



# Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12192

Entry Year 2026

Acreage: 1,538

County Iron

Management Area: Way Dam Complex

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**Stand Examiner:** Ed Rice

**Legal Description:**

T45N R31W section 29, 30, 31

T44N R31W section 6

**Identified Planning Goals:**

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Continue 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:**

Soils consists of silt loams to fine sandy loams. The lowland areas are muck complexes.

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

The compartment is fairly contiguous in state ownership with a few private inholdings. State land is adjacent with industrial forest to the north. Active forest management has occurred and will continue within and surrounding the compartment.

**Unique Natural Features:**

No Unique Natural Features known.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

None identified

**Watershed and Fisheries Considerations:**

Margeson Creek and Lake 32 Creek. Both are historically and continue to be heavily impacted by beaver. Follow BMP guidelines for stream buffers.

**Wildlife Habitat Considerations:**

Any wintering deer are limited to the swamp conifers and immediately adjacent uplands. Likely to be the highest quality cedar complex in north Iron County is located within this compartment. The large expanses of northern hardwoods do not support deer in this area during the winter. Forest management should retain upland conifer cover to improve grouse and woodcock habitat.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and minor moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Archean Granite/Gneiss subcrops below the glacial drift. The Porter and Warner abandoned iron mines are located nine miles to the southwest. Gravel pits are not located nearby, but there should be some potential. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Good access into sections 29 and 30. No vehicle access into section 31 due to extremely wet swamps. Winter logging access may be possible into this area.

**Survey Needs:**

T45N R31W sec 29: SW1/16, S1/16

T45N R31W sec 29/32: W1/16

**Recreational Facilities and Opportunities:**

None

**Fire Protection:**

Overall fuel types are not conducive to sustaining a high intensity fire. There are several large bog areas that can support a

short duration sustained run given the alignment of fuels and weather. Equipment access is good in sections 29 and 30 to non existent in section 31. A fire in section 31 would likely require walk in with pumps and hose lays.

**Additional Compartment Information:**

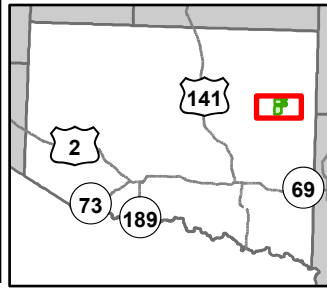
**The following reports from the Inventory are attached:**

- 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**

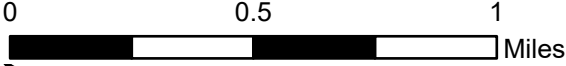
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

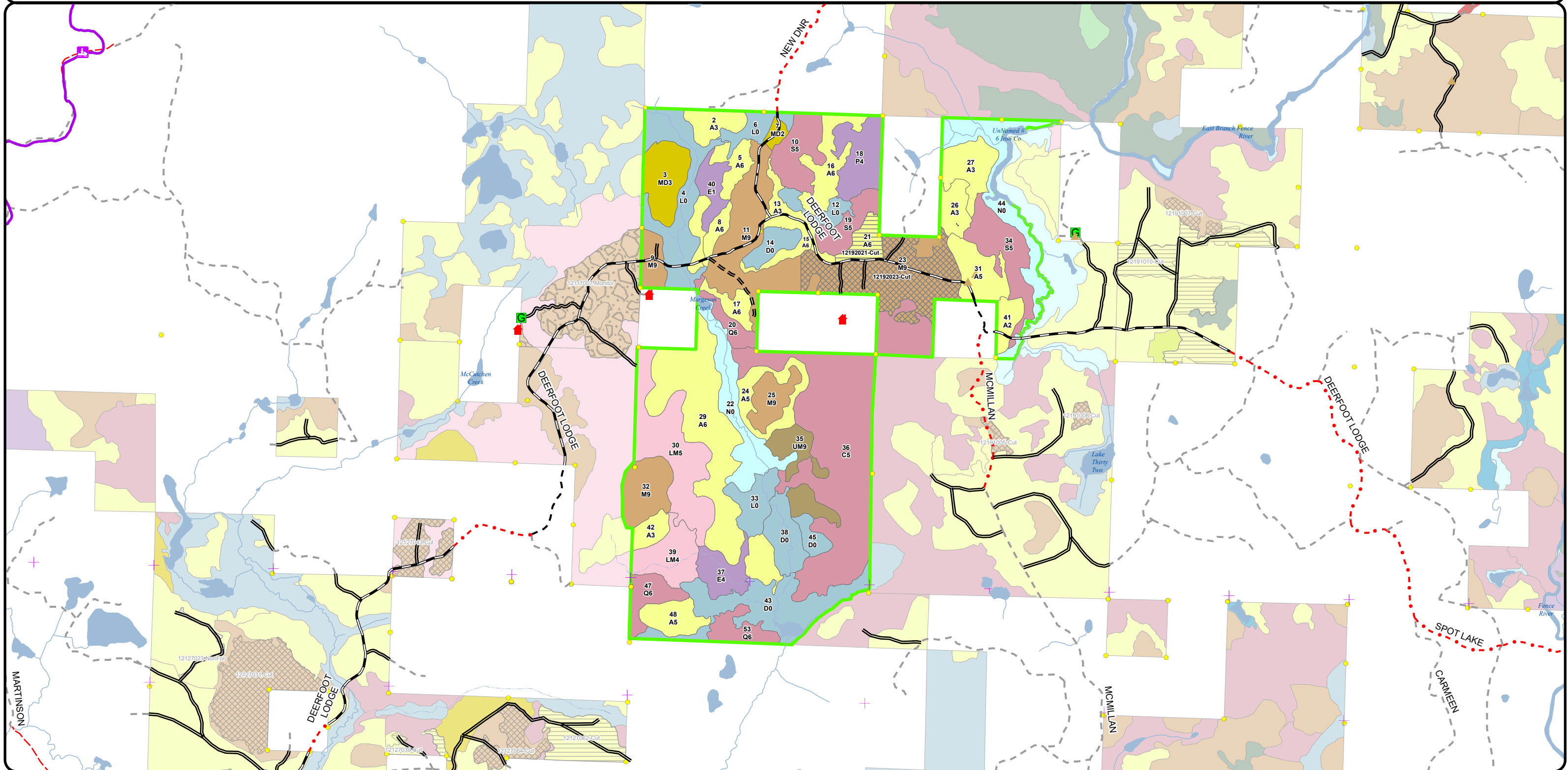
Cover Type & Treatments Map



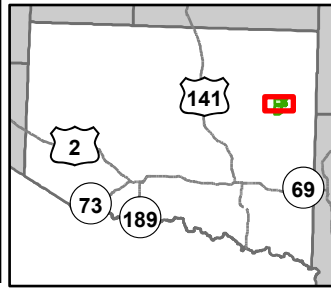
Compartment: 12192  
 T44N, R31W, Sec: 6  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Way Dam Complex  
 YOE: 2026  
 Acres: 1538.1 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 04/15/2024  
 Map Phase: Web Post



