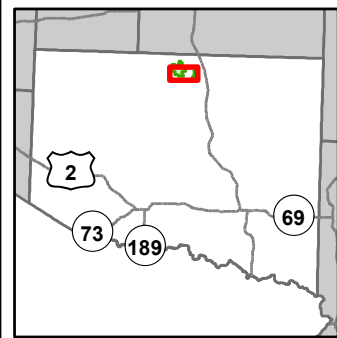


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- | | | |
|--|-------------------------------------|--------------------------------|
| — Miris Corners | — Lakes and Rivers | — 710 - Sand/Soil |
| + Remonumented Section Corners | — Compartment Boundary | — Clearcut (w/Reserves) |
| ● Survey Grade Corners | — Thinning (Crown, Low, Systematic) | — Regeneration Survey |
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| — Counties | — 413 - Aspen | — 419 - Mixed Upland Deciduous |
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| — County - Gravel Road | — Intermittent Stream | |
| — Private - Dirt / Gravel Road | — Lake/Pond | |
| — Active Railroads | — Perennial River | |

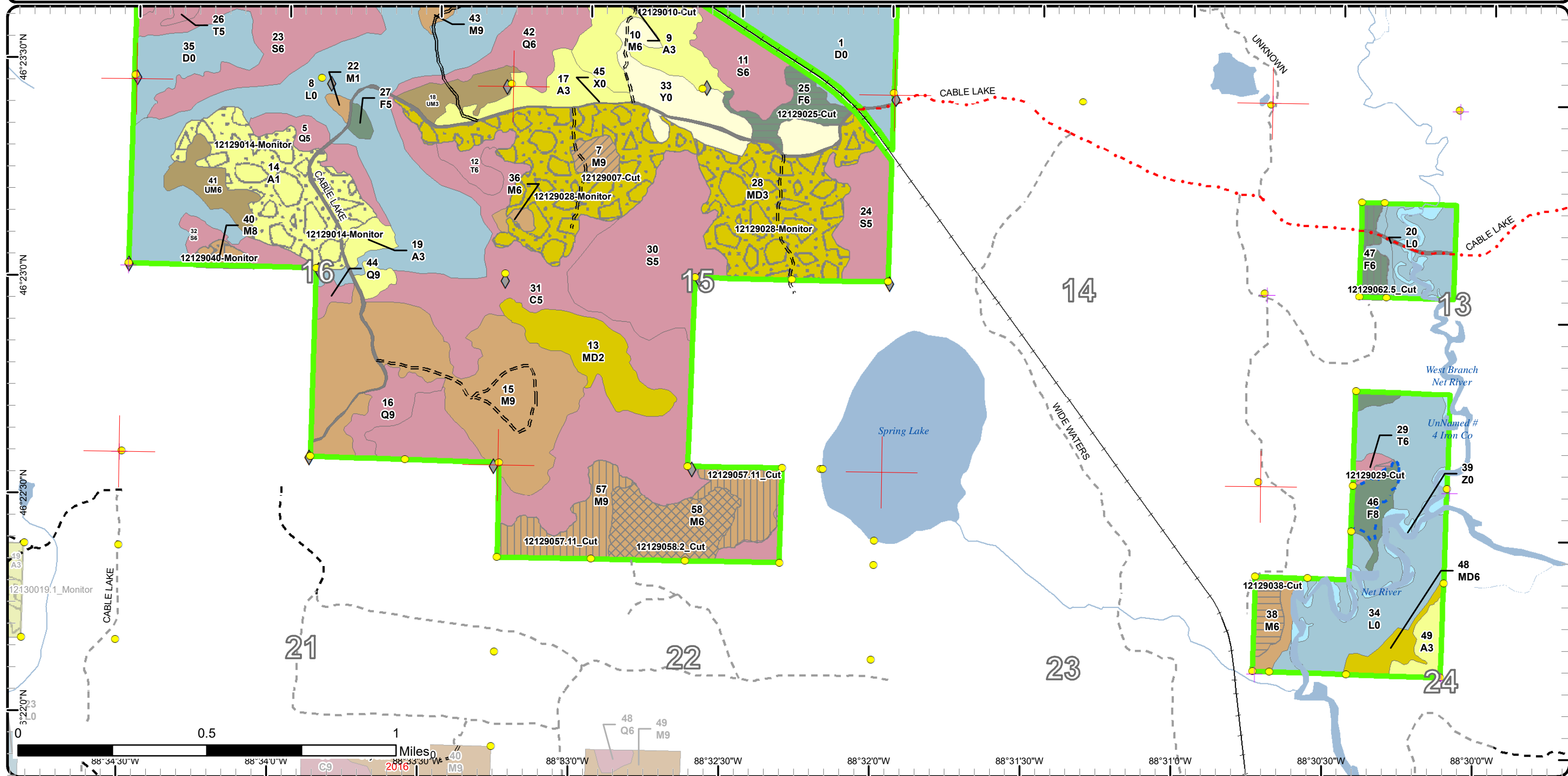


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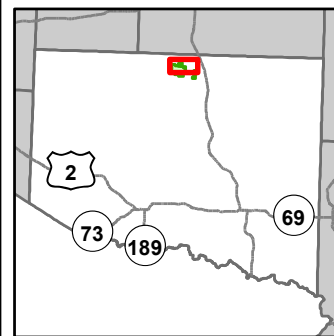
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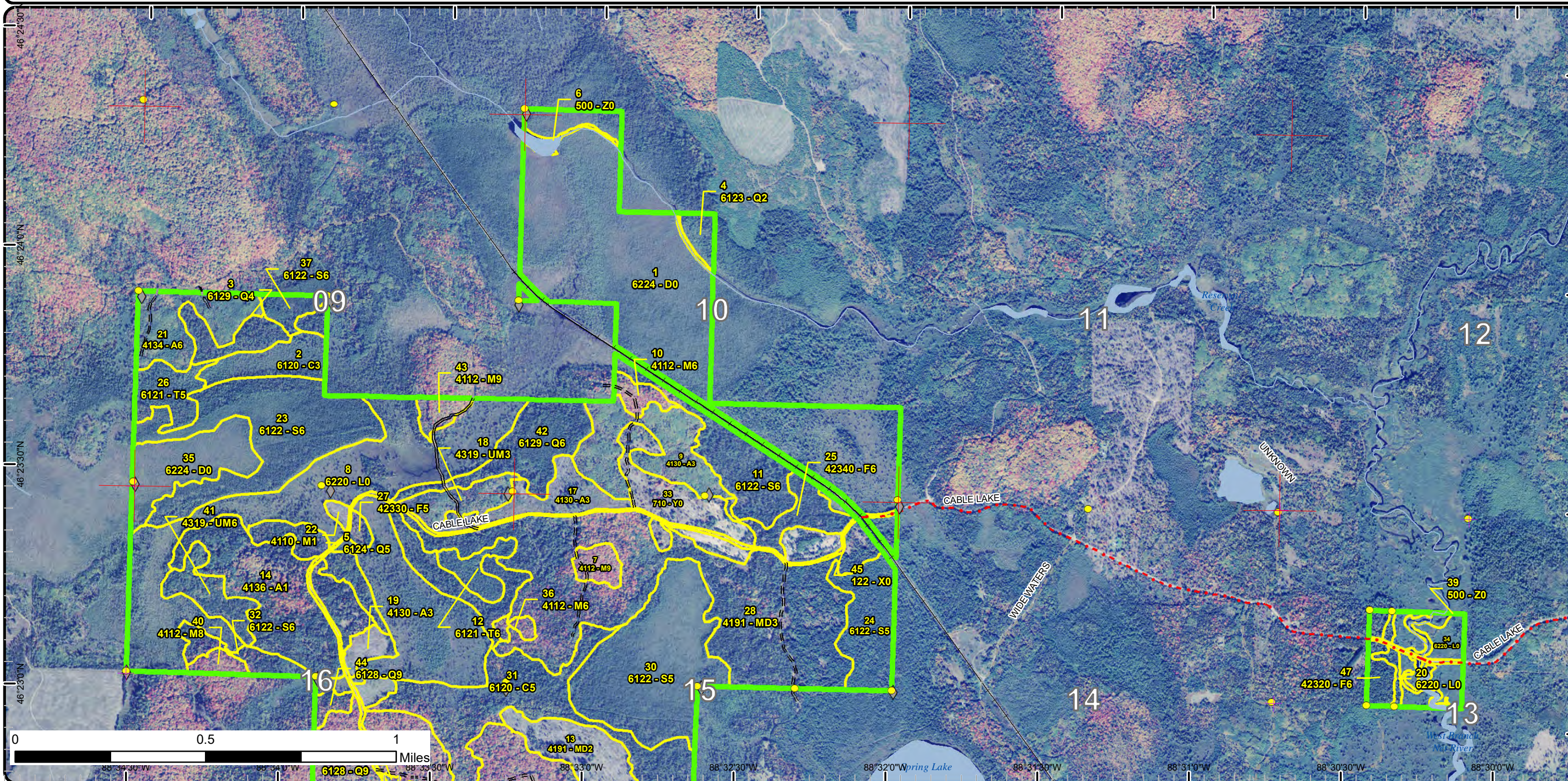


Stand Boundary Map

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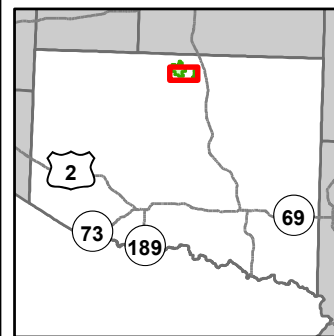


