



# Compartment Review Presentation

## Crystal Falls Forest Management Unit

Compartment 12191

Entry Year 2023

Acreage: 1,394

County Iron

Management Area: Michigamme Reservoir

---

**Revision Date:** 2021-07-21

**Stand Examiner:**

**Legal Description:**

T45N R31W sec 27-29, 32, 34

**Identified Planning Goals:**

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Continue to sustainably balance the aspen age class acres. Move the northern hardwood stands towards regulation. Protect the riparian areas and transition zones during management activity.

**Soil and topography:**

This compartment consists of silt loams, fine sandy loams, with black muck depressions and swamp. The topography varies, generally consisting of rolling hills with fairly flat areas and steep slopes areas.

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

The compartment is fairly contiguous but in separated blocks. Industrial forest landowners and private hunt camps are in and around 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 Fence River and tributaries are within this compartment. The Fence River is a designated Type 1 trout stream. However, recent surveys revealed unsuitable trout habitat (warmer temps) in the lower portions of the watershed. Consequently, a 100 ft. buffer is recommended for this portion of the Fence River.

**Wildlife Habitat Considerations:**

This compartment includes core portions of the Deerfoot Lodge Deeryard. Lowland and upland conifer types are critical to the integrity of this complex and should be protected and enhanced. Riparian zones along the rivers and wetlands, in this compartment, provide mature forest characteristics for those wildlife species that have this life requisite and support a wide variety of wildlife species. Over 96% of the aspen in this compartment is around 40 years old. This area is most popular for the hunting opportunities that it offers for deer, bear, grouse and woodcock.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme and Hemlock Formations, Randville Dolomite and Archean granite/gneiss subcrop below the glacial drift. The Porter and Warner abandoned iron mines are located nine miles to the west. The nearest gravel pit is located four miles to the north. Gravel potential may be limited in the compartment. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Good to poor. The Deerfoot Lodge Road is the main improved road into the compartment. Multiple offshoot, woods roads are present, most are in poor condition.

**Survey Needs:**

NE1/16, E 1/16, Center 1/4 sec 28 W1/16 sec 28,33,

**Recreational Facilities and Opportunities:**

None

**Fire Protection:**

There is low fire potential in this compartment due to the fuel types. Access is fair to good. Multiple water sources are present.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

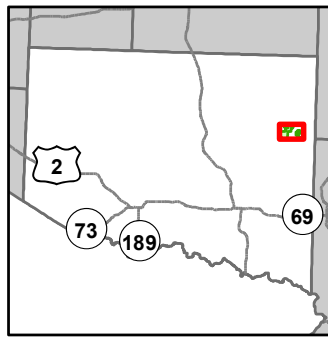
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

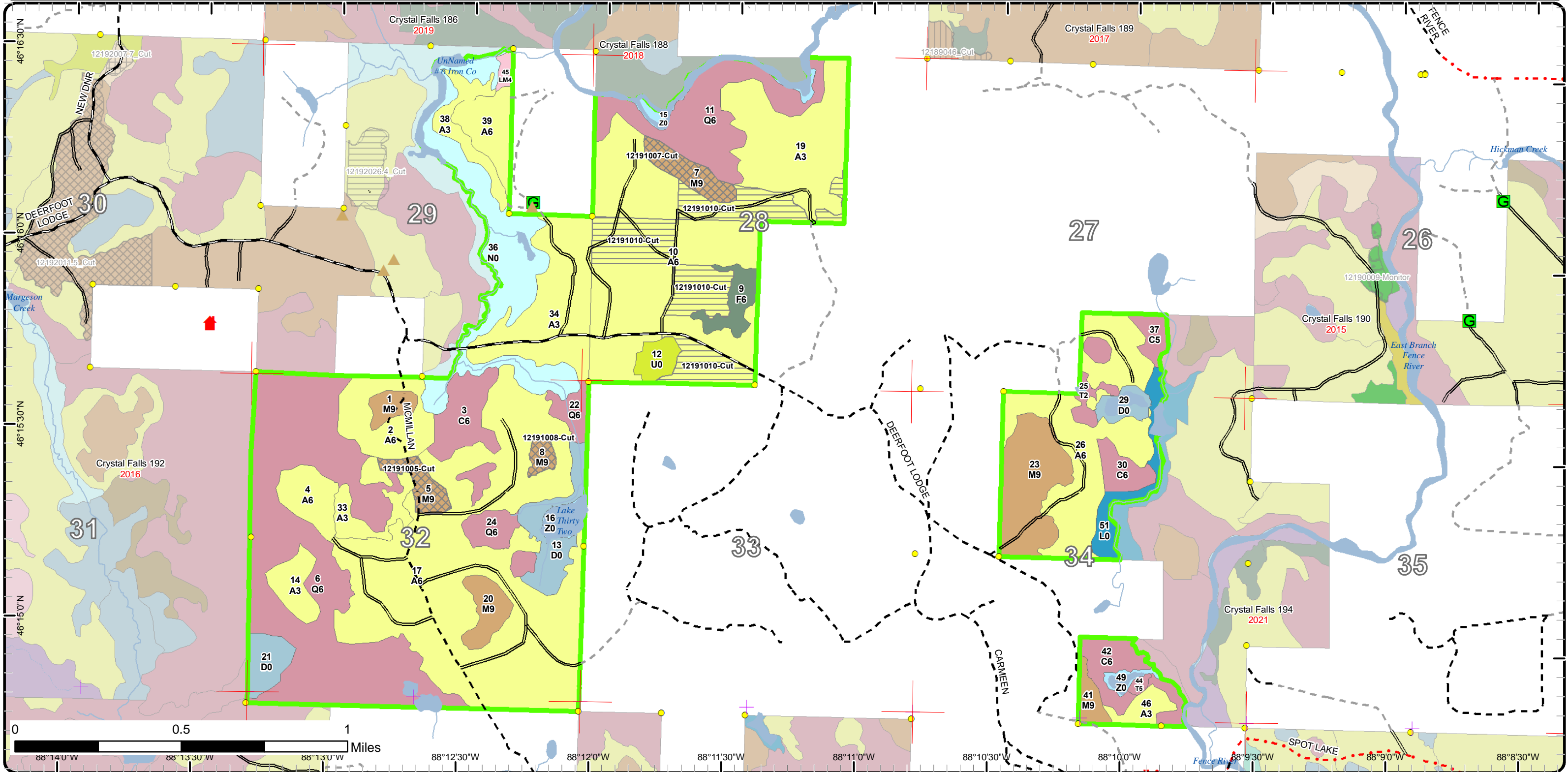
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34,  
 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme  
 Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review