- |                              |                                      |                                |                                 |
|------------------------------|--------------------------------------|--------------------------------|---------------------------------|
| Cabin                        | DNR - Forest Access Route            | Swamp                          | 430 - Upland Mixed Forest       |
| Berms                        | Federal / State - Dirt / Gravel Road | Lakes and Rivers               | 611 - Lowland Deciduous Forest  |
| Gate                         | County - Gravel Road                 | Compartment Boundary           | 612 - Lowland Coniferous Forest |
| Survey Grade Corners         | County - Dirt Road (Seasonal)        | Counties                       | 613 - Lowland Mixed Forest      |
| Remonumented Section Corners | Private - Dirt / Gravel Road         | Selection (Group, Single Tree) | 622 - Lowland Shrub             |
| Snowmobile Trails            | Intermittent Stream                  | Clearcut (w/Reserves)          | 623 - Emergent Wetland          |
| Designated Snowmobile Trails | Island in Lake or River              | 411 - Northern Hardwood        |                                 |
| DNR - Primary Forest Road    | Lake/Pond                            | 413 - Aspen Types              |                                 |
| DNR - Secondary Forest Road  | Perennial River                      | 419 - Mixed Upland Deciduous   |                                 |



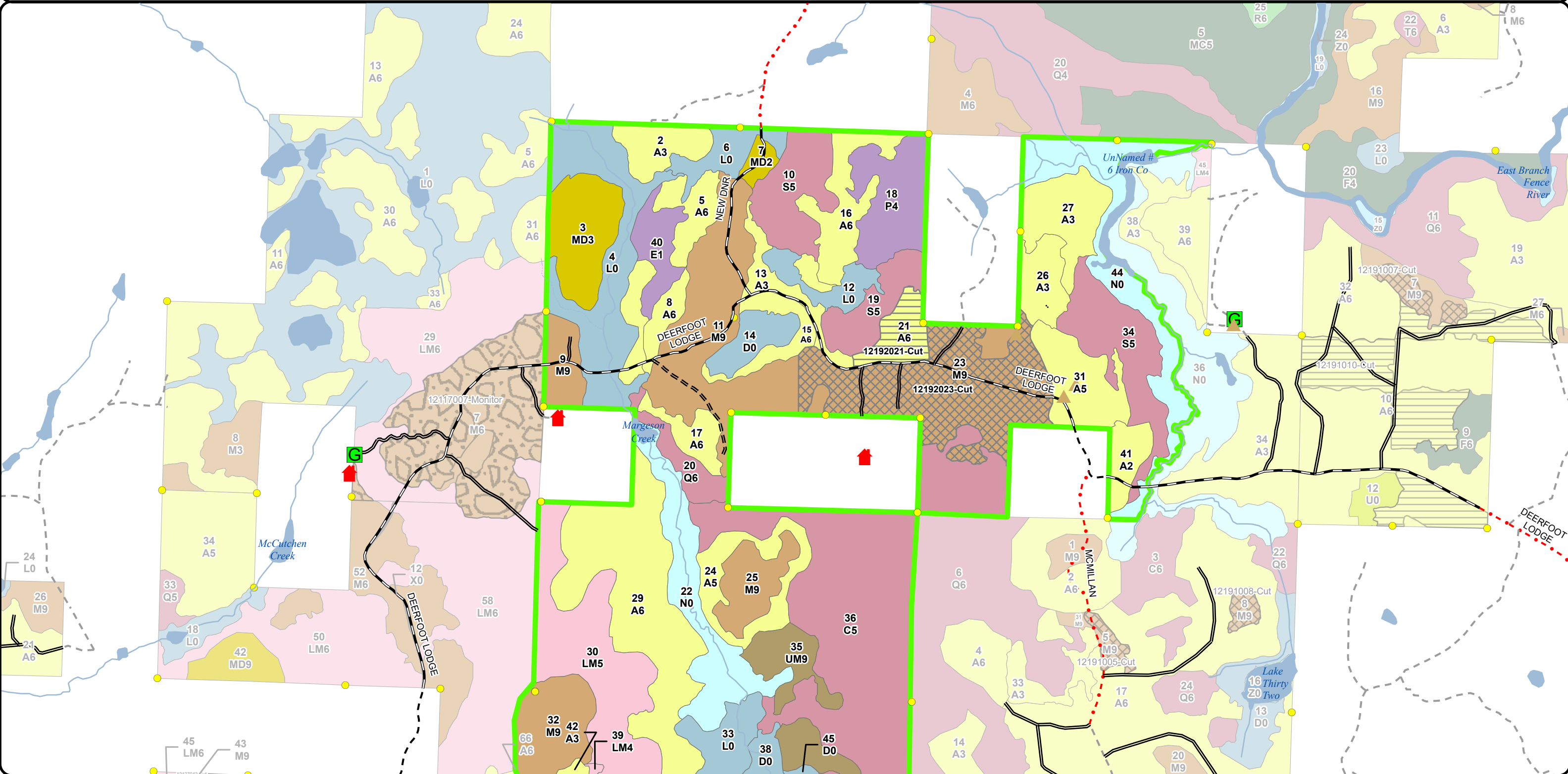
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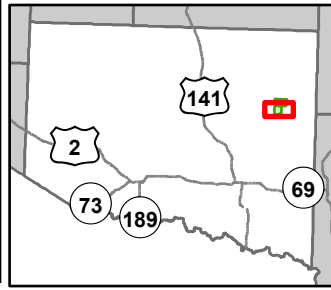
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| Berms                                | Private - Dirt / Gravel Road | Counties                       | 612 - Lowland Coniferous Forest |
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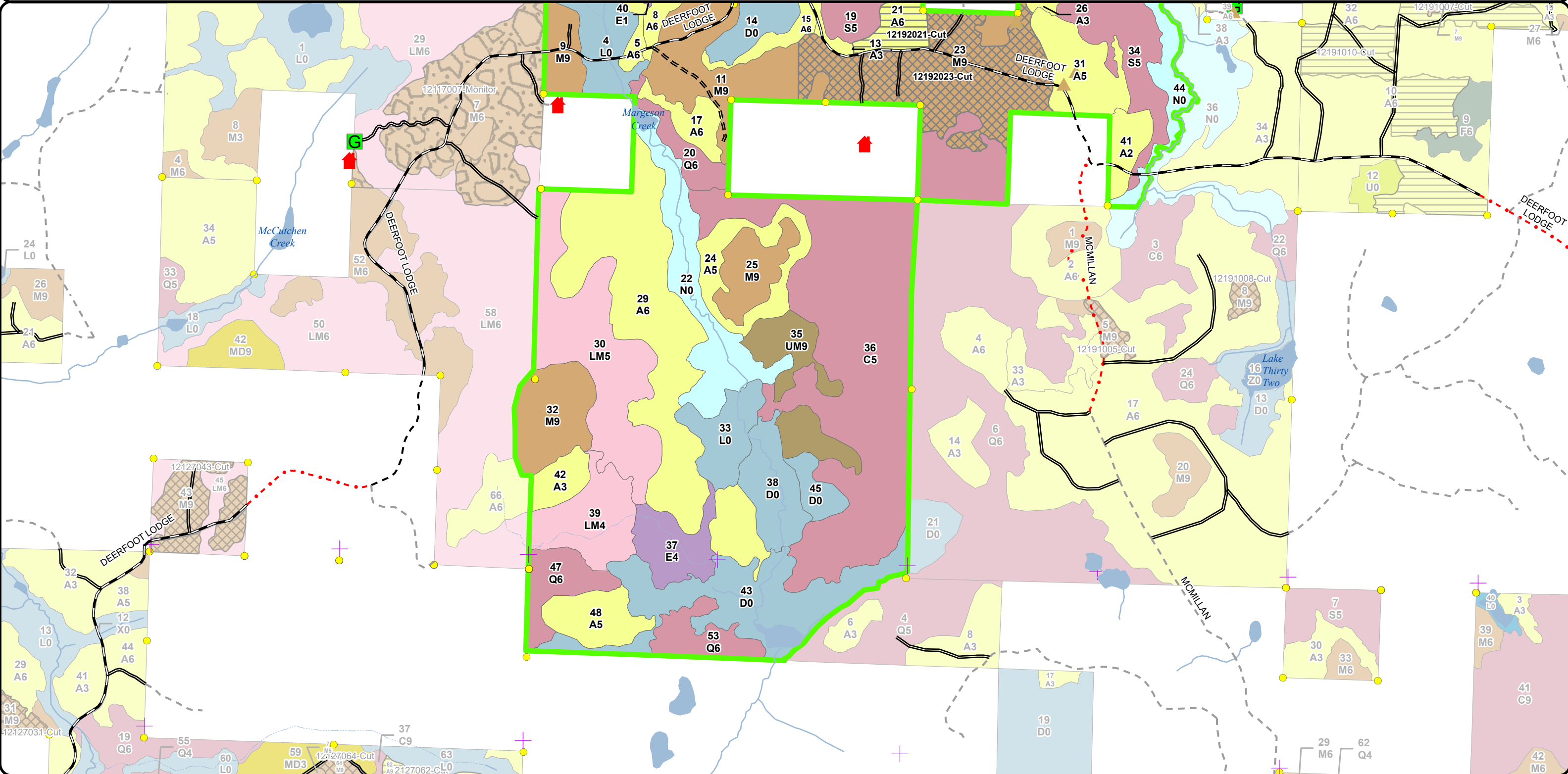
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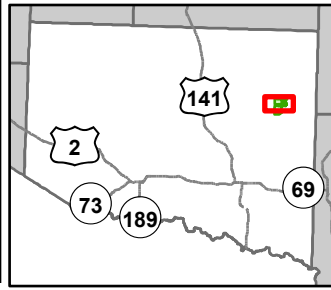
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Stand Boundary Map