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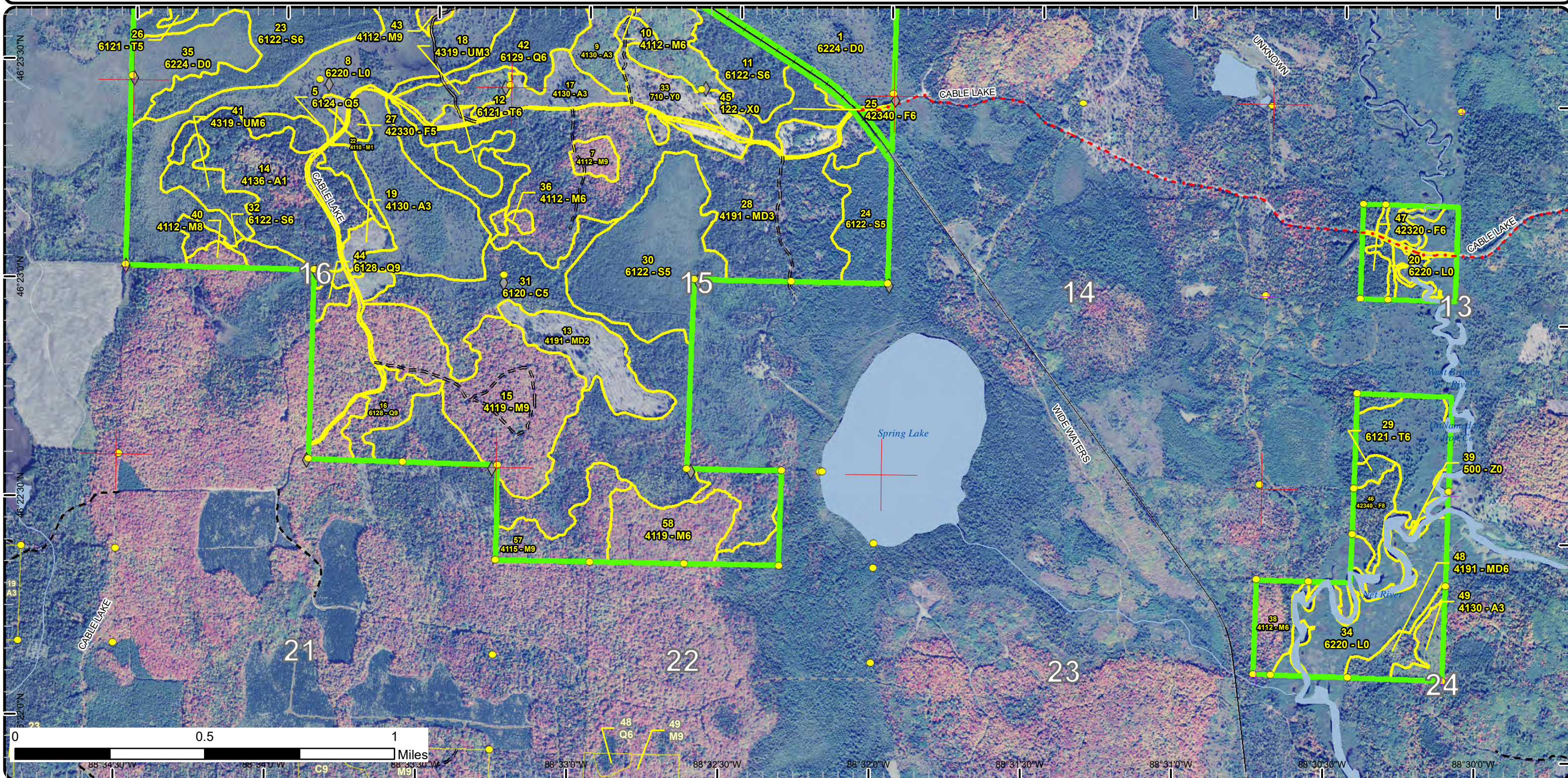


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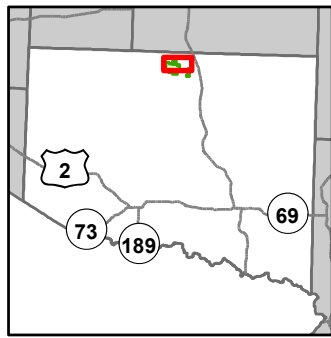


