



# Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12137

Entry Year: 2027

Acreage: 817

County: Iron

Management Area: Way Dam Complex

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**Stand Examiner:** Tyler Ritchie

## Legal Description:

T43N,R32W, sec. 19, 21 & 30

## Identified Planning Goals:

Most of this compartment is undivided interest except for a few parcels. We will manage what is our ownership and try to resolve or co-manage the rest. We will keep the hardwood diverse and moving toward log status and manage for pine where those stands are ready.

## Soil and topography:

This compartment transitions from poor, dry and barrens pine soil to medium mesic soil. There are some low areas and some has been mined and can be steep and hilly.

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

This compartment is mostly undivided interest parcels with a few others mixed in. There seems to be many owners to the undivided interest which makes it extremely difficult to obtain permissions to proceed with management.

## Unique Natural Features:

There are numerous drainages and Peanut Pond in this compartment. The snowmobile trail also goes through this compartment.

## Archeological, Historical, and Cultural Features:

There is a historical site in this compartment. Also, there are some mine areas that have caving ground fences, Peanut Pit, and other sites in this compartment.

## Special Management Designations or Considerations:

This is a Obligate Deer Wintering Area.

## Watershed and Fisheries Considerations:

Briar Hill Creek flows through this compartment, eventually draining into the Paint River, Streams, regardless of their size or frequency of flow, are connected to downstream waters and strongly influence their function. Additionally, wetlands and open waters in riparian areas and floodplains are physically, chemically, and biologically integrated with rivers via functions that improve downstream water quality. These systems act as effective buffers to protect downstream waters from pollution and are essential components of river food webs. BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

## Wildlife Habitat Considerations:

## Mineral Resource and Development Concerns and/or Restrictions

Compartment 137: Section 27, T46N-R37W, Iron County

Surface sediments consist of an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation subcrops below the glacial drift. There is no current economic use for these rocks. The abandoned Iron River iron mines are located eighteen miles to the southeast. Land near this Compartment has not been previously leased for metallic exploration. Gravel pits are located in the area and there should be some potential. There is no economic oil and gas production in the UP, currently.

Compartment 137: Section 27, T44N-R36W, Iron County

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 Formation subcrops below the glacial drift. There is no current economic use for these rocks. The abandoned Iron River iron mines are located eight miles to the southeast. Land near this Compartment has not been previously leased for metallic exploration. Gravel pits are located in the area and

there maybe some potential. There is no economic oil and gas production in the UP, currently.

Compartment 137: Section 22 & 34, T44N-R35W, Iron County

Surface sediments consist of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Badwater Greenstone and Michigamme Formation subcrops below the glacial drift. There is no current economic use for these rocks. The abandoned Iron River iron mines are located three miles to the south. Land near this Compartment was previously leased for metallic exploration. Gravel pits are located in the area and there should be potential. There is no economic oil and gas production in the UP, currently.

Compartment 137: Section 19 & 30, T43N-R32W, & Section 36, T43N- R33W, Iron County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured till. The glacial drift thickness varies between 100 and 200 feet. The Precambrian Paint River Group and Riverton Iron Formation subcrop below the glacial drift. The Riverton was previously mined for iron in the Crystal Falls area. Gravel pits are located in the area and there should be some potential. There is no economic oil and gas production in the UP, currently.

**Vehicle Access:**

The vehicle access to most of these parcels is very good.

**Survey Needs:**

There are a lack of corners in this compartment and some will be needed to harvest what is prescribed.

**Recreational Facilities and Opportunities:**

Snowmobile trail UP16 runs through the compartment.

**Fire Protection:**

This area is has pine dominated forest types which are fire prone. The access to the area is very good for fire protection.

**Additional Compartment Information:**

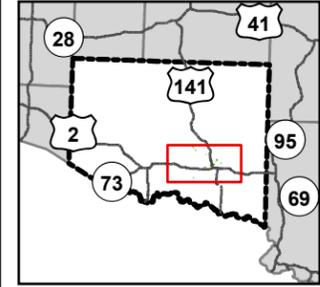
**The following reports from the Inventory are attached:**