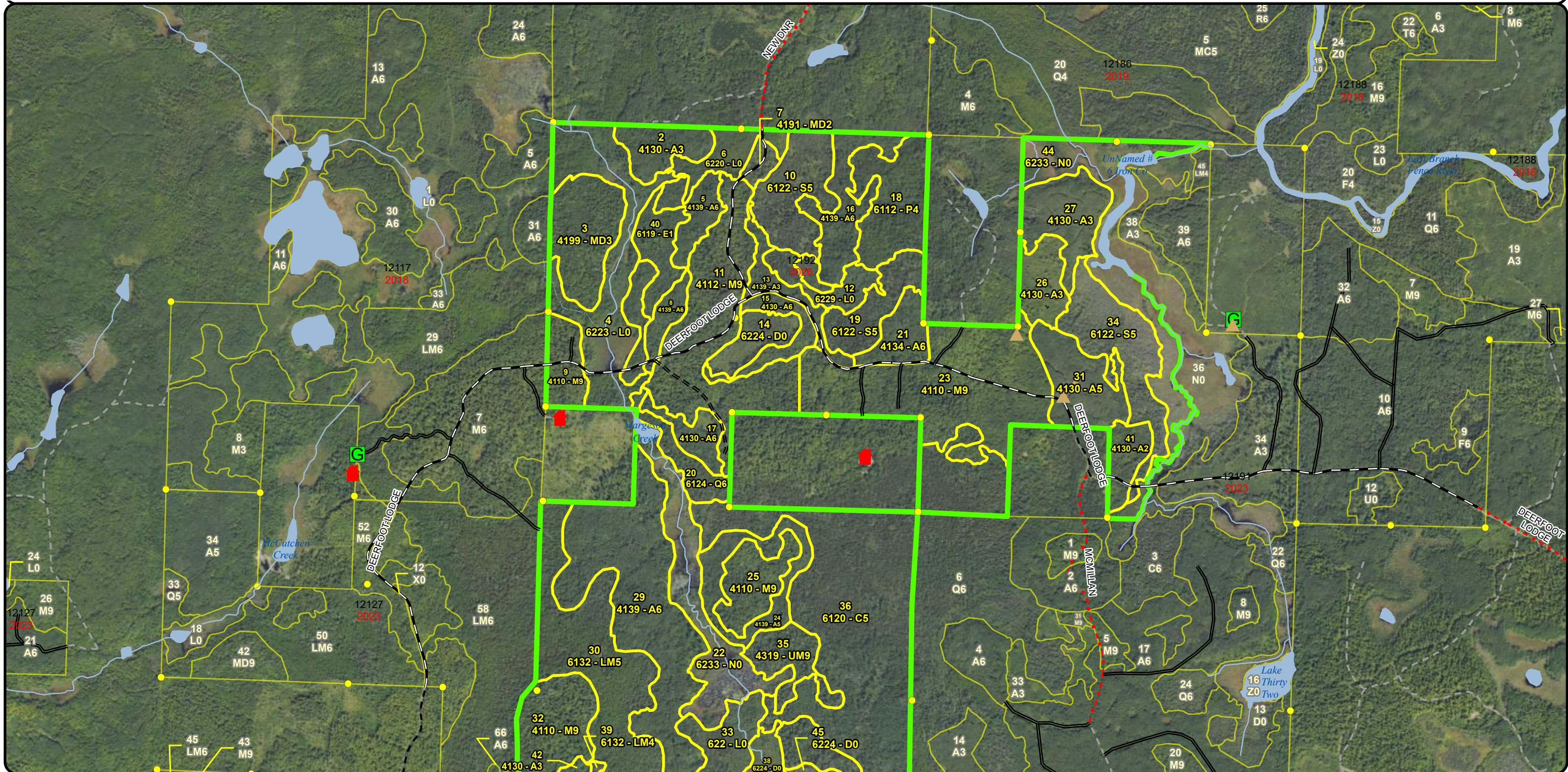
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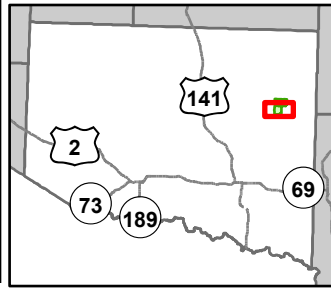
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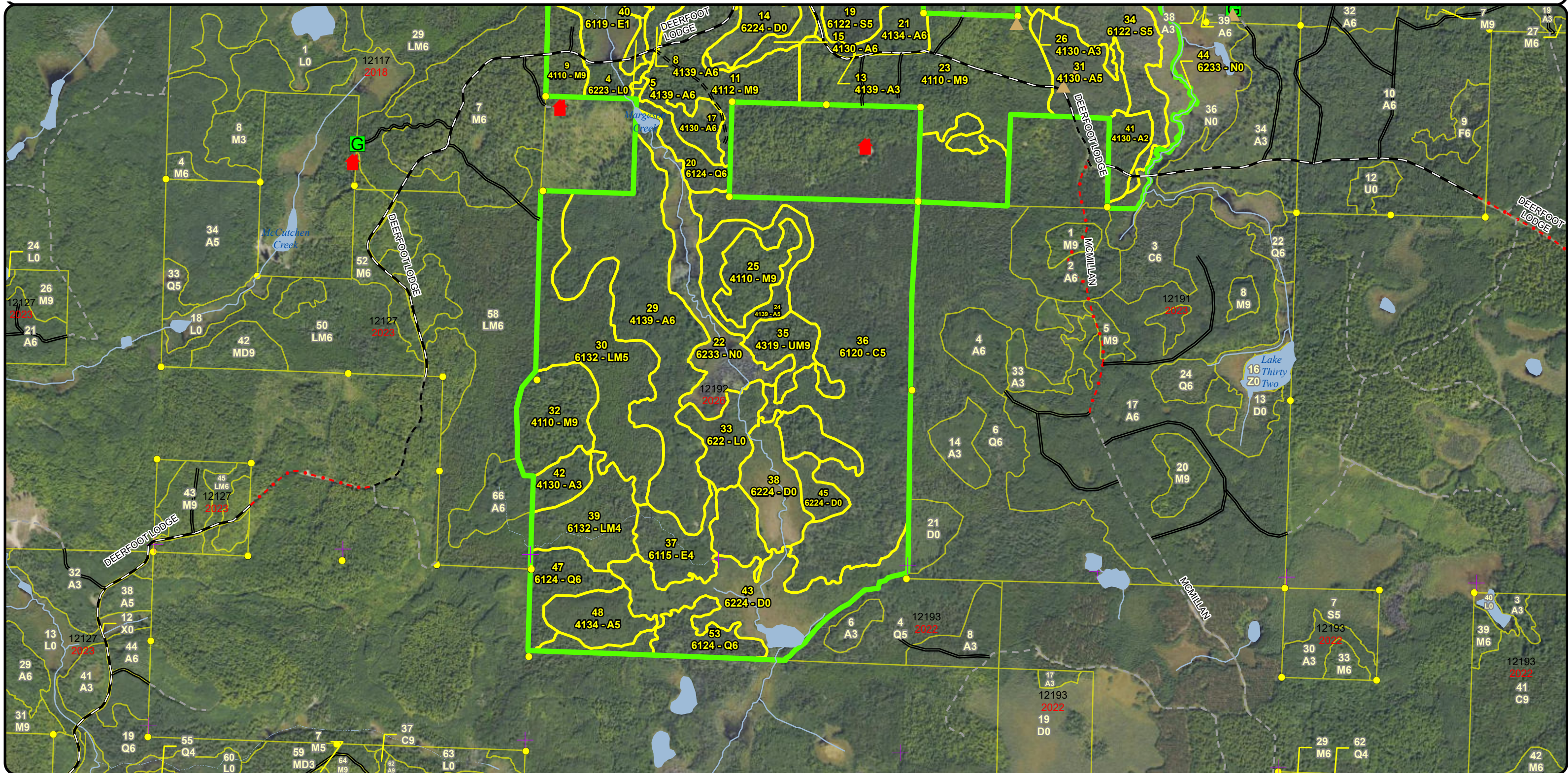
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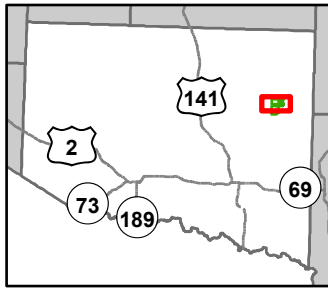
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**Special Conservation Areas & Site Conditions Map**