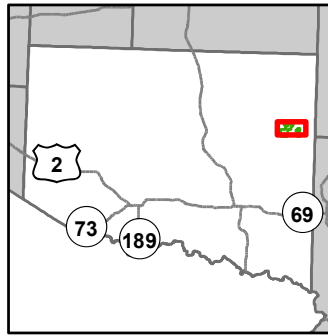


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

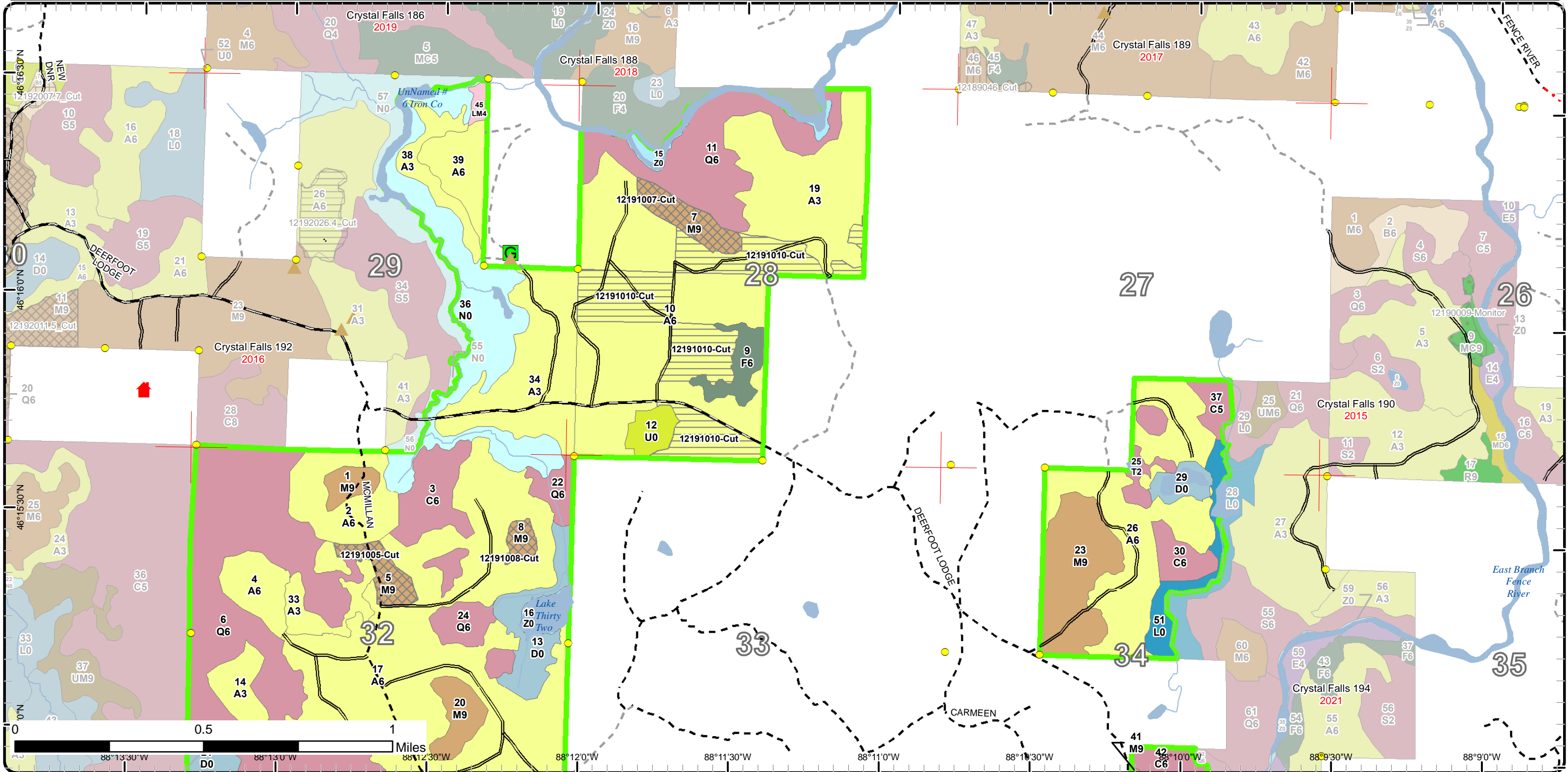


# Cover Type & Treatments Map

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34,  
 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme  
 Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



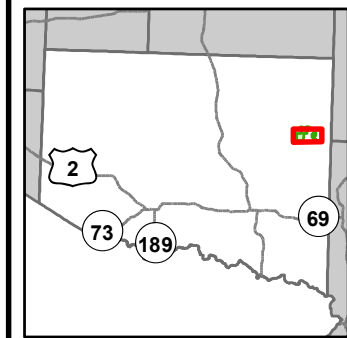
- Miris Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- G Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



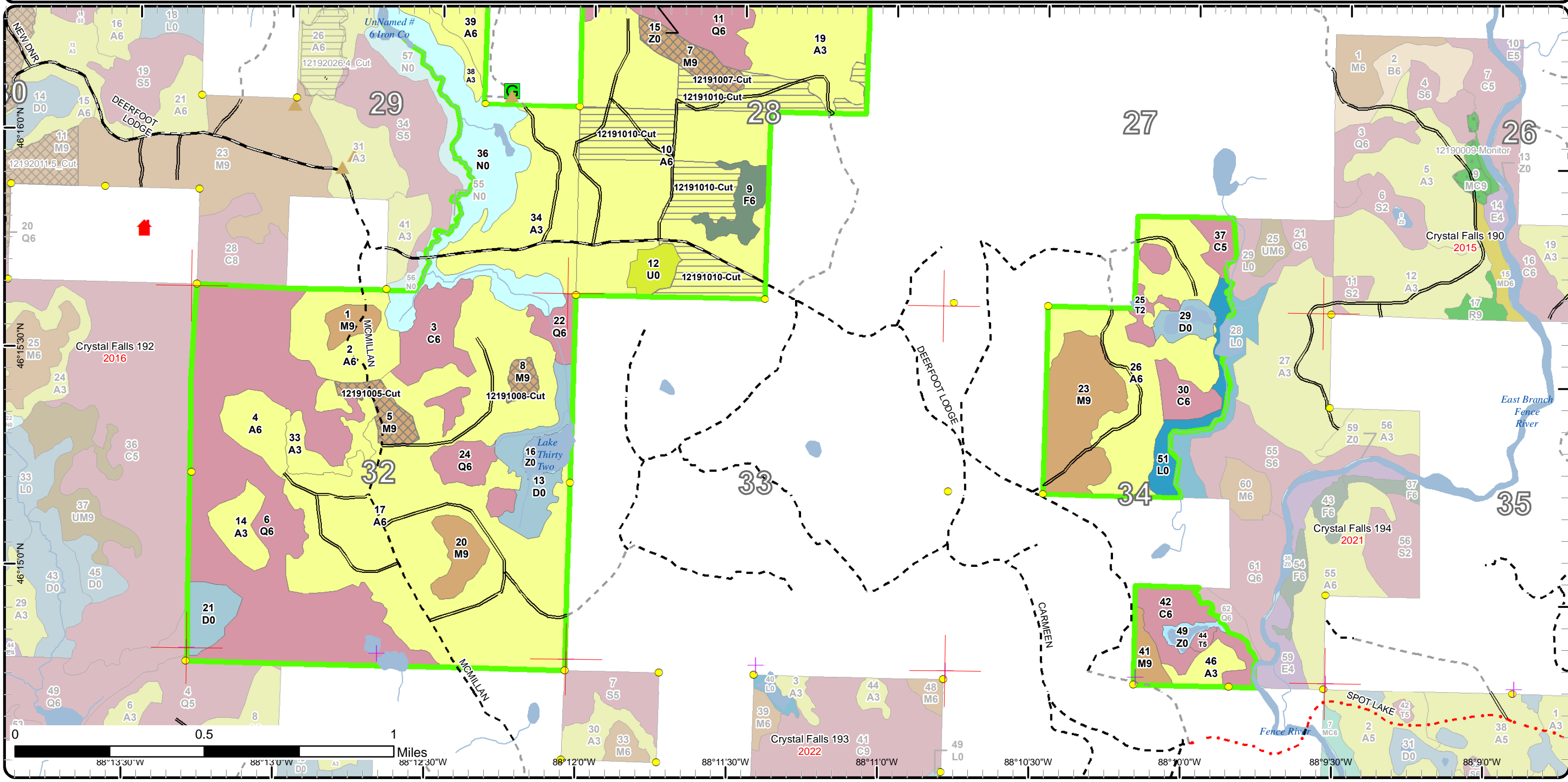


# Cover Type & Treatments Map

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34,  
 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme  
 Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



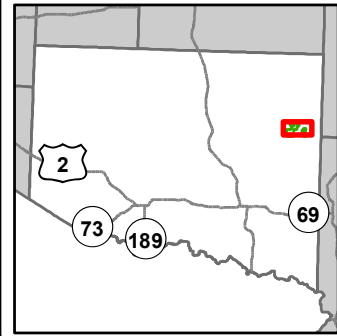
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