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

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

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

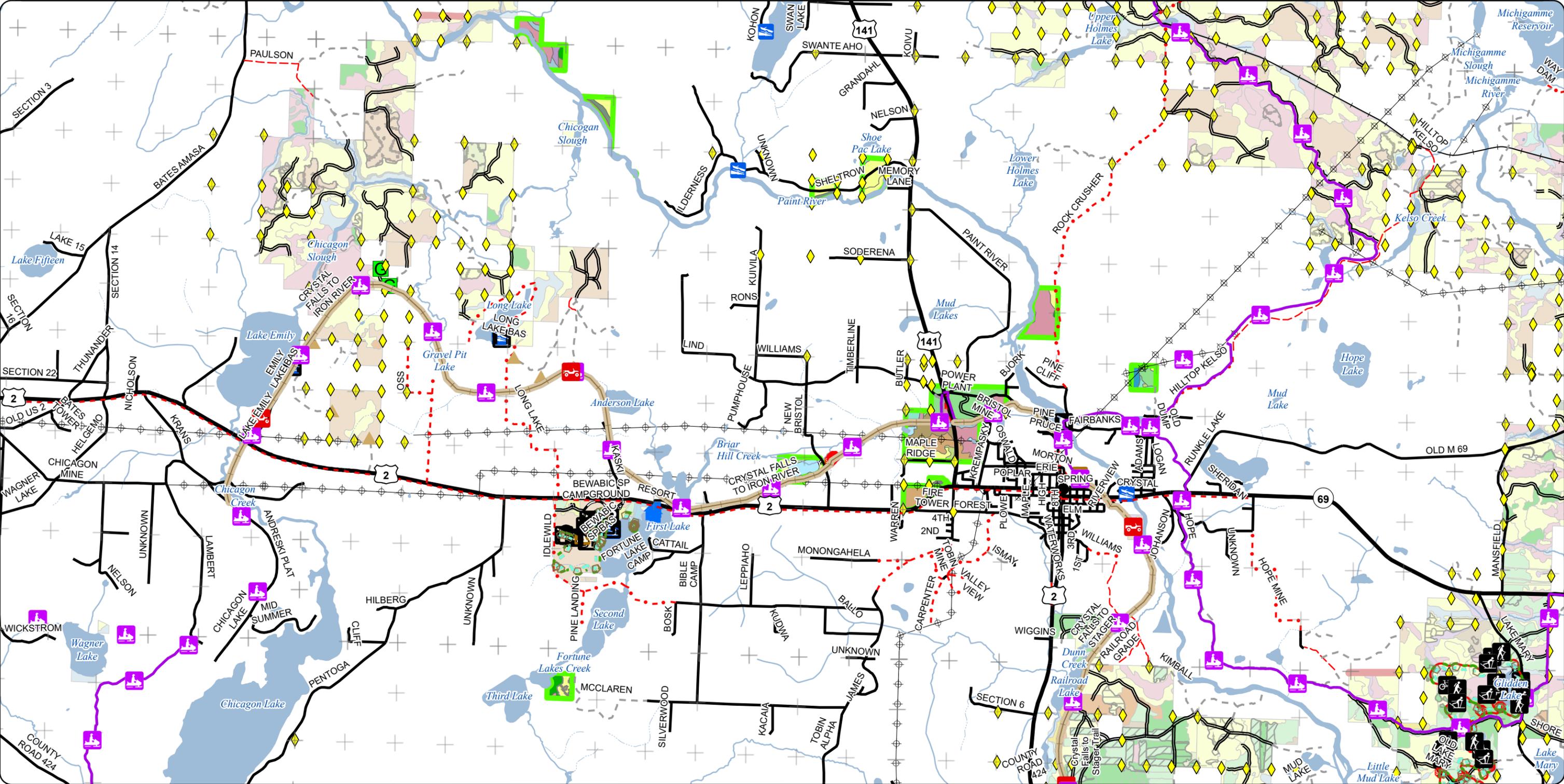
# Cover Type & Treatments Map



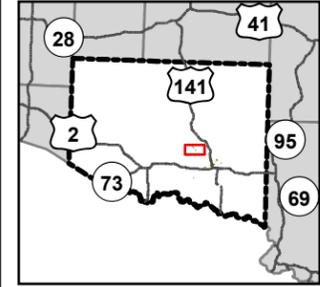
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 Mgmt. Area: Way Dam Complex  
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 Acres: 817 GIS Calculated  
 Examiner: Tyler Ritchie  
 Date Exported: 04/28/2025  
 Map Phase: Web Post



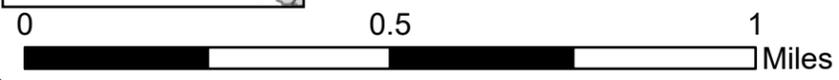
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|---|---|---|--|---|--|
| <ul style="list-style-type: none"> <li>⊕ Remonumented Section Corners</li> <li>◆ Survey Grade Corners</li> <li>🏠 House</li> <li>🚻 Toilet</li> <li>🚧 Berms</li> <li>🚪 Gate</li> <li>🚤 Boating Access Site</li> </ul> | <ul style="list-style-type: none"> <li>⚖ Bridges</li> <li>🏕 Campground</li> <li>● City</li> <li>P Parking Lot</li> <li>🛑 Sign</li> <li>🌟 Trailhead</li> <li>--- Designated Bicycle Trails</li> <li>--- Designated Ski Trails</li> <li>--- Designated Hiking Pathways</li> </ul> | <ul style="list-style-type: none"> <li>== Designated ORV Routes</li> <li>== Designated Snowmobile Trails</li> <li>== RailTrail</li> <li>== DNR - Primary Forest Road</li> <li>== DNR - Secondary Forest Road</li> <li>== DNR - Forest Access Route</li> <li>== Federal / State Highway</li> <li>== Federal / State / County - Paved Road</li> <li>== Federal / State - Dirt / Gravel Road</li> <li>== County - Gravel Road</li> </ul> | <ul style="list-style-type: none"> <li>--- County - Dirt Road (Seasonal)</li> <li>--- Private - Paved Road</li> <li>--- Private - Dirt / Gravel Road</li> <li>--- Active Railroads</li> <li>--- Intermittent Stream</li> <li>--- Perennial River</li> <li>--- Lakes and Rivers</li> <li>--- Counties</li> <li>--- Powerline</li> <li>--- Compartment Boundary</li> </ul> | <ul style="list-style-type: none"> <li>🌿 Monitoring - Regeneration</li> <li>411 - Northern Hardwood</li> <li>413 - Aspen</li> <li>421 - Planted Pines</li> <li>422 - Natural Pines</li> <li>423 - Other Upland Conifers</li> <li>429 - Mixed Upland Conifers</li> <li>430 - Upland Mixed Forest</li> <li>500 - Water</li> <li>611 - Lowland Deciduous Forest</li> </ul> | <ul style="list-style-type: none"> <li>612 - Lowland Coniferous Forest</li> <li>613 - Lowland Mixed Forest</li> <li>110 - Low Intensity Urban</li> <li>122 - Road/Parking Lot</li> <li>320 - Upland Shrub</li> <li>330 - Low Density Trees</li> <li>622 - Lowland Shrub</li> <li>629 - Mixed non-forested Wetland</li> </ul> |
|---|---|---|--|---|--|