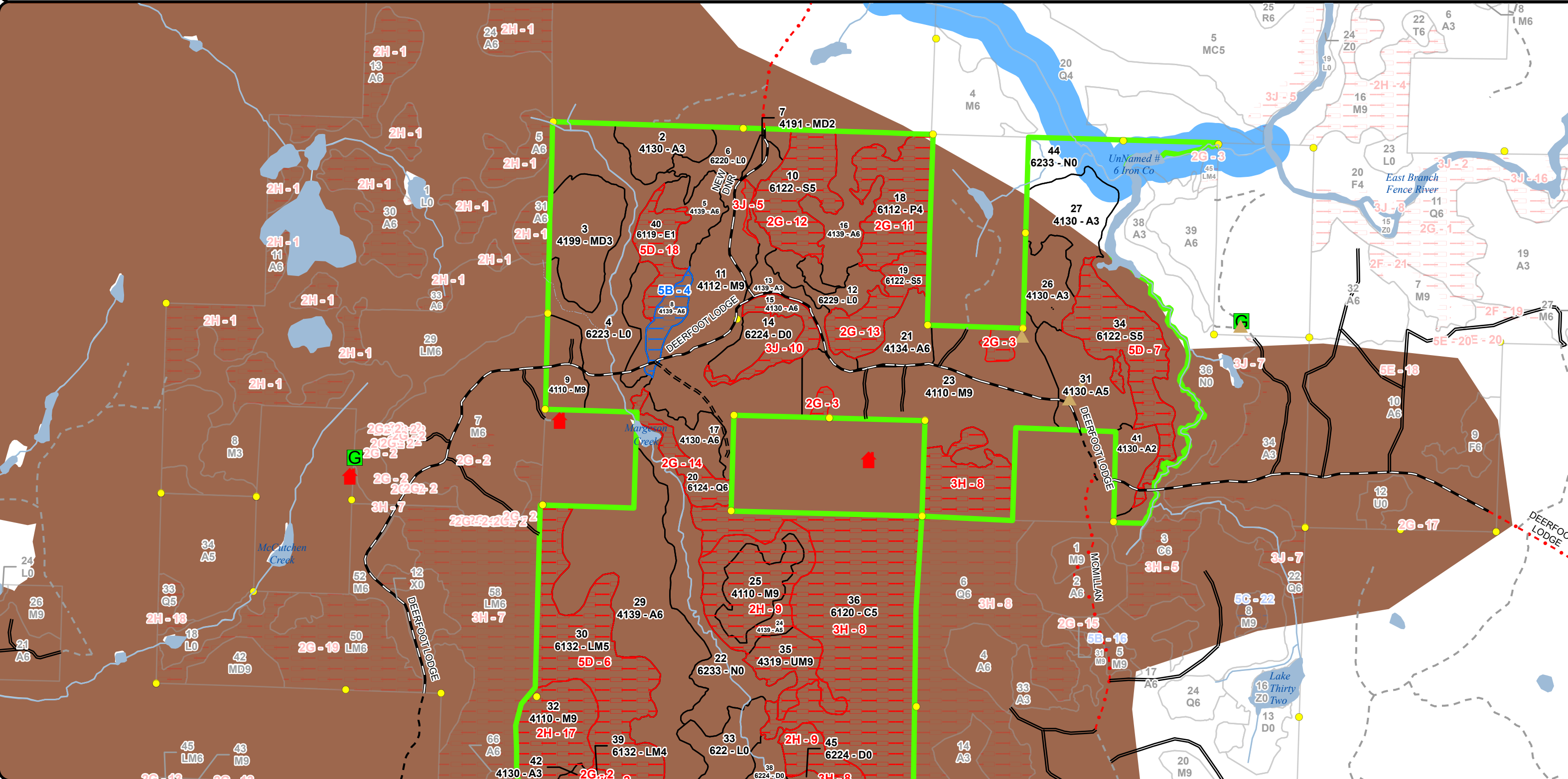
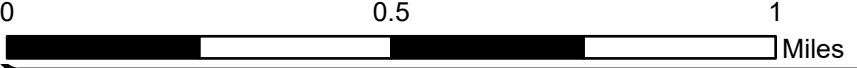