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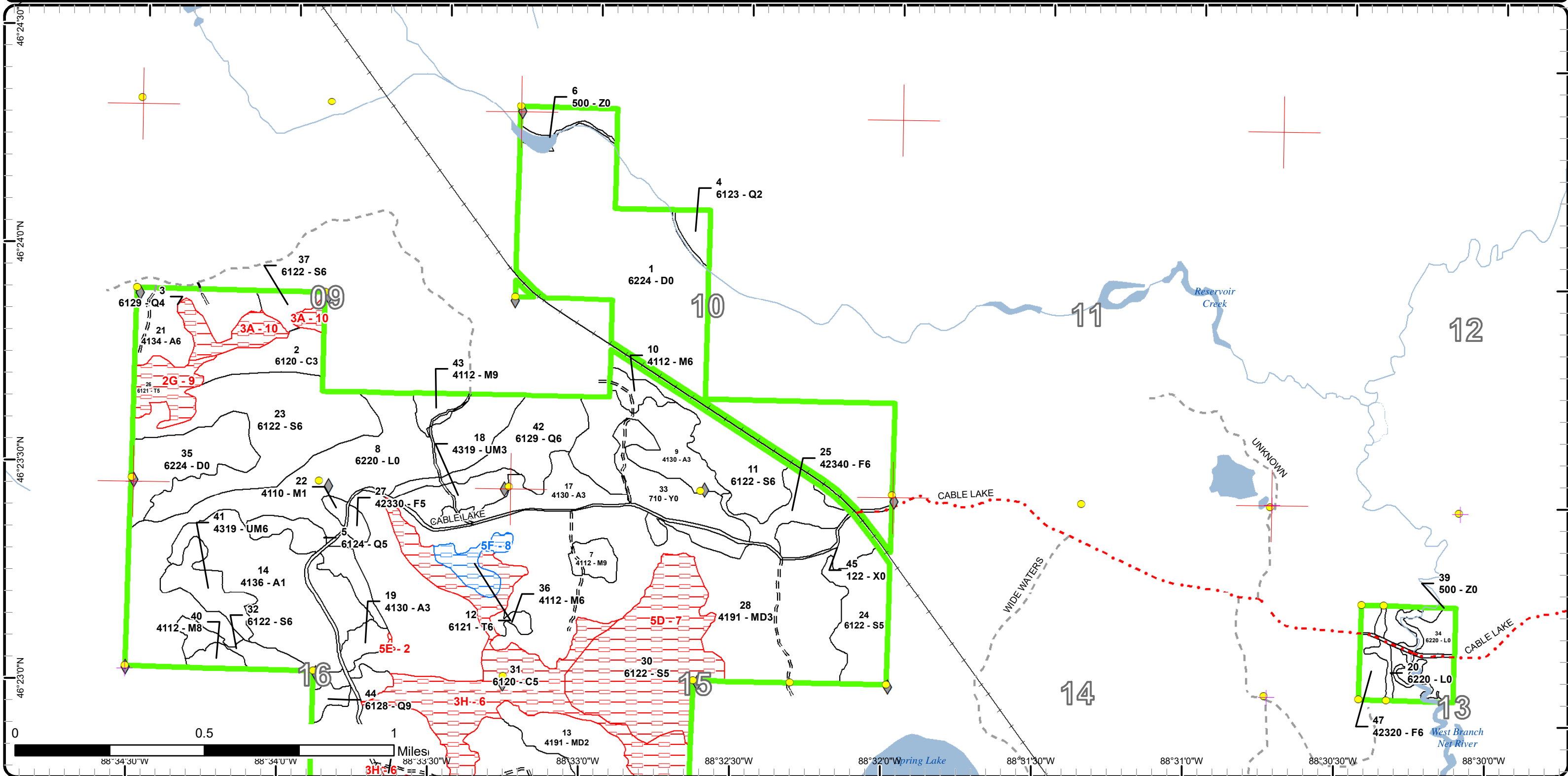


Special Conservation Areas & Site Conditions Map

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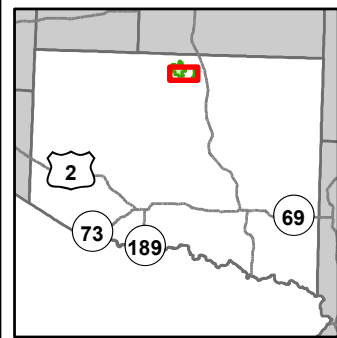


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- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes