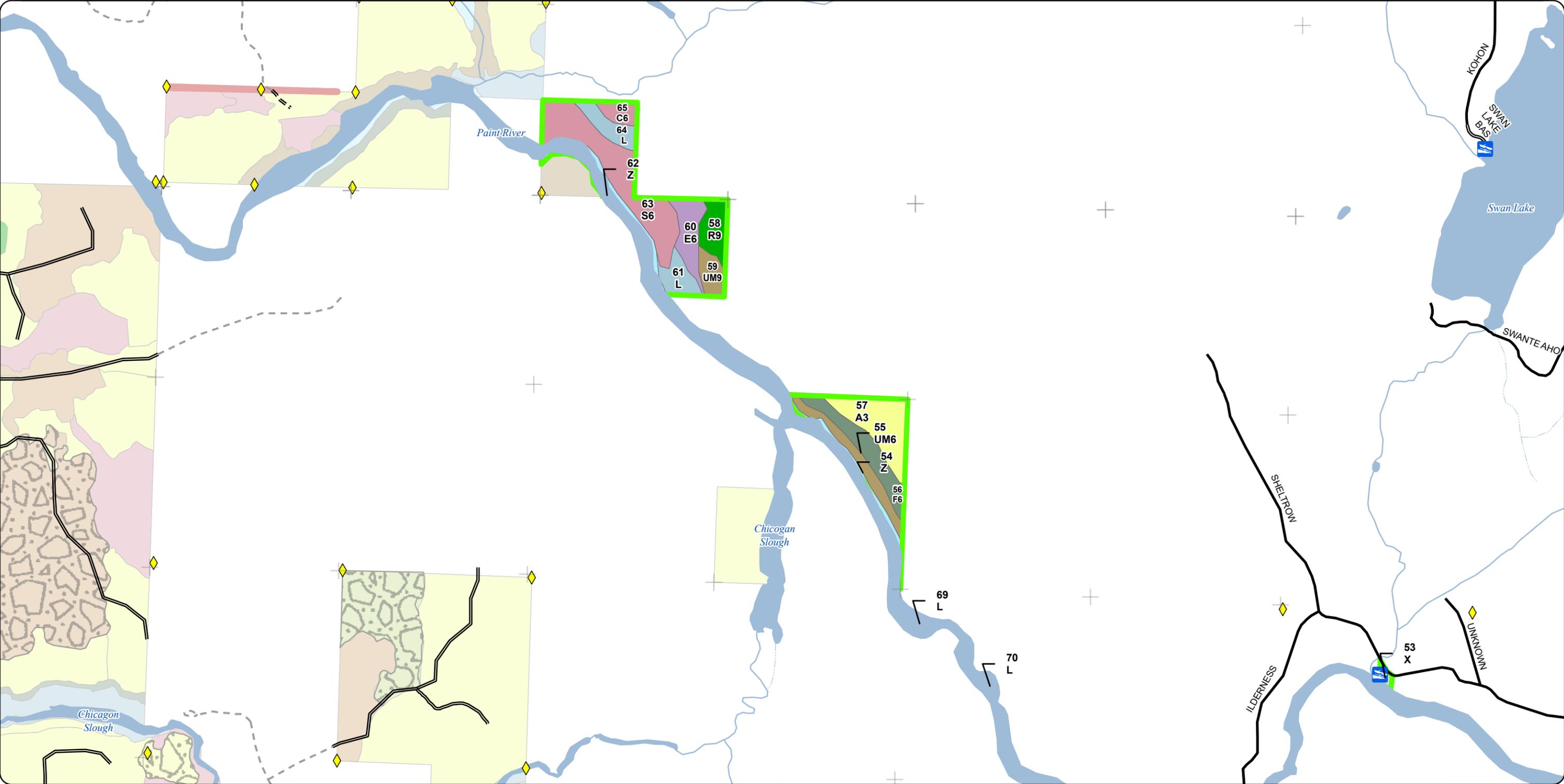
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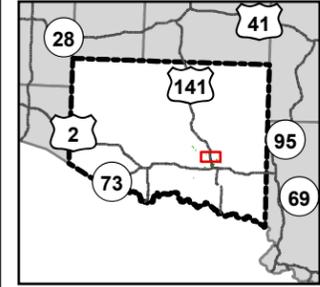
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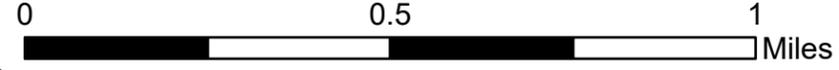
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- ▭ 422 - Natural Pines
- ▭ 423 - Other Upland Conifers
- ▭ 430 - Upland Mixed Forest
- ▭ 500 - Water
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 110 - Low Intensity Urban
- ▭ 622 - Lowland Shrub