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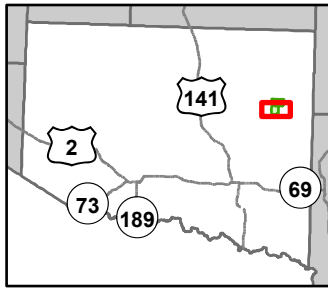
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Counties
- Available w/ Constraints

- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range





**Special Conservation Areas & Site Conditions Map**



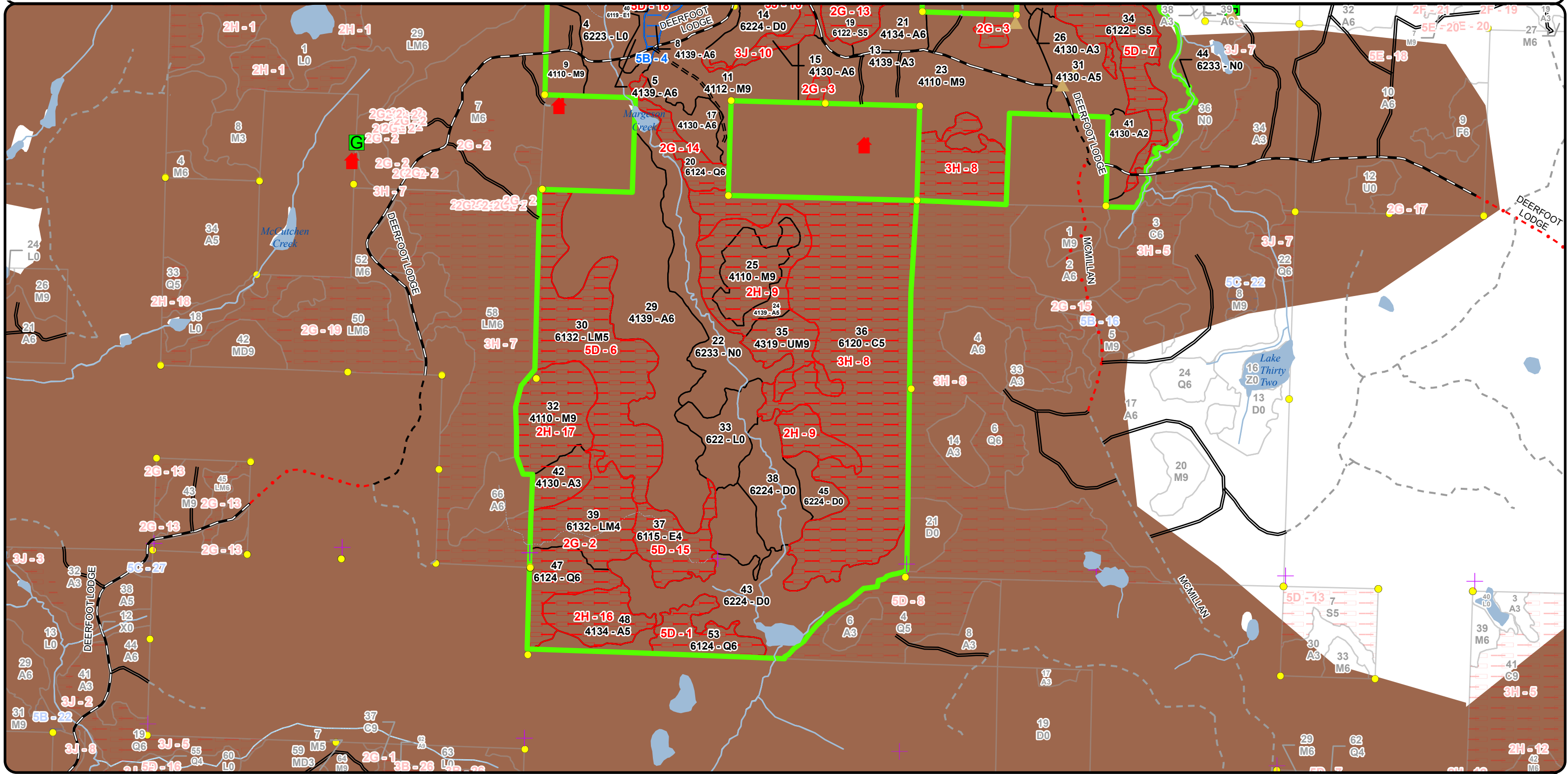
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Report 1 – Total Acres by Cover Type and Age Class