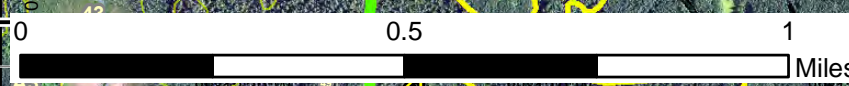
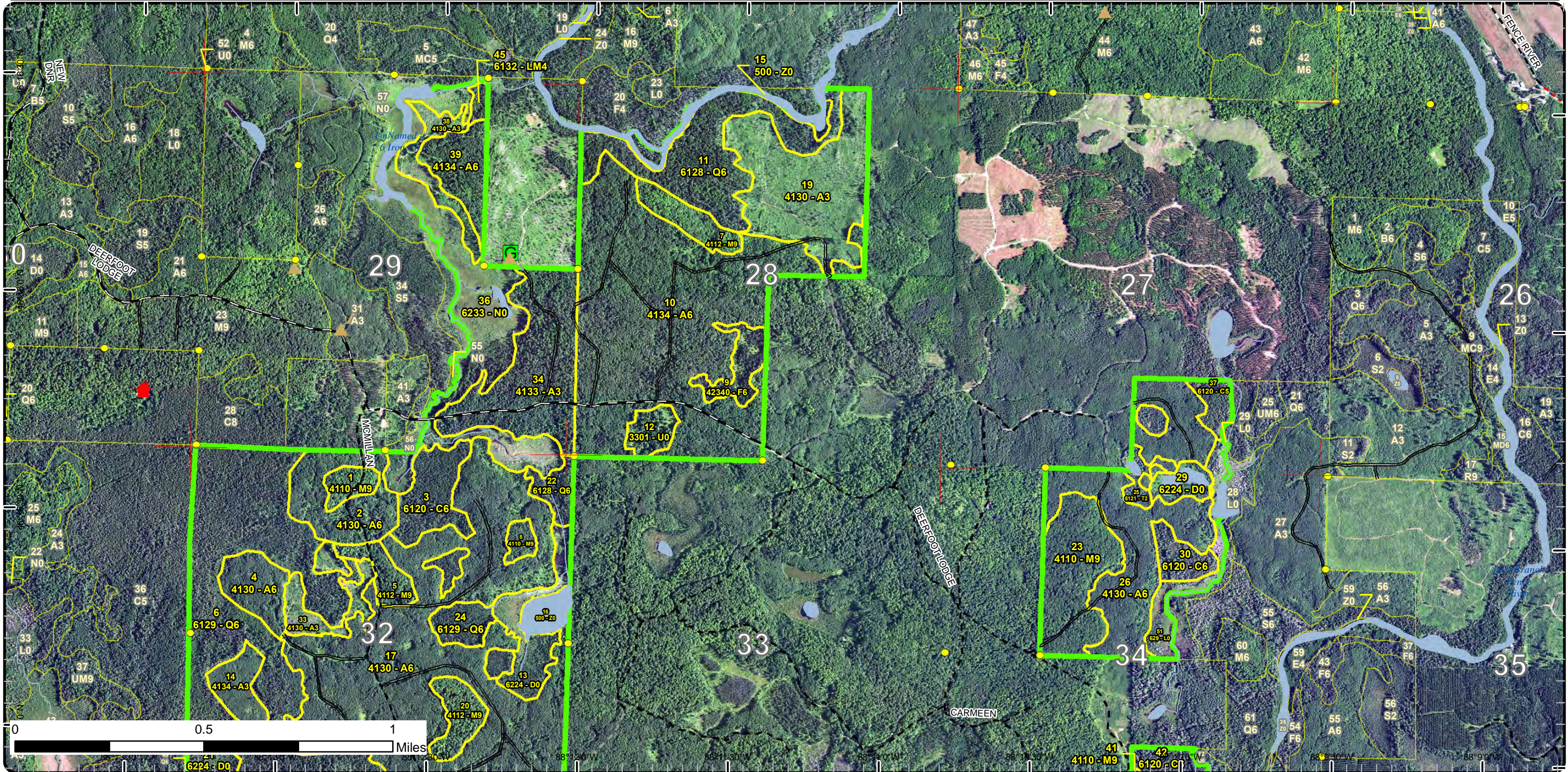


# Stand Boundary Map

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34, 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme  
 Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



- Miris Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Cabin
- ▲ Berms
- Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

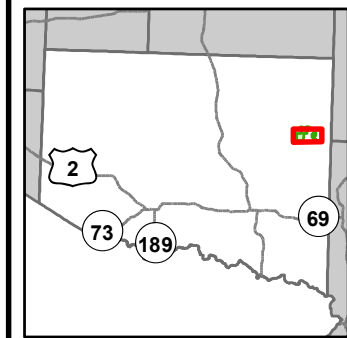


88°12'0" W    88°11'30" W    88°11'0" W    88°10'30" W    88°10'0" W    88°9'30" W

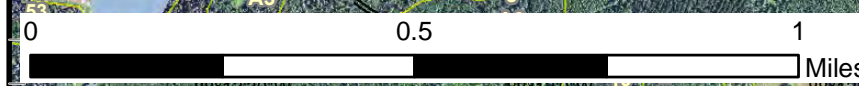
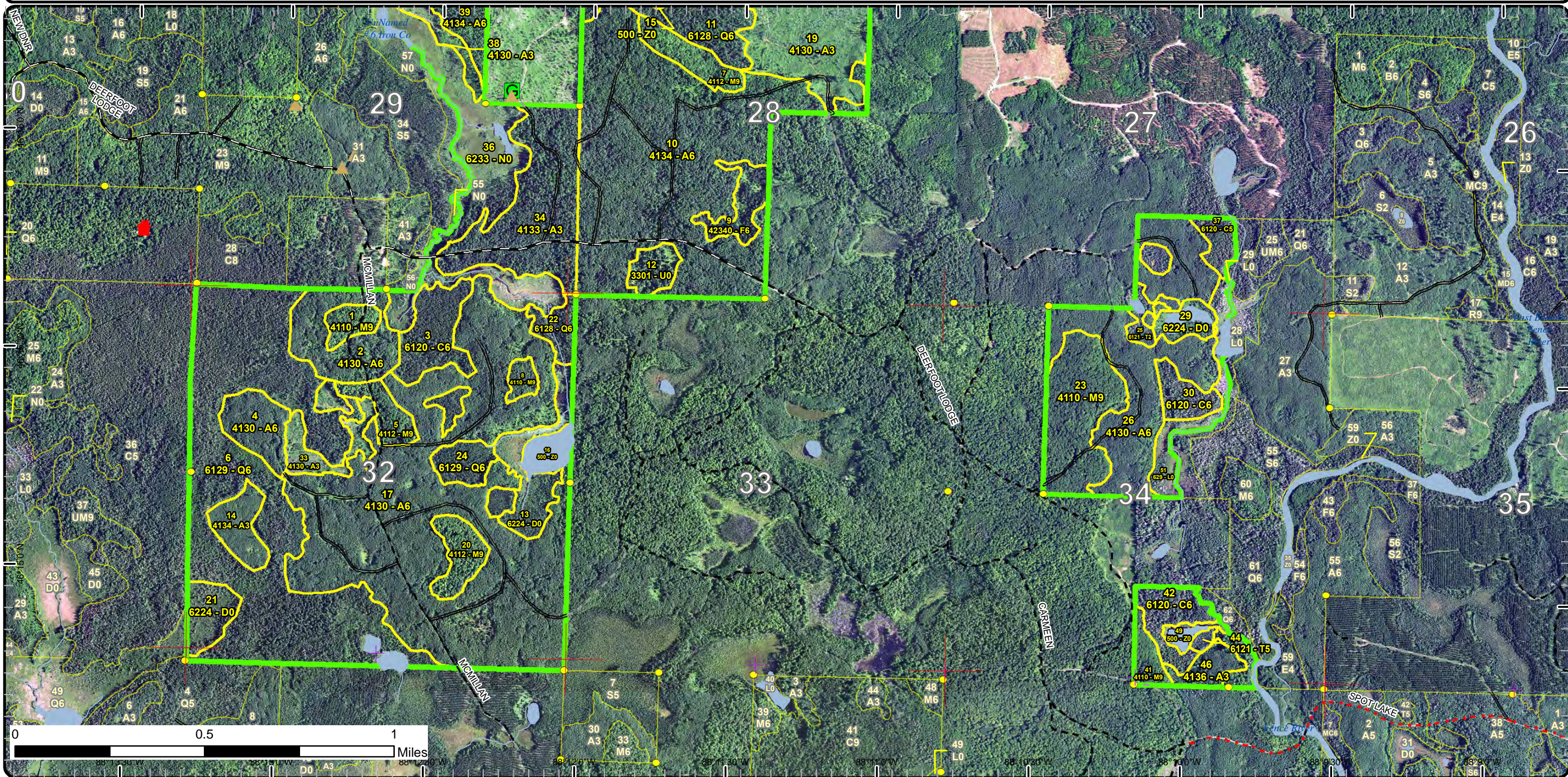