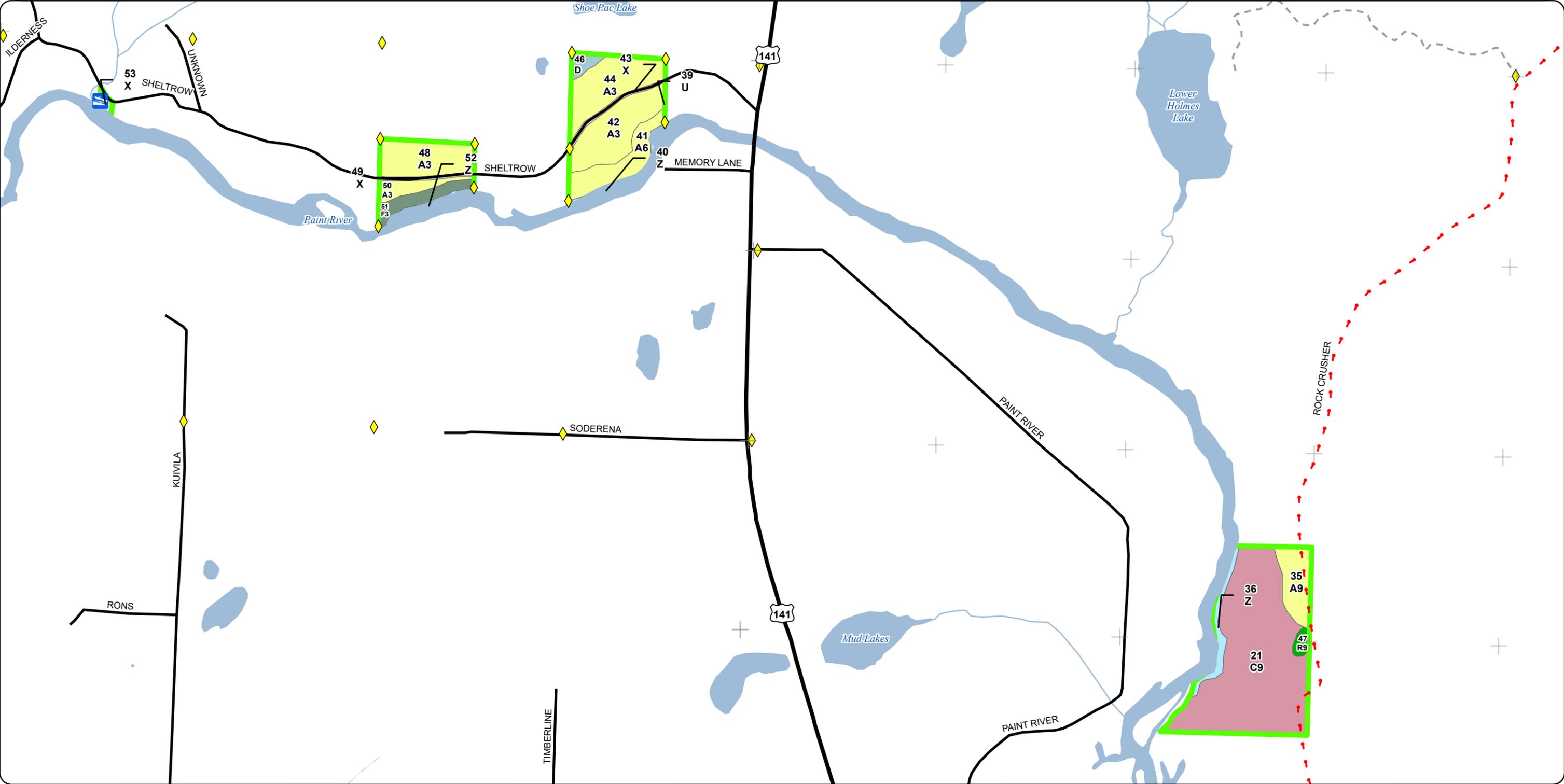
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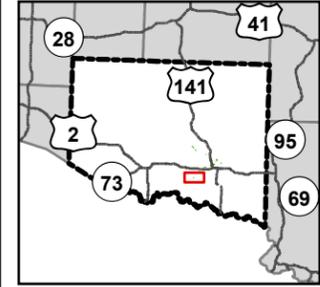