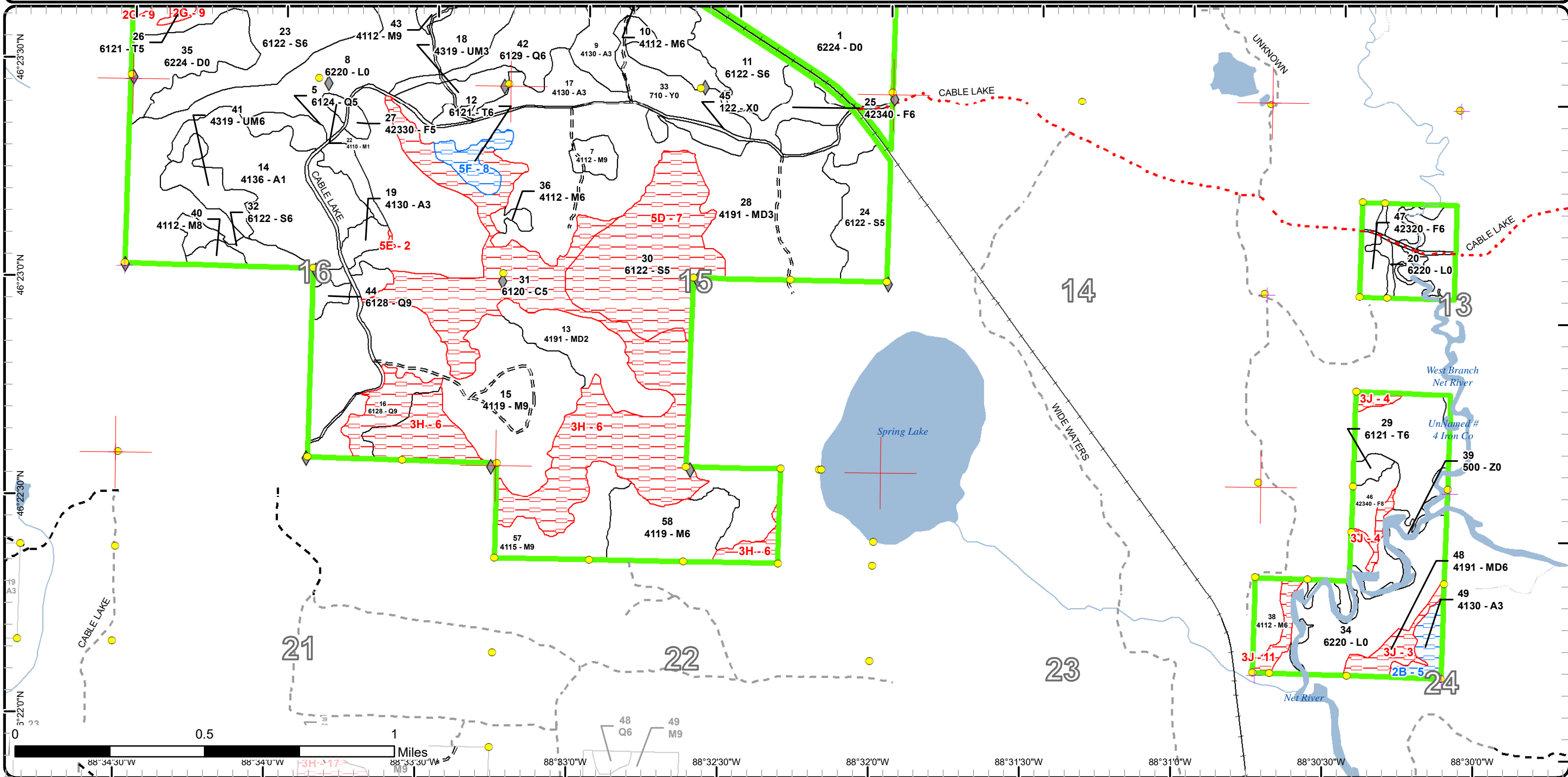


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- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes



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	97	46	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	171
Cedar	0	0	0	0	17	0	0	0	0	0	179	0	0	0	0	0	0	0	195
Lowland Conifers	0	0	0	0	6	0	15	0	31	15	16	4	0	0	0	0	0	0	87
Lowland Shrub	287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	287
Lowland Spruce/Fir	0	0	0	0	0	0	138	0	87	0	0	0	0	0	0	0	0	0	225
Mixed Upland Deciduous	0	197	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	207
Northern Hardwood	0	2	0	0	0	0	3	79	19	0	0	0	0	0	0	0	0	145	248
Sand, Soil	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Tamarack	0	0	0	0	0	0	0	0	25	4	0	0	0	0	0	0	0	0	29
Treed Bog	227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	227
Upland Mixed Forest	0	0	14	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Upland Spruce/Fir	0	0	0	0	3	0	24	14	0	0	0	0	0	0	0	0	0	0	41
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Total	594	296	60	0	69	0	190	93	162	19	195	4	0	0	0	0	0	145	1826



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 129
Total Compartment Acres: 1,825

Commercial Harvest - 126
Harvests with Site Condition - 8
Next Step Harvest - 10
Habitat Cut - 10

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	15	34	0	0	45	7	0	0	0	101
Tamarack	1	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	23	0	0	0	10	0	0	0	0	33
Total	40	34	0	0	54	7	0	0	0	135

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	135	0	0	0	0	0	238	0	0	372
Next Step	10	0	0	0	0	0	118	0	0	128
Total	144	0	0	0	0	0	356	0	0	500



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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
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Proposed Treatments:

7	12129007-Cut	7.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	73	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> thin to 70 BA/acre. keep components of all species in stand. leave cedar, hemlock and w pine. buffer any vernal area/s found</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
10	12129010-Cut	6.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	73	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> cut merchantable maple, spruce, fir, and w birch. where available, leave 2 better formed maple per cruise point. stay on top of large hill along the north end of the stand. leave any decent formed h maple. leave w pine and hemlock</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 Regen:</u> maple, spruce, fir</p> <p><u>Other Comment:</u> very low quality r maple. scattered w birch 12 - 16" dbh</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
25	12129025-Cut	14.9	42340 - Upland Spruce/Fir	Poletimber Well	57	Unspecified	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> cut merchantable (1 stick and larger) aspen, spruce, fir, w birch, and tamarack. where available leave 10 -20 foot diameter seed patches of spruce spaced approximately every 200 feet. leave w pine, r pine</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 Regen:</u> aspen, spruce, fir</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



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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
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29	12129029-Cut	1.2	6121 - Tamarack	Poletimber Well	83	81-110	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
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Prescription cut merchantable tamarack, spruce, and fir. do not cut cedar

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable tamarack, b spruce

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

38	12129038-Cut	8.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	66	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription cut merchantable r maple, w birch, fir and spruce. in small n hardwood inclusion area, mark to 70 BA, favoring better formed h maple. do not

Specs: cut w pine, r pine, cedar or hemlock

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, spruce, fir, aspen

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

46	12129046-Cut	8.4	42340 - Upland Spruce/Fir	Sawtimber Medium	68	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription cut merchantable aspen, r maple, spruce, fir, and cherry. leave 1 cherry per cruise point where available. do not cut w pine, r pine, hemlock

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, spruce/fir, maple

Regen:

Other

Comment:

Site Condition BMPs

Proposed Start Date: 10/1 /2020

Approved Treatments:

14	12129014-Monitor	66.2	4136 - Aspen, Mixed Conifer	Sapling Poor	2	Immatu re	Monitoring	Natural Regen (Re-Inventory)	42340 - Upland Spruce/Fir	Even-Aged	No
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Prescription remove aspen, spruce, fir, birch, cherry, tamarack, and maple 1 stick and larger. do not cut w pine, cedar, oak, b ash, or hemlock

Specs:

Next Step

Treatments:

Acceptable Mix of balsam, spruce, pine, aspen and maple.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition



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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
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Proposed Start Date: 10/24/2018

28	12129028-Monitor	165.9	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	2	Immature	Monitoring	Natural Regen (Re-Inventory)	42340 - Upland Spruce/Fir	Even-Aged	No
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Prescription stand is regenerating to aspen, r maple, fir

Specs:

Next Step

Treatments:

Acceptable Mix of balsam, spruce, pine, aspen and maple.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/24/2018

40	12129040-Monitor	5.4	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	58	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Even-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Mix of hardwood and softwood.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/24/2018

57	12129057.11_Cut	44.5	4115 - Y.Birch, Hemlock NH	Sawtimber Well	60	111-140	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription cut merchantable r maple, spruce, and fir. leave tree mark y birch, any quality h maple and a component of cherry. leave cedar, hemlock and white/red pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable yellow birch, maple, spruce, fir

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2015



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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
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58	12129058.2_C ut	34.2	4119 - Mixed Northern Hardwoods	Poletimber Well	61	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
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Prescription thin to 60 - 90 BA removing high risk, damaged, and trees impacted by stress or disease. do not cut cedar, hemlock, red/white pine, elm or
Specs: oak.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2015

47	12129062.5_C ut	9.5	42320 - Upland Spruce	Poletimber Well	59	51-80	Harvest	Shelterwood with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
----	--------------------	-----	--------------------------	--------------------	----	-------	---------	-------------------------------	---------------------------------------	-----------	----

Prescription Cut all merchantable trees, except do not cut red and white pine, cedar, hemlock, cherry, oak or elm if present in the stand. Leave trees will
Specs: be marked with red paint and will include black and white spruce, plus the above mentioned trees. When setting up sale, a decision can be made for leaving groups of trees or individuals scattered in the stand.

Next Step Harvest, Shelterwood with Retention

Treatments:

Acceptable spruce, balsam, tamarack

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2015

Total Treatment 372.2
Acres Proposed:



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		2B	5F	2G	3A	3H	3J	5D	5E	
171	161	9	0	Aspen	9					0			0
196	17	0	178	Cedar					178				
87	56	0	31	Lowland Conifers				16	15				
287	287	0	0	Lowland Shrub									
224	148	0	77	Lowland Spruce/Fir							77		
207	197	0	10	Mixed Upland Deciduous						10			
247	241	0	6	Northern Hardwood						6			
39	39	0	0	Sand, Soil									
29	4	10	15	Tamarack		10	15						
227	227	0	0	Treed Bog									
30	30	0	0	Upland Mixed Forest									
41	35	0	6	Upland Spruce/Fir						6			
13	13	0	0	Urban									
28	28	0	0	Water									
1,825	1,482	19	324	Total Forested Acres	9	10	15	16	194	22	77		0
	81%	1%	18%	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	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Ed Rice : Examiner