# Stand Boundary Map

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34, 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

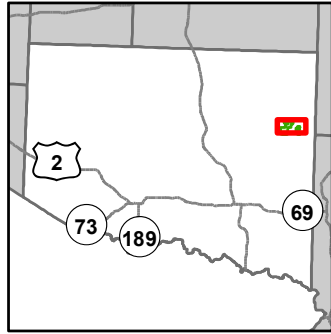


Map coordinates: 88° 11' 30" W, 88° 11' 0" W, 88° 10' 30" W, 88° 10' 0" W, 88° 9' 30" W, 88° 9' 0" W, 88° 8' 30" W, 88° 8' 0" W, 88° 7' 30" W, 88° 7' 0" W, 88° 6' 30" W, 88° 6' 0" W, 88° 5' 30" W, 88° 5' 0" W, 88° 4' 30" W, 88° 4' 0" W, 88° 3' 30" W, 88° 3' 0" W, 88° 2' 30" W, 88° 2' 0" W, 88° 1' 30" W, 88° 1' 0" W, 88° 0' 30" W, 88° 0' 0" W.

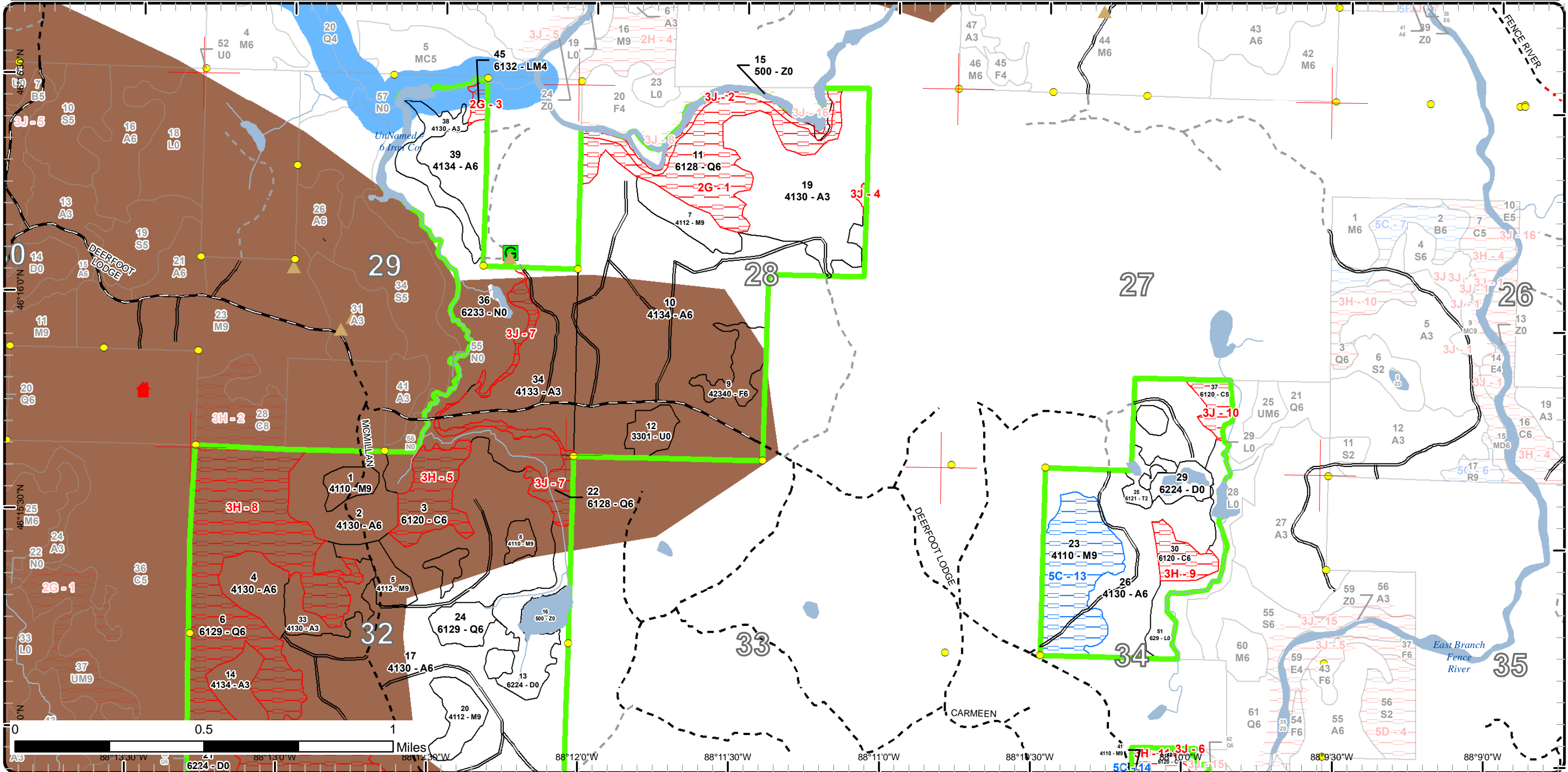


# Special Conservation Areas

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34, 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



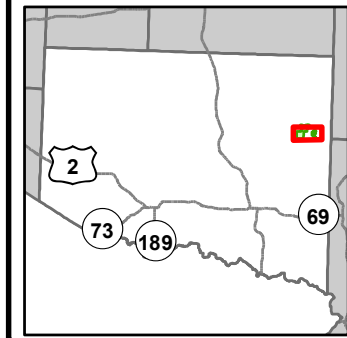
- Miris Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range