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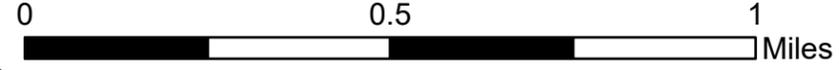




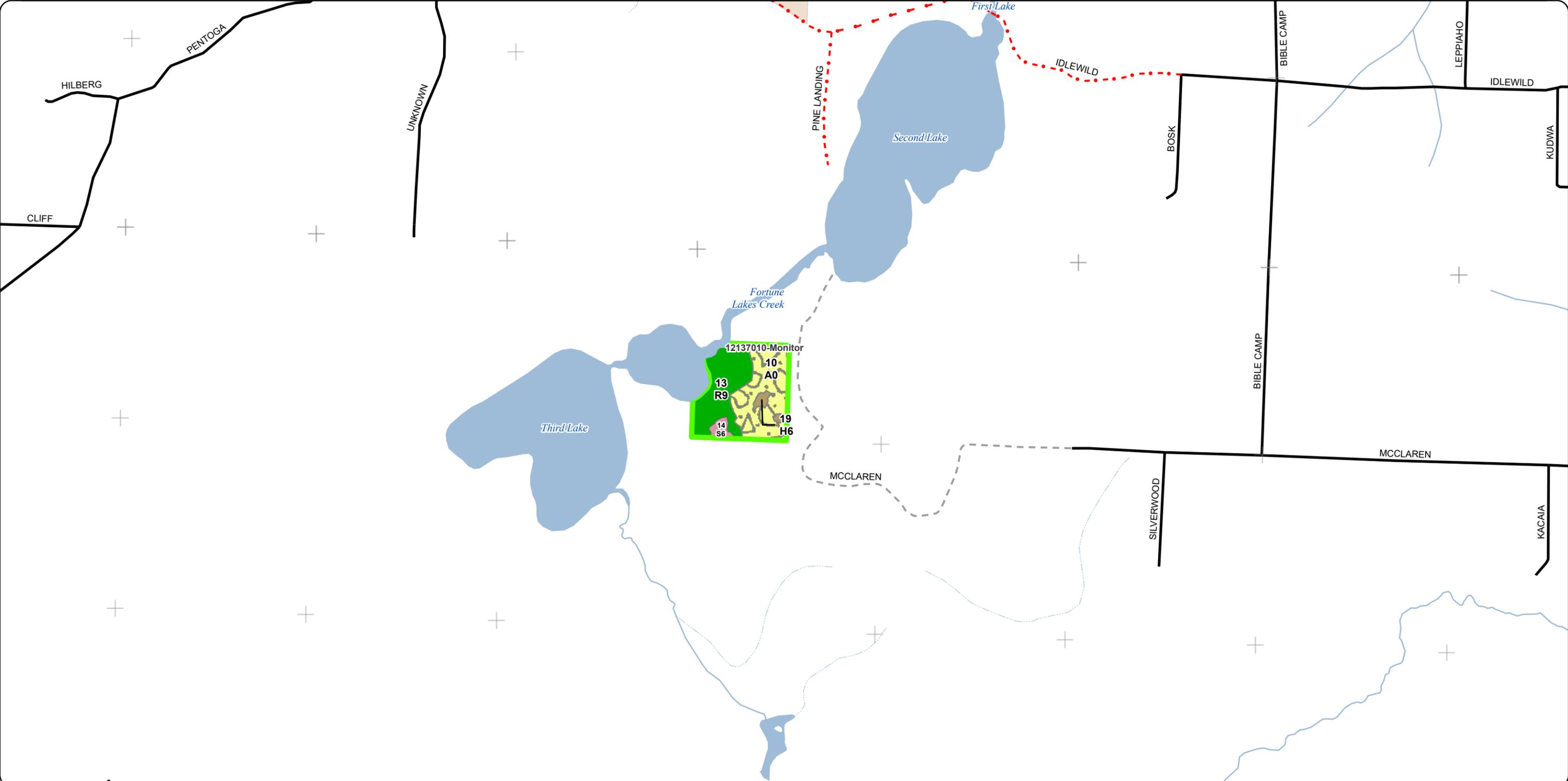
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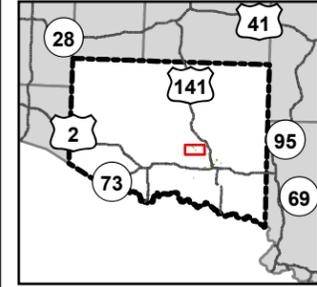
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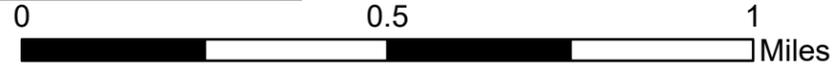
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**Stand Boundary Map**



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+ Remonumented Section Corners