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	16	12	155	130	73	0	0	0	0	0	0	0	0	0	0	0	0	386
Cedar	0	0	0	0	0	0	0	0	0	0	0	205	0	0	0	0	0	0	205
Lowland Aspen/Balsam Poplar	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	0	13	0	37	0	0	0	0	0	0	0	0	0	0	49
Lowland Deciduous	0	0	0	16	0	22	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0	0	0	105
Lowland Shrub	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	93	0	0	0	0	0	0	0	0	0	93
Marsh	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Mixed Upland Deciduous	0	5	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	236	236
Treed Bog	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118
Upland Mixed Forest	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
<b>Total</b>	<b>325</b>	<b>21</b>	<b>12</b>	<b>204</b>	<b>130</b>	<b>142</b>	<b>0</b>	<b>37</b>	<b>123</b>	<b>0</b>	<b>0</b>	<b>205</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>236</b>	<b>1539</b>



## Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2026

Acres of Harvest

Compartment 192  
Total Compartment Acres: 1,538

Commercial Harvest - 102  
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	15	0	0	0	0	0	0	0	0	15
Northern Hardwood	0	87	0	0	0	0	0	0	0	87
<b>Total</b>	<b>15</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	102	0	0	0	0	0	0	0	0	102
Next Step	0	0	0	0	0	0	102	0	0	102
<b>Total</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>204</b>



S t a n d	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:**

<b>21</b>	<b>12192021-Cut</b>	14.8	4134 - Aspen, Spruce/Fir	Poletimber Well	45	Unspecified	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> cut aspen 4.6" dbh and larger. cut spruce/fir with a 10" stump diameter and larger. thin r maple to 40 BA - concentrate removal on quality sawtimber. keep all available size classes represented. do not cut any other tree species. protect advanced maple regeneration. buffer vernal/low areas at least 100 feet.</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> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> 2026: N end heavier to fir saplings 2-3" dbh. very scattered 28" dbh w pine. fir 7-10" dbh in SW of the stand. vernal areas throughout 2016: high amount of old windthrow. aspen 6 - 10" dbh. good stocking of fir understory and r maple saplings. fir showing some age - seams prevalent. small water pond/vernal areas along middle to E edge</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>23</b>	<b>12192023-Cut</b>	87.4	4110 - Sugar Maple Association	Sawtimber Well	83	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> 2026: Thin to 70 BA. keep all sizes and species represented. leave at least two large crowned h maple per acre for viable seed trees. Do not thin into hemlock to prevent residual damage. Protect advanced maple regeneration. Do not cut y birch, b ash, oak, hemlock, oak, or pine. Buffer vernal areas minimally 100 feet.</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> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> 2026: H maple 4-18" dbh. y birch 4-20" dbh. scattered submerchantable spruce. scattered vernal areas throughout the stand. small inclusion of aspen, maple, y birch, w birch in S center of the stand. scattered upland cedar. areas with highly stocked ironwood saplings. stand 100BA 2016; good amounts of h maple saplings 5 - 20' tall. widely scattered upland cedar. fir saplings/poletimber at edges or in more marginal site within the stand. thick hazel in areas. H maple sawtimber fair quality 2 - 3 logs to first limbs. r maple heavily seamed. elderberry throughout - though dying out. heavy iron wood saplings in S end. NE end has small A6 6 - 7" dbh M4 inclusion. rolling hills</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

**Total Treatment Acreage Proposed: 102.2**

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit  
Ed Rice : Examiner

Compartment: 192  
Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5B	2G	2H	3H	3J	5D
386	311	9	66	Aspen	9		54		12	
205	0	0	205	Cedar				205		
34	0	0	34	Lowland Aspen/Balsam Poplar		34				
49	0	0	49	Lowland Conifers		32				17
37	0	0	37	Lowland Deciduous						37
105	0	0	105	Lowland Mixed Forest		32				73
109	109	0	0	Lowland Shrub						
93	0	0	93	Lowland Spruce/Fir		53				40
98	98	0	0	Marsh						
38	38	0	0	Mixed Upland Deciduous						
236	176	0	60	Northern Hardwood		6	52		1	
118	118	0	0	Treed Bog						
30	0	0	30	Upland Mixed Forest			30			
1,538	850	9	679	Total Forested Acres	9	157	136	205	13	167
	55%	1%	44%	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	5D: Unproductive Forest Land	17	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> very wet, extremely poor to no access							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	51	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 192

Year of Entry: 2026

3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> very highly stocked maple saplings. stand successfully is converting to hardwoods. retain to act as a natural shelterwood							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> transitional area							
6	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	73	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> extremely wet, muck soils, not viable for forest product production							
7	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> bog type stand, stunted spruce							
8	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	205	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 192

Year of Entry: 2026

9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	74	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> old road that once accessed this area is extreme wet, muck.							
10	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	12	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> narrow buffer type stand to adjacent lowland							
11	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> springs throughout the stand flowing SW							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 192