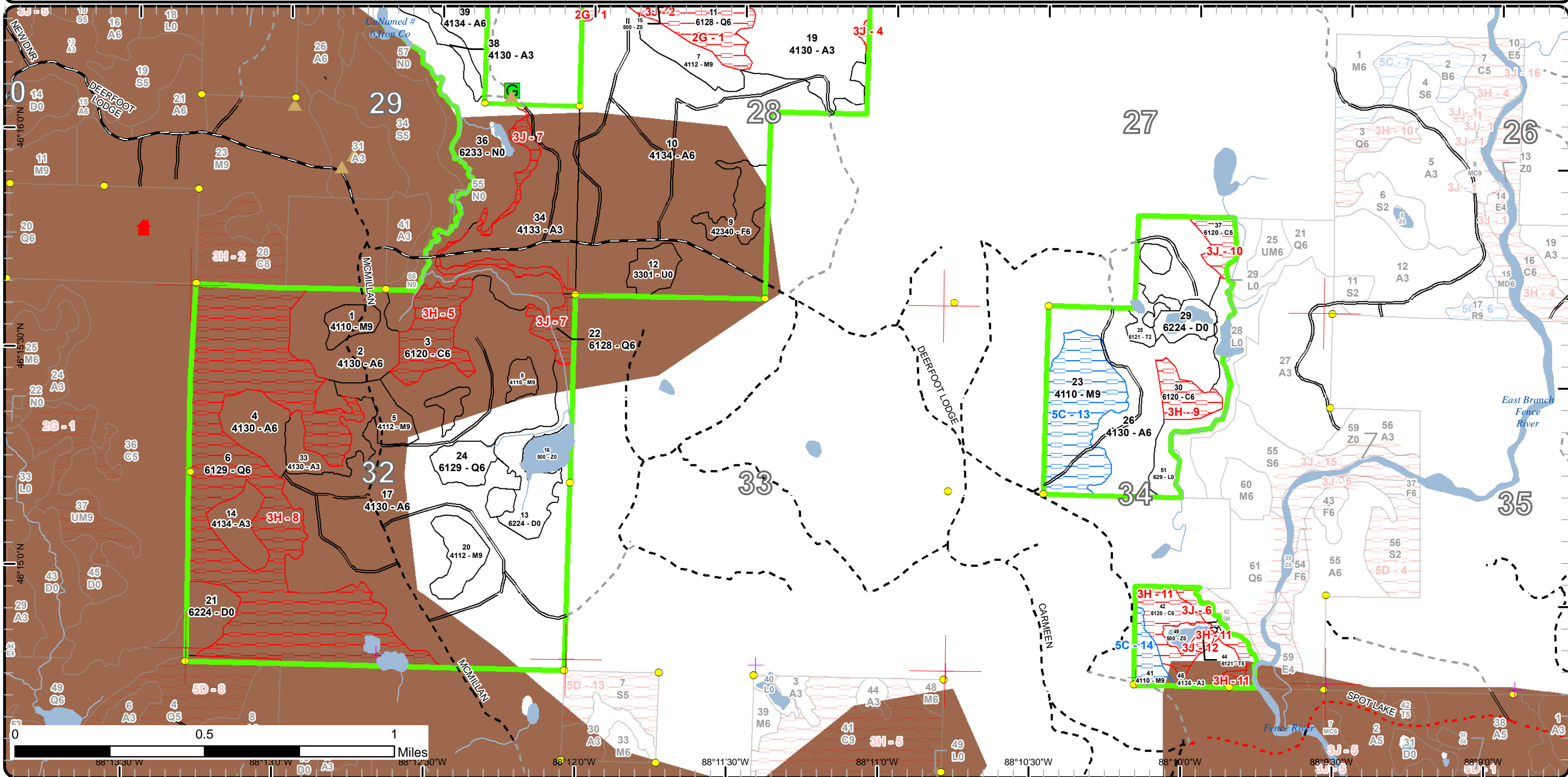


# Special Conservation Areas

Compartment: 191  
 T45N, R31W, Sec. 27-29, 32, 34, 35  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme Reservoir  
 YOE: 2023  
 Acres: 1394.4 GIS Calculated  
 Examiner: Ed Rice  
 Map Revised: 12/28/2021  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Cabin
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- 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	146	13	9	378	218	0	0	0	0	0	0	0	0	0	0	0	16	780
Cedar	0	0	0	0	0	0	0	0	0	0	22	39	0	0	0	0	0	0	61
Low-Density Trees	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	17	9	0	0	0	0	0	56	0	0	0	0	0	180	262
Lowland Mixed Forest	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Marsh	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99
Tamarack	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Treed Bog	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Upland Spruce/Fir	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>Total</b>	<b>169</b>	<b>146</b>	<b>13</b>	<b>9</b>	<b>418</b>	<b>230</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>95</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>295</b>	<b>1397</b>





## Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2023

Compartment 191  
Total Compartment Acres: 1,394

### Acres of Harvest

Commercial Harvest - 106  
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	78	0	0	0	0	0	0	0	0	78
Northern Hardwood	0	28	0	0	0	0	0	0	0	28
<b>Total</b>	<b>78</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>106</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	106	0	0	0	0	0	0	0	0	106
Next Step	0	0	0	0	0	106	0	0	0	106
<b>Total</b>	<b>106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>213</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
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

**Approved Treatments:**

<b>5</b>	<b>12191005-Cut</b>	10.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	75	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Thin to 80 BA. Concentrate removals on in order of priority: high risk trees, trees that will decrease in value before the next cutting cycle (20 yrs) and if needed thin from below. Keep all species and size classes represented in residual stand. Do not cut minor species: basswood, y birch, or other species that may be found to be a minor component. Do not cut oak, hemlock or w pine. protect as much as possible through marking, pockets of advanced maple regeneration. If vernal areas are found during marking, buffer these by a tree length by not marking timber in that buffer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u> R maple 11-16"dbh. good h maple regeneration in pockets. 120 BA</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
<b>7</b>	<b>12191007-Cut</b>	13.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Thin to 80 BA. Concentrate removals on in order of priority: high risk trees, trees that will decrease in value before the next cutting cycle (20 yrs) and if needed thin from below. Try to capture the value on r maple and cherry sawtimber, while keeping these a component of the stand. Keep all species and size classes represented in residual stand. Do not cut minor species: basswood, y birch, or other species that may be found to be a minor component. Do not cut oak, hemlock, cedar or w pine. protect as much as possible through marking, pockets of advanced maple regeneration. If vernal areas are found during marking, buffer these by a tree length by not marking timber in that buffer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u> eutypella fairly prevalent. stand lies mainly on slope/rolling hills down to adjacent swamp. 120 BA</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
<b>8</b>	<b>12191008-Cut</b>	4.5	4110 - Sugar Maple Association	Sawtimber Well	72	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Thin to 80 BA. Concentrate removals on in order of priority: high risk trees, trees that will decrease in value before the next cutting cycle (20 yrs) and if needed thin from below. Try to capture the value on r maple and cherry sawtimber, while keeping these a component of the stand. Keep all species and size classes represented in residual stand. Do not cut minor species: basswood, y birch, or other species that may be found to be a minor component. Do not cut oak, hemlock or w pine. protect as much as possible through marking, pockets of advanced maple regeneration. If vernal areas are found during marking, buffer these by a tree length by not marking timber in that buffer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N Hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u> very little understory. blacknot prevalent on cherry. 150BA</p> <p><u>Comment:</u> Will need a skid trail through adjacent A6 to the road</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											





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
10 12191010-Cut	78.1	4134 - Aspen, Spruce/Fir	Poletimber Well	45	Unspecified	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> remove merchantable aspen, balm, spruce, fir, cherry. where available leave 1 cherry per cruise point. do not cut elm, cedar, w birch, w pine, r pine. buffer any vernal areas found during sale set up</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> mix upland. aspen, spruce, fir</p> <p><u>Other Comment:</u> component of aspen 10-12" dbh. balm present in small amounts. very scattered w pine/r pine 16-20" dbh. Areas higher stocked with aspen with associated highly stocked spruce/fir. very widely scattered upland cedar and elm</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

**Total Treatment Acreage Proposed: 106.4**



## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 191

Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
779	768	0	11
62	0	0	62
9	9	0	0
261	17	0	244
3	0	0	3
17	17	0	0
79	79	0	0
99	48	51	0
11	9	0	2
43	43	0	0
12	12	0	0
21	19	0	2
1,394	1,020	51	323
	73%	4%	23%

### Dominant Site Conditions

	Dominant Site Conditions				
	5C	2G	3H	3J	5D
Aspen				11	
Cedar			48	14	
Low-Density Trees					
Lowland Conifers		48	177	17	2
Lowland Mixed Forest		3			
Lowland Shrub					
Marsh					
Northern Hardwood	51				
Tamarack				2	
Treed Bog					
Upland Spruce/Fir					
Water				2	
Total Forested Acres	51	51	225	45	2
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	2G: Too wet (sensitive soils, does not include access issues)	48	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is fairly open in areas heavy to tag alder, wet							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> RMZ reduced to 100ft per Fish Div							



## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 191

Year of Entry: 2023

3	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> vernal/low ground area							
5	<b>Unavailable</b>	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	19	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	178	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 191

Year of Entry: 2023

9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> delay treatment to balance N Hdwd managment							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> hold to balance N Hdwd managment							



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.
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																																						
1	4110 - Sugar Maple Association	Sawtimber Well	7.3	75	81-110	N/A	component of h maple 20-24" dbh. very scattered basswood. 90 BA																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>80</td> <td>Log/Pole</td> <td>11</td> <td>75</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	80	Log/Pole	11	75	Red Maple	10	Pole/Log	9		Yellow Birch	5	Log/Pole	10		Black Cherry	5	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	High	5 - 10 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																									
Sugar Maple	80	Log/Pole	11	75																																									
Red Maple	10	Pole/Log	9																																										
Yellow Birch	5	Log/Pole	10																																										
Black Cherry	5	Pole	8																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Sugar Maple	High	5 - 10 feet	Sapling																																										
2	4130 - Aspen	Poletimber Well	31.4	30	Unspecified	N/A	scattered elm																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole/Sapling</td> <td>6</td> <td>30</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Pole/Sapling	6	30	Paper Birch	5	Sapling/Pole	3		Black Cherry	10	Pole/Sapling	5		Balsam Fir	10	Sapling/Pole	4		Red Maple	5	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hazelnut (Spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																									
Quaking Aspen	70	Pole/Sapling	6	30																																									
Paper Birch	5	Sapling/Pole	3																																										
Black Cherry	10	Pole/Sapling	5																																										
Balsam Fir	10	Sapling/Pole	4																																										
Red Maple	5	Pole/Sapling	5																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub																																										
3	6120 - Lowland Cedar	Poletimber Well	22.4	95	Unspecified	N/A																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>90</td> <td>Log/Pole</td> <td>10</td> <td>95</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	10	Pole	7		Northern White Cedar	90	Log/Pole	10	95	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	Tall Shrub																			
Canopy Species	% Cover	Size Class	DBH	Age																																									
Black Spruce	10	Pole	7																																										
Northern White Cedar	90	Log/Pole	10	95																																									
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	Low	5 - 10 feet	Tall Shrub																																										
4	4130 - Aspen	Poletimber Well	17.2	30	Immature	N/A																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole/Sapling</td> <td>5</td> <td>30</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Pole/Sapling	5	30	Balsam Fir	5	Sapling/Pole	4		Black Cherry	10	Sapling	3		White Spruce	5	Sapling/Pole	3		Red Maple	10	Sapling	2		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																									
Quaking Aspen	70	Pole/Sapling	5	30																																									
Balsam Fir	5	Sapling/Pole	4																																										
Black Cherry	10	Sapling	3																																										
White Spruce	5	Sapling/Pole	3																																										
Red Maple	10	Sapling	2																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Black Cherry	Medium	5 - 10 feet	Sapling																																										
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.5	75	111-140	N/A	R maple 11-16"dbh. good h maple regeneration in pockets. 120 BA																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>45</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>50</td> <td>Log/Pole</td> <td>11</td> <td>75</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	45	Log/Pole	11		Red Maple	50	Log/Pole	11	75	Paper Birch	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																									
Sugar Maple	45	Log/Pole	11																																										
Red Maple	50	Log/Pole	11	75																																									
Paper Birch	5	Log/Pole	10																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Sugar Maple	Medium	5 - 10 feet	Sapling																																										
Red Maple	Medium	5 - 10 feet	Sapling																																										
6	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	179.6	101	Unspecified	N/A	areas poorly stocked heavy to tag alderwinter deer use																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Poplar</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>6</td> <td>60</td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>45</td> <td>Log/Pole</td> <td>10</td> <td>101</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Poplar	5	Log/Pole	12		Balsam Fir	20	Pole	6	60	Black Spruce	20	Pole/Sapling	7		Northern White Cedar	45	Log/Pole	10	101	Tamarack	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	Tall Shrub	Balsam Fir	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																									
Balsam Poplar	5	Log/Pole	12																																										
Balsam Fir	20	Pole	6	60																																									
Black Spruce	20	Pole/Sapling	7																																										
Northern White Cedar	45	Log/Pole	10	101																																									
Tamarack	10	Pole	8																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	Low	5 - 10 feet	Tall Shrub																																										
Balsam Fir	Medium	10 - 20 feet	Sapling																																										