◆ Survey Grade Corners

Boating Access Site

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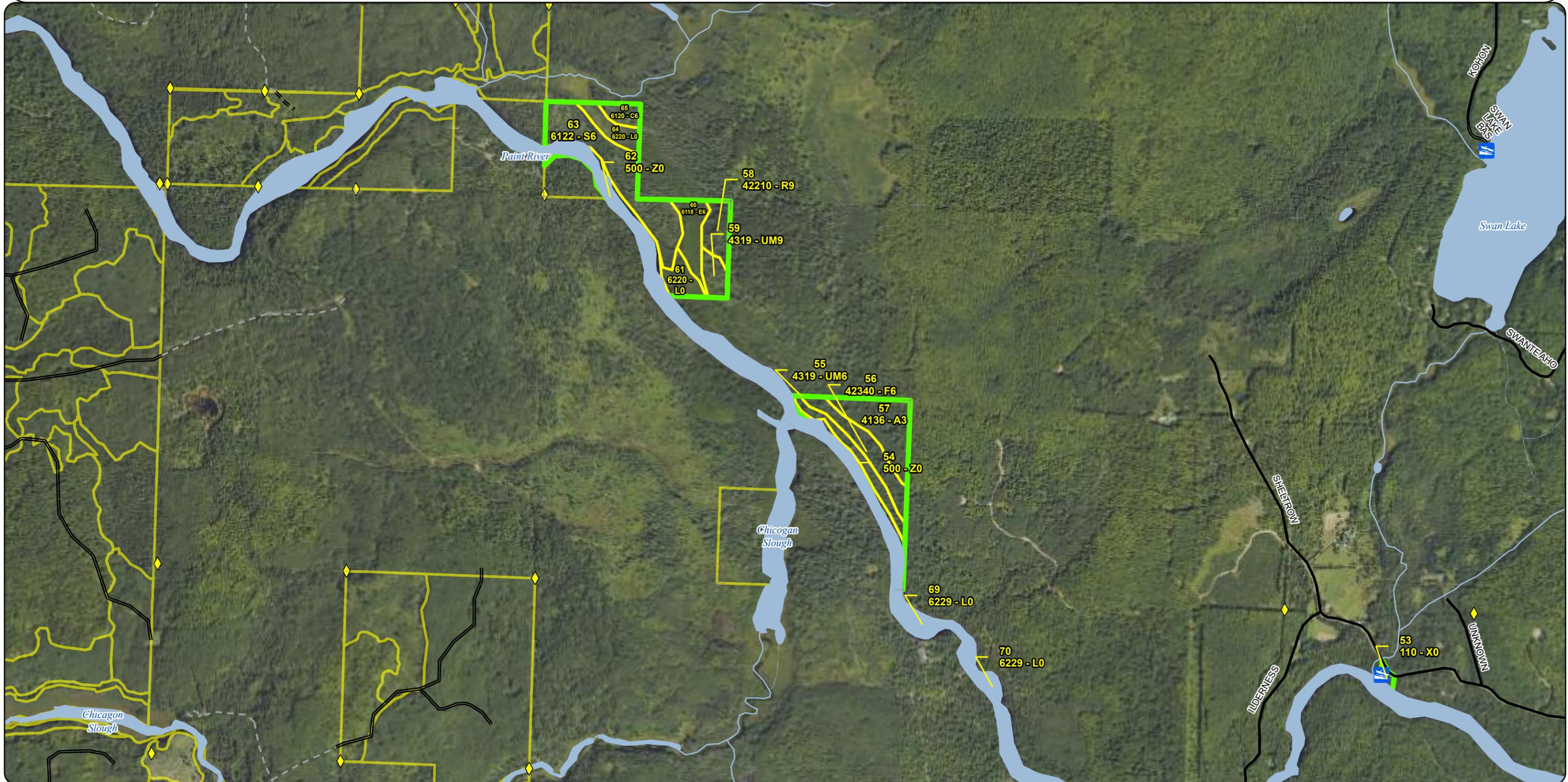
500 - Water