Compartment: 129
Year of Entry: 2021



4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	194	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5D: Unproductive Forest Land	77	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stunted, small diameter b spruce transitioning to treed bog in center							
8	Available	5F: Evaluated for Forest Health Considerations	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



10	Unavailable	3A: Conservation Values incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: low stocked stand but heavy cedar component</p>							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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																																						
1	6224 - Treed Bog	Nonstocked	196.3		Unspecified	No	large treed bog with b spruce/tamarack 5 -7" dbh with a scattered cedar component. b spruce/tamarack sapling understory in areas. areas of open marsh - cattail/leatherleaf. multiple drainages																																						
2	6120 - Lowland Cedar	Sapling Well	17.2	31	Immature	N/A	very highly stocked cedar sapling stand with scattered poletimber/small sawlog sized cedar. cedar saplings 3 - 10' tall																																						
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3	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	15.8	97	51-80	N/A	E end of stand heavier stocked to cedar																																						
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4	6123 - Lowland Fir	Sapling Medium	5.9	30	Immature	N/A	older b spruce acting as natural shelterwood.																																						
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5	6124 - Lowland Spruce-Fir	Poletimber Medium	15.3	59	51-80	N/A	tamarack very scattered through stand. areas with open canopy heavier to tag alder																																						
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6	500 - Water	Nonstocked	3.9		Unspecified	No	Reservoir Creek																																						
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.0	73	111-140	N/A																																							
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8	6220 - Alder/willow	Nonstocked	174.2		Unspecified	No	tag alder and scattered lowland conifer, b ash. scattered open grown cedar and tamarack. areas of ponded water																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
9	4130 - Aspen	Sapling Well	37.0	16	Immature	N/A																																				
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11	6122 - Black Spruce	Poletimber Well	30.9	57	81-110	N/A	tag alder openings interspersed throughout stand. runs/strips of cedar																																			
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13	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	32.8	6	Immature	N/A	slight w pine sawtimber component - very widely scattered. r maple is browsed (moose) in areas																																			
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14	4136 - Aspen, Mixed Conifer	Sapling Poor	65.5	2	Immature	N/A	areas of sparse aspen regeneration - these areas are heavier to r maple stump sprouts. aspen regeneration more prevalent in central to E of the stand. small pockets of red pine inclusions. small n hardwood inclusion in center of stand. stand cut in 2018																																			
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15	4119 - Mixed Northern Hardwoods	Sawtimber Well	124.5	73	81-110	N/A	H maple is fair quality, r maple low- fair quality. r maple sapling stump sprouts. scattered hemlock - immediately E of Cable Lk Rd hemlock is more prevalent. scattered vernal ponds. rock outcrops. W block of stand has slightly higher stocking. Thinned 2013.																																			
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16	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	15.0	85	81-110	N/A	N end higher stocked to r maple poletimber/sawtimber sized trees, low quality. widely scattered w pine 20" dbh. small creek originates and drains out of stand																																						
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20	6220 - Alder/willow	Nonstocked	3.5		Unspecified	No	tag alder with very low stocking of large tamarack																																						
21	4134 - Aspen, Spruce/Fir	Poletimber Well	27.8	31	Unspecified	N/A																																							
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22	4110 - Sugar Maple Association	Sapling Poor	1.9	6	1-50	N/A	b cherry stump sprouts. previous stand prior to cutting was dominate to conifer component																																						
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23	6122 - Black Spruce	Poletimber Well	71.6	58	81-110	N/A	E end has good cedar regeneration 3 - 10' tall. small pockets throughout holding higher stocking of tamarack. center of stand transitions to small diameter trees (S3) - lower SI. typical variable swamp stand with areas of well stocked/well formed poletimber interspersed with areas of lower SI and smaller/younger/lower quality.																																						
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24	6122 - Black Spruce	Poletimber Medium	28.0	57	51-80	N/A	W end of stand hold lower quality b spruce - similar age with smaller diameters. semi open areas throughout																																
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25	42340 - Upland Spruce/Fir	Poletimber Well	14.9	57	Unspecified	N/A	slight w birch component																																
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26	6121 - Tamarack	Poletimber Medium	15.3	73	Unspecified	N/A	heavy tag alder - very wet. S end has inclusions of higher stocked tamarack poletimber 4 - 5" dbh and saplings																																
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28	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	164.0	2	Immature	N/A	areas of sparse regeneration. r maple stump sprouts - heavily browsed. aspen saplings in pockets. very scattered r pine 18"dbh cut in 7/18																																
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29	6121 - Tamarack	Poletimber Well	3.6	83	81-110	N/A	well formed tamarack 9 - 11 sticks tall. associate b spruce along N edge and interspersed lightly throughout																																
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30	6122 - Black Spruce	Poletimber Medium	76.6	76	Unspecified	N/A	stunted b spruce, minimal growth producing 1 - 2 stick trees - non productive forest land. stand transitions to bog with scattered trees towards center of stand.																																
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31	6120 - Lowland Cedar	Poletimber Medium	178.5	98	Unspecified	N/A	areas with open tag alder mixed with b ash.. much of stand is quality cedar swamp. drainage/small creek runs N through satnd																																
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32	6122 - Black Spruce	Poletimber Well	10.4	71	Unspecified	N/A	widely scattered w pine																																
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33	710 - Sand, Soil	Nonstocked	38.6		Unspecified	No	sand pit with scattered spruce, fir																																
34	6220 - Alder/willow	Nonstocked	109.0		Unspecified	No	tag alder, marsh flats to the Net River																																
35	6224 - Treed Bog	Nonstocked	30.6		Unspecified	No	stunted b spruce 8 - 25' tall, 1 - 3" dbh. muskeg																																
36	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.1	58	81-110	N/A	scattered w spruce 16 - 18" dbh and upland cedar																																
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38	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.0	66	81-110	N/A	low quality hardwoods - larger diameter maple is heavily defective - wolf, cull trees. E end transitions to low ground. scattered upland cedar present. small inclusion of fair quality northern hardwoods in center of stand holds h maple 20 24" dbh with associated maple poletimber 5 - 7" dbh. widely scattered w spruce 12" dbh. slight w birch component 14 - 16" dbh.																																
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39	500 - Water	Nonstocked	24.3		Unspecified	No	Net River																																