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.3	70	111-140	N/A	eutypella fairly prevalent. stand lies mainly on slope/rolling hills down to adjacent swamp. 120 BA																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>55</td> <td>Log/Pole</td> <td>10</td> <td>70</td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	55	Log/Pole	10	70	Red Maple	30	Log/Pole	12		Quaking Aspen	10	Log	14		Yellow Birch	5	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	10 - 20 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																									
Sugar Maple	55	Log/Pole	10	70																																									
Red Maple	30	Log/Pole	12																																										
Quaking Aspen	10	Log	14																																										
Yellow Birch	5	Log	12																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Sugar Maple	Low	10 - 20 feet	Sapling																																										
8	4110 - Sugar Maple Association	Sawtimber Well	4.5	72	111-140	N/A	very little understory. blacknot prevalent on cherry. 150BA																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>90</td> <td>Log/Pole</td> <td>12</td> <td>72</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	90	Log/Pole	12	72	Red Maple	5	Log/Pole	12		Black Cherry	5	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>&gt;20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	>20 feet	Pole														
Canopy Species	% Cover	Size Class	DBH	Age																																									
Sugar Maple	90	Log/Pole	12	72																																									
Red Maple	5	Log/Pole	12																																										
Black Cherry	5	Log	12																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Sugar Maple	Low	>20 feet	Pole																																										
9	42340 - Upland Spruce/Fir	Poletimber Well	12.4	35	Unspecified	N/A	highly stocked spruce fir growing in among small openings.																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Pole</td> <td>7</td> <td>45</td> </tr> <tr> <td>Balsam Fir</td> <td>35</td> <td>Pole/Sapling</td> <td>6</td> <td>35</td> </tr> <tr> <td>White Spruce</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	15	Pole	7	45	Balsam Fir	35	Pole/Sapling	6	35	White Spruce	30	Pole/Sapling	6		Black Cherry	15	Pole	8		Paper Birch	5	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																									
Quaking Aspen	15	Pole	7	45																																									
Balsam Fir	35	Pole/Sapling	6	35																																									
White Spruce	30	Pole/Sapling	6																																										
Black Cherry	15	Pole	8																																										
Paper Birch	5	Pole/Sapling	6																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Balsam Fir	High	10 - 20 feet	Sapling																																										
10	4134 - Aspen, Spruce/Fir	Poletimber Well	197.4	45	Unspecified	N/A	component of aspen 10-12" dbh. balm present in small amounts. very scattered w pine/r pine 16-20" dbh. Areas higher stocked with aspen with associated highly stocked spruce/fir. very widely scattered upland cedar and elm																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>65</td> <td>Pole</td> <td>7</td> <td>45</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	5	Pole	8		Quaking Aspen	65	Pole	7	45	Balsam Fir	15	Pole/Sapling	7		White Spruce	10	Pole/Sapling	6		Paper Birch	5	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling	Red Maple	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																									
Black Cherry	5	Pole	8																																										
Quaking Aspen	65	Pole	7	45																																									
Balsam Fir	15	Pole/Sapling	7																																										
White Spruce	10	Pole/Sapling	6																																										
Paper Birch	5	Pole/Sapling	6																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Balsam Fir	High	10 - 20 feet	Sapling																																										
Red Maple	Medium	10 - 20 feet	Sapling																																										
11	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	55.9	101	Unspecified	N/A	scattered y birch. very wet																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Ash</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>35</td> <td>Log/Pole</td> <td>11</td> <td>101</td> </tr> <tr> <td>Balsam Poplar</td> <td>5</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>35</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Pole/Sapling	6		Black Ash	15	Pole/Sapling	6		Northern White Cedar	35	Log/Pole	11	101	Balsam Poplar	5	Log/Pole	11		Black Spruce	35	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																									
Balsam Fir	10	Pole/Sapling	6																																										
Black Ash	15	Pole/Sapling	6																																										
Northern White Cedar	35	Log/Pole	11	101																																									
Balsam Poplar	5	Log/Pole	11																																										
Black Spruce	35	Pole	6																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	High	5 - 10 feet	Tall Shrub																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
12	3301 - Low Density Deciduous Trees	Nonstocked	8.8		Unspecified	No	semi open with hazel and conifer																																															
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>						Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Quaking Aspen	Low	10 - 20 feet	Sapling	White Spruce	Medium	10 - 20 feet	Sapling																															
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Balsam Fir	Medium	10 - 20 feet	Sapling																																																			
Quaking Aspen	Low	10 - 20 feet	Sapling																																																			
White Spruce	Medium	10 - 20 feet	Sapling																																																			
13	6224 - Treed Bog	Nonstocked	21.5	0	Unspecified	No	areas with stunted tamarack, b spruce. creek, old beaver flowages																																															
14	4134 - Aspen, Spruce/Fir	Sapling Well	13.4	16	Unspecified	N/A	higher ground island in conifer swamp																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>65</td> <td>Sapling</td> <td>2</td> <td>16</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Quaking Aspen	65	Sapling	2	16	Balsam Fir	15	Sapling	1		White Spruce	15	Sapling	1																							
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Maple	5	Sapling	1																																																			
Quaking Aspen	65	Sapling	2	16																																																		
Balsam Fir	15	Sapling	1																																																			
White Spruce	15	Sapling	1																																																			
15	500 - Water	Nonstocked	9.0	0	Unspecified	No	Fence River																																															
16	500 - Water	Nonstocked	7.5		Unspecified	No	Lake 32																																															
17	4130 - Aspen	Poletimber Well	248.7	30	Immature	N/A	large stand cut at one time. slight variations but overall diameters hold to 7" dbh with scattered 10" dbh trees. scattered elm saplings. small pockets of spruce/fir. scattered opening inclusions.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole</td> <td>7</td> <td>30</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Pole	7	30	Balsam Fir	5	Pole	5		White Spruce	5	Pole/Sapling	7		Black Cherry	10	Pole/Sapling	5		Paper Birch	5	Pole/Sapling	6		Red Maple	5	Sapling/Pole	4		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	10 - 20 feet	Sapling	Balsam Fir	Low	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Quaking Aspen	70	Pole	7	30																																																		
Balsam Fir	5	Pole	5																																																			
White Spruce	5	Pole/Sapling	7																																																			
Black Cherry	10	Pole/Sapling	5																																																			
Paper Birch	5	Pole/Sapling	6																																																			
Red Maple	5	Sapling/Pole	4																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Black Cherry	Medium	10 - 20 feet	Sapling																																																			
Balsam Fir	Low	10 - 20 feet	Sapling																																																			
19	4130 - Aspen	Sapling Well	69.9	6	Unspecified	N/A																																																
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog</td> <td>18</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling	1	6	Balsam Fir	5	Sapling/Pole	3		White Pine	5	XLog	18		Black Cherry	5	Pole	8		Paper Birch	5	Sapling	1																		
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Quaking Aspen	80	Sapling	1	6																																																		
Balsam Fir	5	Sapling/Pole	3																																																			
White Pine	5	XLog	18																																																			
Black Cherry	5	Pole	8																																																			
Paper Birch	5	Sapling	1																																																			





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

<b>20</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.8	72	81-110	N/A	S 1/2 of stand has higher stocked ironwood saplings - lower stocking of n hardwoods. h maple 8-22" dbh 100 BA
-----------	---	----------------	------	----	--------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Log/Pole	10	72
Red Maple	20	Log/Pole	12	
Yellow Birch	5	Log/Pole	12	
Black Cherry	5	Log	11	
Basswood	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	10 - 20 feet	Sapling
White Spruce	Low	10 - 20 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling

<b>21</b>	6224 - Treed Bog	Nonstocked	12.8		Unspecified	No	leatherleaf with stunted b spruce
-----------	------------------	------------	------	--	-------------	----	-----------------------------------

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace		Seeding
Black Spruce	Trace		Seeding
Tamarack	Trace		Seeding

<b>22</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	8.7	40	Unspecified	N/A	lowland conifer stand adjacent to creek
-----------	--	-----------------	-----	----	-------------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	5	
Black Spruce	30	Pole/Sapling	6	40
Northern White Cedar	20	Log/Pole	10	
Tamarack	20	Pole	5	
Black Ash	10	Pole/Sapling	6	
Balsam Poplar	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub

<b>23</b>	4110 - Sugar Maple Association	Sawtimber Well	43.2	72	111-140	N/A	eutyella prevalent. 130BA
-----------	--------------------------------	----------------	------	----	---------	-----	---------------------------

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	10	72
Red Maple	5	Pole	8	
Black Cherry	5	Log	12	
Basswood	20	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	10 - 20 feet	Sapling
Sugar Maple	Medium	>20 feet	Pole

<b>24</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	17.0	32	Immature	N/A	
-----------	--	-----------------	------	----	----------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling/Pole	3	
Black Spruce	35	Sapling	2	
Northern White Cedar	10	Log/Pole	10	
Tamarack	45	Sapling/Pole	3	32

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
25	6121 - Tamarack	Sapling Medium	8.8	35	Unspecified	N/A	bog ground, small pond associated. edge transitional areas hold larger diameter b spruce																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>85</td> <td>Sapling/Pole</td> <td>4</td> <td>35</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	5	Sapling	3		Tamarack	85	Sapling/Pole	4	35	Balsam Fir	10	Sapling	3		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Black Spruce	5	Sapling	3																																													
Tamarack	85	Sapling/Pole	4	35																																												
Balsam Fir	10	Sapling	3																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																													
26	4130 - Aspen	Poletimber Well	80.4	32	Unspecified	N/A	scattered w birch 5-6" dbh. rolling hills. widely scattered large w pine																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>75</td> <td>Pole/Sapling</td> <td>6</td> <td>32</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	75	Pole/Sapling	6	32	Red Maple	15	Pole/Sapling	5		White Spruce	10	Sapling/Pole	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	10 - 20 feet	Sapling	Black Cherry	Low	10 - 20 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	75	Pole/Sapling	6	32																																												
Red Maple	15	Pole/Sapling	5																																													
White Spruce	10	Sapling/Pole	4																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Sugar Maple	Medium	10 - 20 feet	Sapling																																													
Black Cherry	Low	10 - 20 feet	Sapling																																													
29	6224 - Treed Bog	Nonstocked	8.5		Unspecified	No	bog and pond edged with stunted tamarack saplings and small poletimber																																									
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Trace</td> <td></td> <td>Seeding</td> </tr> <tr> <td>Tamarack</td> <td>Trace</td> <td></td> <td>Seeding</td> </tr> <tr> <td>Black Spruce</td> <td>Trace</td> <td></td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Trace		Seeding	Tamarack	Trace		Seeding	Black Spruce	Trace		Seeding																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Trace		Seeding																																													
Tamarack	Trace		Seeding																																													
Black Spruce	Trace		Seeding																																													
30	6120 - Lowland Cedar	Poletimber Well	10.4	101	Unspecified	N/A																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>75</td> <td>Log/Pole</td> <td>11</td> <td>101</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole/Sapling	6		Black Spruce	10	Pole	6		Northern White Cedar	75	Log/Pole	11	101	Tamarack	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Medium	5 - 10 feet	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Paper Birch	5	Pole/Sapling	6																																													
Black Spruce	10	Pole	6																																													
Northern White Cedar	75	Log/Pole	11	101																																												
Tamarack	10	Pole	6																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Tamarack	Medium	5 - 10 feet	Sapling																																													
33	4130 - Aspen	Sapling Well	16.1	6	Immature	N/A	aspen 10-15' tall. areas heavily stocked to r maple saplings.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling	1	6	Red Maple	20	Sapling	1																																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	80	Sapling	1	6																																												
Red Maple	20	Sapling	1																																													
34	4133 - Aspen, Mixed Pine	Sapling Well	61.1	2	Immature	N/A	areas of high stocking to large diameter w pine, notably in N end.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>2</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>XLog</td> <td>24</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Log	12		Quaking Aspen	70	Sapling	1	2	Balsam Fir	5	Sapling	3		White Pine	20	XLog	24		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>&lt; 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	10 - 20 feet	Sapling	Black Cherry	Low	10 - 20 feet	Sapling	Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																												
Paper Birch	5	Log	12																																													
Quaking Aspen	70	Sapling	1	2																																												
Balsam Fir	5	Sapling	3																																													
White Pine	20	XLog	24																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	10 - 20 feet	Sapling																																													
Black Cherry	Low	10 - 20 feet	Sapling																																													
Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub																																													
36	6233 - Wet Meadow	Nonstocked	78.6		Unspecified	No	open bog/marsh. leatherleaf and dead snags, creek/floodings throughout. N 3/4 burned in Rock Dam Fire 2009																																									