611 - Lowland Deciduous Forest

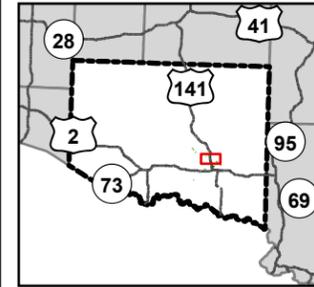
612 - Lowland Coniferous Forest

110 - Low Intensity Urban

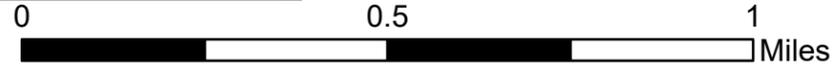
622 - Lowland Shrub



**Stand Boundary Map**



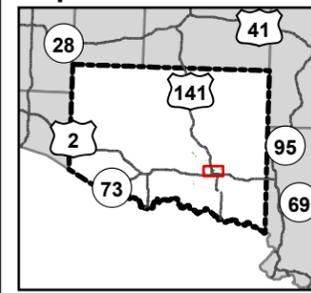
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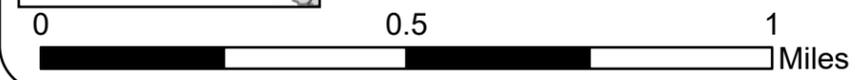
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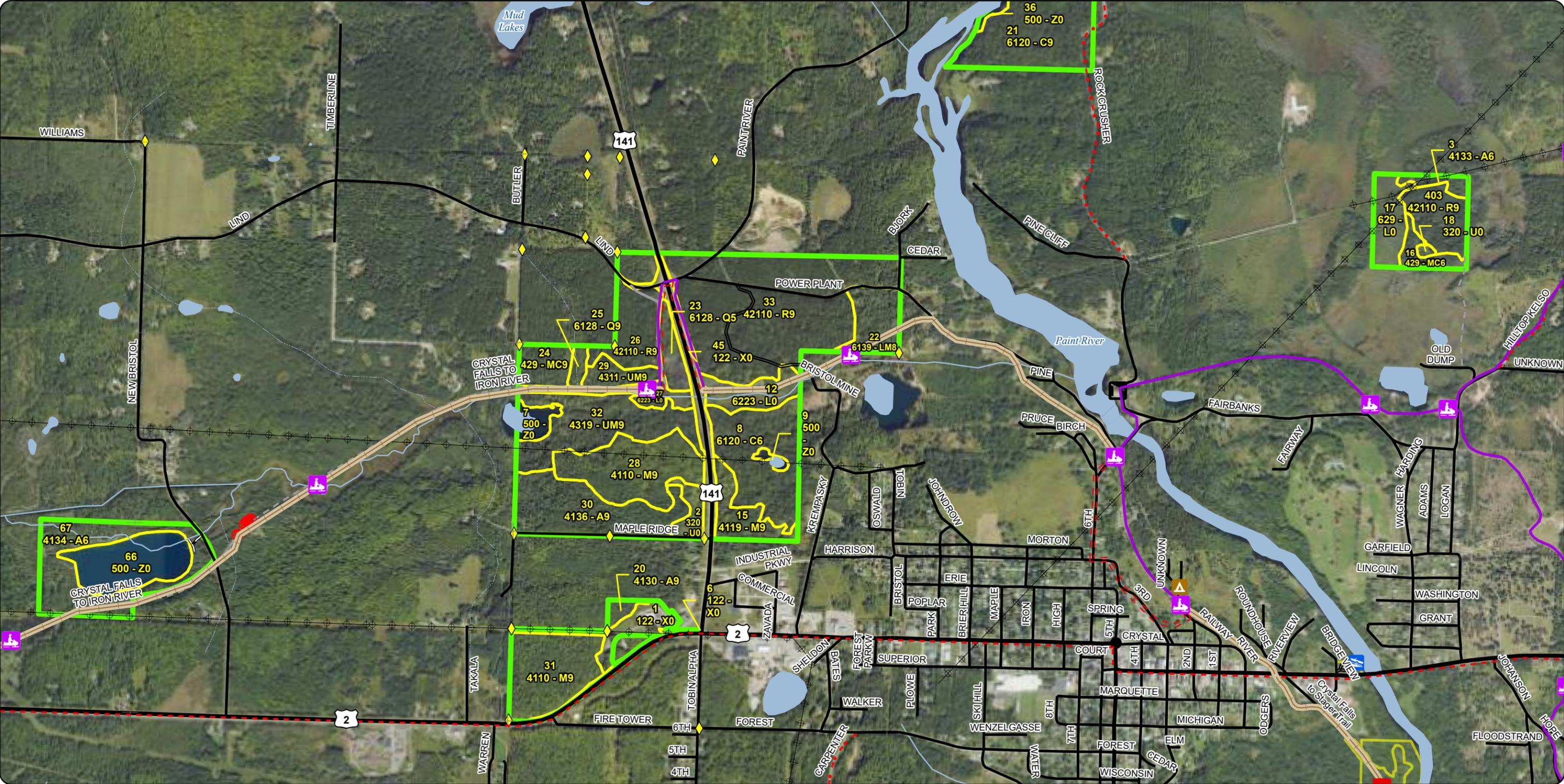
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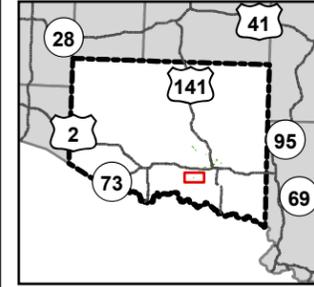
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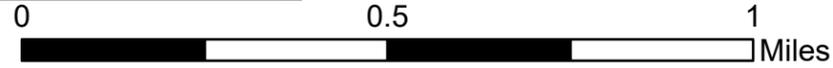
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--- Intermittent Stream