Year of Entry: 2026

15	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	22	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> old road from past cut has grown in, now nonexistant. previous road course was left as muck hole, with large boulders. future access is doubtful							
17	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> old abandoned road into these stands was left as muck hole with extreme water, and large boulders. extremely difficult access.							
18	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**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.
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	Managed Site	General Comments																																																					
2	4130 - Aspen	Sapling Well	16.8	25	Unspecified	N/A	2026: scattered aspen just moving into poletimber size class. A3A5. small inclusions of maple.																																																					
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3	4199 - Other Mixed Upland Deciduous	Sapling Well	32.9	25	51-80	N/A	very successful h maple, r maple, w birch, y birch and minor aspen sapling regen 6 - 10' tall. scattered windthrow throughout. small pockets of maple poletimber left from previous cut. in mid to SE of stand, land rises higher and has better quality h maple - these areas have higher residual with h maple prevalent. S1/2 is a higher site with scattered, shallow rock outcrop/boulders. isolated pockets of tag alder and cedar, notably along NW edge. Stand appears to have been group selected, leaving a minor residual in lower quality areas and higher residual in better quality timber.																																																					
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4	6223 - Inundated Shrub Swamp	Nonstocked	60.0		Unspecified	No	Margeson Creek flowage - marsh grass/tag alder/pockets of poor b ash 3 - 4" dbh. historically old beaver flowages. multiple drainages																																																					
5	4139 - Aspen, Mixed Deciduous	Poletimber Well	23.9	25	Unspecified	N/A	very widely scattered fir saplings/small poletimber. r maple saplings from stump sprouts. overall stand has just moved into poletimber size class, A5A3. high stocking of h maple saplings																																																					
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6	6220 - Alder/willow	Nonstocked	14.4		Unspecified	No	tag alder with b ash saplings and scattered cedar - alive and dead, very wet - standing water																																																					
7	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5.1	5	1-50	N/A	2026: r maple stump sprouting, aspen saplings, pockets of highly stocked fir saplings																																																					
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8	4139 - Aspen, Mixed Deciduous	Poletimber Well	8.6	45	Unspecified	N/A	aspen 6 - 11" dbh. w birch saplings. scattered 12" dbh aspen. N 1/2 of stand very highly stocked maple saplings 20-30' tall - successful advanced regeneration. aspen is acting as a natural shelterwood. small conifer inclusions in N end																																																								
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9	4110 - Sugar Maple Association	Sawtimber Well	14.5	73	51-80	N/A	fair to good h maple. raspberry/elderberry from recent thinning. fair to good h maple seedling establishment. stand 80 BA																																																								
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10	6122 - Black Spruce	Poletimber Medium	31.4	70	Unspecified	N/A	sphagnum/lab tea. widely scattered higher ground inclusions that have been windthrown in past - currently A3M3. very scattered cedar 12 - 14" dbh. along edges of stand are scattered pockets of better quality tamarack 10 - 12" dbh. extremely wet.																																																								
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11	4112 - Maple, Beech, Cherry Association	Sawtimber Well	75.6	83	81-110	N/A	good amounts of h maple saplings 5 - 20' tall. widely scattered upland cedar. fir saplings/poletimber at edges or in more marginal site within the stand. thick hazel in areas. NW edge has windthrow. H maple sawtimber fair quality 2 - 3 logs to first limbs. r maple heavily seamed. elderberry throughout - though dying out. heavy iron wood saplings in S end. rolling hills. thinned 2020																																																								
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12	6229 - Mixed lowland shrub	Nonstocked	12.9		Unspecified	No	extremely wet - standing water. pockets of higher stocked b ash/balm in NW "finger". overall stand is alder swamp with sparse b ash throughout and small inclusions of higher stocking.																																																								
13	4139 - Aspen, Mixed Deciduous	Sapling Well	15.5	25	Unspecified	N/A	good species mix. small amount of tamarack saplings adjacent to lowlands																																																								
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14	6224 - Treed Bog	Nonstocked	13.9		Unspecified	No	leatherleaf bog/ponded water 2' deep. open bog area ringed by b spruce and tamarack 4 - 10" dbh. lab tea.																																													
15	4130 - Aspen	Poletimber Well	12.2	49	Unspecified	N/A	aspen 6 - 9" dbh. good r maple/h maple sapling regen. scattered larger diameter poor quality r maple left from previous cut. slight tamarack component 8-9"dbh																																													
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16	4139 - Aspen, Mixed Deciduous	Poletimber Well	26.3	47	Unspecified	N/A	very highly stocked h maple saplings 20-30'. scattered w birch 4-6" dbh. pockets of very highly stocked fir saplings 2-3" dbh. aspen 6 - 8" dbh. scattered inclusions of low areas with water																																													
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17	4130 - Aspen	Poletimber Well	11.1	40	Unspecified	N/A	aspen 8 - 11" dbh. good h maple sapling understory with fir widely scattered. associated h maple/r maple 12-14" dbh. small vernal /seasonal pond inclusion in NE corner - ringed by fir and maple. very scattered hemlock/y birch especially in the SE																																													
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18	6112 - Lowland Aspen	Poletimber Poor	34.3	45	Unspecified	N/A	extremely wet - standing water in many areas. lowland aspen/balm mix with b ash. pockets of higher stocked b ash/balm in NW "finger". overall stand is alder swamp with b ash throughout and small inclusions of higher stocking.																																													
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19	6122 - Black Spruce	Poletimber Medium	21.2	70	Unspecified	N/A	b spruce 4 - 7" dbh and cedar 12 - 16" dbh. more cedar in S end and along edges. sphagnum - true b spruce swamp. small areas of windthrow with r maple regen. areas/runs of dense alder																																													
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20	6124 - Lowland Spruce-Fir	Poletimber Well	12.5	42	Unspecified	N/A	springs throughout the stand flowing SW. very scattered b ash. y birch component *winter deer use																																																				
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21	4134 - Aspen, Spruce/Fir	Poletimber Well	14.8	45	Unspecified	N/A	2026: N end heavier to fir saplings 2-3" dbh. very scattered 28" dbh w pine. fir 7-10" dbh in SW of the stand. vernal areas throughout																																																				
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22	6233 - Wet Meadow	Nonstocked	45.2		Unspecified	No	Margeson Creek flowage, open flooded marsh grass. scattered alder, cedar, spruce, fir at edges. dead snags, beaver flowages																																																				