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
<b>37</b>	6120 - Lowland Cedar	Poletimber Medium	7.4	102	Unspecified	N/A	areas heavy to tag alder. stand is just about pure cedar																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>90</td> <td>Log/Pole</td> <td>11</td> <td>102</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	5	Pole	6		Northern White Cedar	90	Log/Pole	11	102	Balsam Fir	5	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Seeding																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Black Spruce	5	Pole	6																																													
Northern White Cedar	90	Log/Pole	11	102																																												
Balsam Fir	5	Pole	6																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	Variable	Seeding																																													
<b>38</b>	4130 - Aspen	Sapling Well	14.7	7	Immature	N/A	Rock Dam Fire area from 2009 - aspen has delayed regeneration but has now come in well. cherry saplings/hazel throughout.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>7</td> </tr> <tr> <td>Paper Birch</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Sapling	1	7	Paper Birch	20	Sapling	1		Red Maple	10	Sapling	1		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hazelnut (Spp.)</td> <td>High</td> <td>&lt; 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Spp.)	High	< 5 feet	Tall Shrub																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	70	Sapling	1	7																																												
Paper Birch	20	Sapling	1																																													
Red Maple	10	Sapling	1																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Hazelnut (Spp.)	High	< 5 feet	Tall Shrub																																													
<b>39</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	20.1	40	Unspecified	N/A	only older age class in adjacent area, between two younger stands. upland b spruce adjacent to swamp edge. In mid to S end of the stand, higher stockings of r maple saplings 10-120' tall																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole</td> <td>9</td> <td>40</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole	7		White Spruce	10	Pole/Sapling	6		Quaking Aspen	70	Pole	9	40	Balsam Fir	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>&lt; 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	10 - 20 feet	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling	Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	10	Pole	7																																													
White Spruce	10	Pole/Sapling	6																																													
Quaking Aspen	70	Pole	9	40																																												
Balsam Fir	10	Pole	6																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	High	10 - 20 feet	Sapling																																													
Balsam Fir	Medium	10 - 20 feet	Sapling																																													
Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub																																													
<b>41</b>	4110 - Sugar Maple Association	Sawtimber Well	7.4	72	111-140	N/A	120 BA																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>70</td> <td>Log/Pole</td> <td>11</td> <td>72</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Basswood</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	70	Log/Pole	11	72	Red Maple	20	Log/Pole	10		Basswood	10	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	High	10 - 20 feet	Sapling	Ironwood	High	10 - 20 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																												
Sugar Maple	70	Log/Pole	11	72																																												
Red Maple	20	Log/Pole	10																																													
Basswood	10	Log	12																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Sugar Maple	High	10 - 20 feet	Sapling																																													
Ironwood	High	10 - 20 feet	Sapling																																													
<b>42</b>	6120 - Lowland Cedar	Poletimber Well	21.4	102	Unspecified	N/A	adjacent to bog																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td>42</td> </tr> <tr> <td>Northern White Cedar</td> <td>50</td> <td>Log/Pole</td> <td>11</td> <td>102</td> </tr> <tr> <td>Tamarack</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	15	Pole/Sapling	6		Black Spruce	15	Pole/Sapling	6	42	Northern White Cedar	50	Log/Pole	11	102	Tamarack	20	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Tag Alder	Medium	5 - 10 feet	Tall Shrub								
Canopy Species	% Cover	Size Class	DBH	Age																																												
Balsam Fir	15	Pole/Sapling	6																																													
Black Spruce	15	Pole/Sapling	6	42																																												
Northern White Cedar	50	Log/Pole	11	102																																												
Tamarack	20	Pole	7																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Medium	10 - 20 feet	Sapling																																													
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																													
<b>44</b>	6121 - Tamarack	Poletimber Medium	1.8	35	Unspecified	N/A	stand adjancet to pond, creek																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>100</td> <td>Sapling/Pole</td> <td>4</td> <td>35</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	100	Sapling/Pole	4	35	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	Variable	Tall Shrub																											
Canopy Species	% Cover	Size Class	DBH	Age																																												
Tamarack	100	Sapling/Pole	4	35																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Tag Alder	Low	Variable	Tall Shrub																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>45</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	2.8	43	Unspecified	N/A	b ash/cedar with small higher ground inclusion. windthrow area regenerating to A3M3. overall very wet stand - water																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Poplar</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>40</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Black Ash</td> <td>40</td> <td>Pole</td> <td>6</td> <td>43</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Poplar	10	Log	12		Balsam Fir	10	Sapling/Pole	3		Northern White Cedar	40	Log	12		Black Ash	40	Pole	6	43	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>High</td> <td>&lt; 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	5 - 10 feet	Sapling	Quaking Aspen	Medium	5 - 10 feet	Sapling	Hazelnut (Beaked)	High	< 5 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																								
Balsam Poplar	10	Log	12																																									
Balsam Fir	10	Sapling/Pole	3																																									
Northern White Cedar	40	Log	12																																									
Black Ash	40	Pole	6	43																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
Red Maple	High	5 - 10 feet	Sapling																																									
Quaking Aspen	Medium	5 - 10 feet	Sapling																																									
Hazelnut (Beaked)	High	< 5 feet	Tall Shrub																																									
<b>46</b>	4136 - Aspen, Mixed Conifer	Sapling Well	8.8	24	Unspecified	N/A	scattered large w pine. mix of trees just moving into poletimber size class																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>85</td> <td>Sapling/Pole</td> <td>3</td> <td>24</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	85	Sapling/Pole	3	24	Black Cherry	10	Sapling/Pole	4		Paper Birch	5	Sapling	2																								
Canopy Species	% Cover	Size Class	DBH	Age																																								
Quaking Aspen	85	Sapling/Pole	3	24																																								
Black Cherry	10	Sapling/Pole	4																																									
Paper Birch	5	Sapling	2																																									
<b>49</b>	500 - Water	Nonstocked	4.2	0	Unspecified	No	bog pond																																					
<b>51</b>	629 - Mixed non-forested wetland	Nonstocked	16.6		Unspecified	No	lowlands adjacent to creek																																					