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40	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	4.7	58	51-80	N/A	thinned in 2018. scattered hemlock																																						
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41	4319 - Mixed Upland Forest	Poletimber Well	15.4	34	Immature	N/A	scattered r pine component. dense fir component, interspersed areas of low stocking to no aspen.																																						
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42	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	30.8	72	81-110	N/A	scattered r maple saplings. sphagnum/Labrador tea conifer swamp																																						
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44	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	4.0	106	81-110	N/A	semi - low ground. cherry component																																						
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45	122 - Road/Parking Lot	Nonstocked	13.1		Unspecified	No	Cable Lake Road.																																						
46	42340 - Upland Spruce/Fir	Sawtimber Medium	14.3	68	51-80	N/A	very scattered aspen remaining - has mainly fallen out of stand. w spruce in poor shape - affected by SBW in the past.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
47	42320 - Upland Spruce	Poletimber Well	8.6	59	51-80	N/A	N 1/2 is upland. S end graduates to mixed conifer swamp
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		40	Pole	7	59	Balsam Fir	
Balsam Fir		10	Pole/Sapling	7		Medium	
Tamarack		20	Pole	8		5 - 10 feet	
White Spruce		20	Log/Pole	10		Sapling	
48	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.1	56	81-110	N/A	scattered large tamarack. semi upland stand - lies in Net River floodplain, floods during spring run off. understory is fairly open - dominated by lower quality b cherry. scattered tag alder thickets and cedar pockets
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		25	Pole	9		Tag Alder	
Red Maple		10	Log/Pole	10		Medium	
Northern White Cedar		10	Log	14		5 - 10 feet	
Black Cherry		40	Log/Pole	10	56	Tall Shrub	
49	4130 - Aspen	Sapling Well	9.4	11	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		70	Sapling	1	11	Balsam Fir	
Red Maple		10	Sapling	1		Medium	
						< 5 feet	
						Sapling	
						Hazelnut (Beaked)	
						Medium	
						< 5 feet	
						Tall Shrub	
57	4115 - Y.Birch, Hemlock NH	Sawtimber Well	44.8	60	111-140	N/A	low quality red maple - multiple stemmed, spiral seams. scattered y birch and fair quality h maple. pockets of mature spruce/fir. Cedar and hemlock in scattered pockets vernal ponds. timber sale set up and under contract.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		40	Log/Pole	12	60	Red Maple	
Yellow Birch		20	Log	14		Medium	
White Spruce		10	Log/Pole	11		10 - 20 feet	
Black Cherry		20	Log	12		Sapling	
						Hazelnut (Beaked)	
						Medium	
						5 - 10 feet	
						Tall Shrub	
						Balsam Fir	
						Low	
						10 - 20 feet	
						Sapling	
58	4119 - Mixed Northern Hardwoods	Poletimber Well	34.2	61	111-140	N/A	currently under a sold timber contract. dense poletimber with b cherry sawtimber. scattered vernal ponds
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		60	Pole/Log	9	61	Sugar Maple	
Red Maple		10	Pole/Log	9		Low	
Black Cherry		20	Log	12		Variable	
						Sapling	
						Black Cherry	
						Low	
						Variable	
						Sapling	