23	4110 - Sugar Maple Association	Sawtimber Well	93.8	83	81-110	N/A	2026: H maple 4-18" dbh. y birch 4-20" dbh. scattered submerchantable spruce. scattered vernal areas throughout the stand. small inclusion of aspen, maple, y birch, w birch in S center of the stand. scattered upland cedar. areas with highly stocked ironwood saplings. stand 100BA2016; good amounts of h maple saplings 5 - 20' tall. widely scattered upland cedar. fir saplings/poletimber at edges or in more marginal site within the stand. thick hazel in areas. H maple sawtimber fair quality 2 - 3 logs to first limbs. r maple heavily seamed. elderberry throughout - though dying out. heavy iron wood saplings in S end. NE end has small A6 6 - 7" dbh M4 inclusion. rolling hills																																																				
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25	4110 - Sugar Maple Association	Sawtimber Well	21.0	81	81-110	N/A	very good h maple regen - fair amount of deer browse. sawtimber fair to poor quality, defects prevalent. scattered large w pine 24 - 28" dbh. stand 90 BA																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	4130 - Aspen	Sapling Well	16.0	5	Immature	N/A	2026: stand is majority aspen with good associated maple regeneration. scattered h maple poletimber left as residual for see/diversity.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		5	Sapling	2		Balsam Fir	
Sugar Maple		5	Pole/Sapling	7		Hazelnut (Beaked)	
White Pine		5	XLog	18		Red Maple	
White Spruce		5	Sapling	2		Density	
Quaking Aspen		65	Sapling	1	5	Avg. Height	
Paper Birch		5	Sapling	1		Size	
Red Maple		10	Sapling	1		2016: variable aspen stand - part of stand was cut through in past. aspen 10 - 12" dbh with smaller poletimber 4 - 7" dbh. w spruce 12 - 16" - some mortality. fir is 8" dbh and larger - mainly dead (SBW?).	
27	4130 - Aspen	Sapling Well	27.2	28	Unspecified	N/A	scattered aspen just moving into poletimber size class. A3A5
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		5	Sapling	2		Tag Alder	
Black Cherry		5	Sapling	2		Hazelnut (Beaked)	
White Spruce		5	Pole/Sapling	7		White Spruce	
Red Maple		10	Sapling	3		Density	
Quaking Aspen		75	Sapling/Pole	4	28	Avg. Height	
						Size	
29	4139 - Aspen, Mixed Deciduous	Poletimber Well	119.1	31	Unspecified	N/A	2026: aspen 8-11" dbh. highly stocked r maple saplings 1-2". small inclusions of b ash saplings/small poletimber throughout. widely scattered large diameter w pine. inclusions of tag alder with low ground.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		5	Sapling/Pole	4		Red Maple	
Paper Birch		10	Pole/Sapling	5		Wild Red Raspberry	
Quaking Aspen		55	Pole/Sapling	6	31	Paper Birch	
Black Cherry		5	Sapling/Pole	4		Hazelnut (Beaked)	
White Spruce		5	Pole/Sapling	5		Density	
Black Ash		5	Sapling/Pole	4		Avg. Height	
Red Maple		10	Sapling/Pole	3		Size	
Balsam Fir		5	Pole/Sapling	5		2016: aspen 1 - 4" dbh with very scattered 5 - 6" trees. small tag alder inclusion in S end. SE end has scattered large rock/bedrock knobs	
30	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	72.6	134	Unspecified	N/A	extremely wet - standing water, very deep muck soils. areas with moderately stocked cedar graduating to more b ash sapling/small poletimber with fir. areas with thick tag alder.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		10	Pole	7		Black Ash	
Balsam Fir		15	Sapling/Pole	4		Tag Alder	
Northern White Cedar		40	Log	12	134	Density	
Black Ash		35	Sapling/Pole	4		Avg. Height	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
31	4130 - Aspen	Poletimber Medium	28.5	25	Unspecified	N/A	2026: A5A3, aspen just moving into poletimber size class																																													
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32	4110 - Sugar Maple Association	Sawtimber Well	31.1	100	81-110	N/A	h maple 9 - 20" dbh, good to fair tree form. very widely scattered large w pine along SE end. fantastic h maple regen, very highly stocked.																																													
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33	622 - Lowland Shrub	Nonstocked	21.7		Unspecified	No	heavy tag alder with scattered open grown cedar. very wet - creek. small groves of cedar throughout with widely scattered b ash 3 - 4" dbh																																													
34	6122 - Black Spruce	Poletimber Medium	40.0	70	Unspecified	N/A	interior of stand has well stocked b spruce poletimber. E and S ends sparsely timbered with more tag alder. W edge also graduates to less stocking and more alder. much of stand is heavily windthrown from 2005 - very heavy alder growth with b spruce 4 - 8" dbh.																																													
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35	4319 - Mixed Upland Forest	Sawtimber Well	30.1	76	51-80	N/A	aspen 12 - 16" dbh, steadily distributed throughout. fir 6 - 10" dbh - windthrow occurring. scattered w spruce sawtimber 12 - 16" dbh. very scattered r pine. cedar occurring at edges along lowlands.																																													
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36	6120 - Lowland Cedar	Poletimber Medium	204.8	100	Unspecified	N/A	heavy tag alder. S end is wetter and has sparser trees with higher percent of cedar 8 - 10" dbh. mid to N end has small isolated pockets of better tamarack 8 - 12" dbh, mixed with cedar. inclusions of b spruce throughout																																													
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37	6115 - Lowland Ash	Poletimber Poor	21.8	42	Unspecified	N/A	b ash saplings/small poletimber with small inclusions of b spruce/tamarack/fir. extremely wet - standing water. center of stand moves to mix of semi open - tag alder/willow and sparse trees with clumps of cedar/b spruce/tamarack. S corner has small inclusion of aspen saplings/small poletimber - now inaccessible																																										
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38	6224 - Treed Bog	Nonstocked	25.2		Unspecified	No	sparse trees - b spruce small diameter poletimber. extremely heavy tag alder, very wet																																										
39	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	32.2	134	Unspecified	N/A	extremely wet - standing water, very deep muck soils. areas with moderately stocked cedar graduating to more b ash sapling/small poletimber with fir. areas with thick tag alder.																																										
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40	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	15.6	25	Unspecified	N/A	small pockets of dense fir/spruce saplings/small poletimber. low ground - areas with swamp grass swales.																																										
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41	4130 - Aspen	Sapling Medium	12.1	17	Unspecified	N/A	areas of open with blackberry dominate. small patches of spruce/fir. areas with well stocked aspen. scattered aspen is just moving into poletimber size class A3A4																																										
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42	4130 - Aspen	Sapling Well	10.9	31	Unspecified	N/A	aspen 2-5" dbh. scattered aspen just moving into poletimber. small b spruce inclusion in middle of stand. wet with standing water though site is semi - high ground. small pockets of fir. W edge, heavy to tag alder																																										
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43	6224 - Treed Bog	Nonstocked	70.2		Unspecified	No	sparse trees - b spruce small diameter poletimber. extremely heavy tag alder, very wet																																									
44	6233 - Wet Meadow	Nonstocked	52.3		Unspecified	No	open bog/marsh. leatherleaf and dead snags, creek/floodings throughout. N 3/4 burned in Rock Dam Fire 2009																																									
45	6224 - Treed Bog	Nonstocked	9.1		Unspecified	No	muskeg- swamp grass/hummocks with stunted b spruce and tamarack 1 - 4" dbh. very wet, leatherleaf																																									
47	6124 - Lowland Spruce-Fir	Poletimber Well	19.3	61	Unspecified	N/A	areas with pockets of tag alder																																									
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48	4134 - Aspen, Spruce/Fir	Poletimber Medium	20.2	28	Unspecified	N/A	very poor access... very wet and boulders. stand cut prior but road into this area now is non existent A5A3. aspen just moving into poletimber size class																																									
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