413 - Aspen

— Perennial River

422 - Natural Pines

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■ Lakes and Rivers

430 - Upland Mixed Forest

- - - County - Gravel Road

--- Counties

612 - Lowland Coniferous Forest

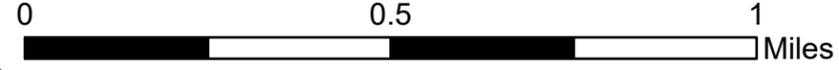
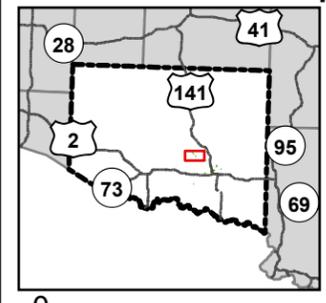
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■ Compartment Boundary

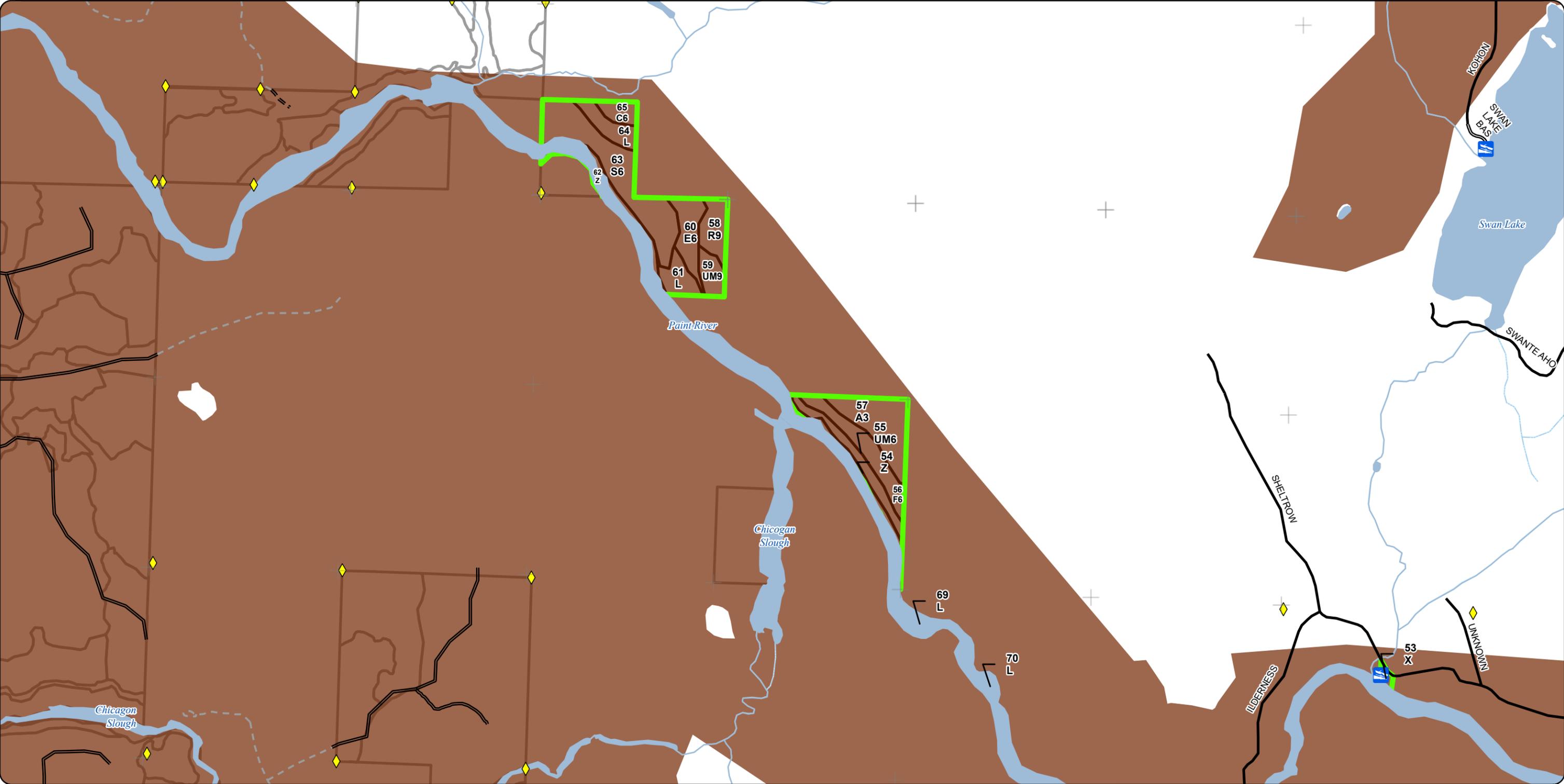


**Special Conservation Areas  
& Site Conditions Map**

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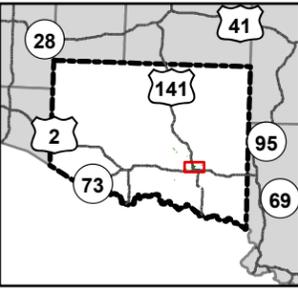
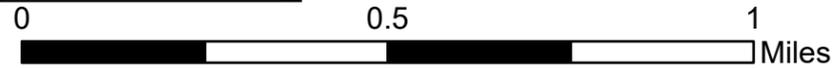
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- ⬜ Stand Boundaries
- 🌊 Cold Water Streams
- 🦌 Deer Winter Range



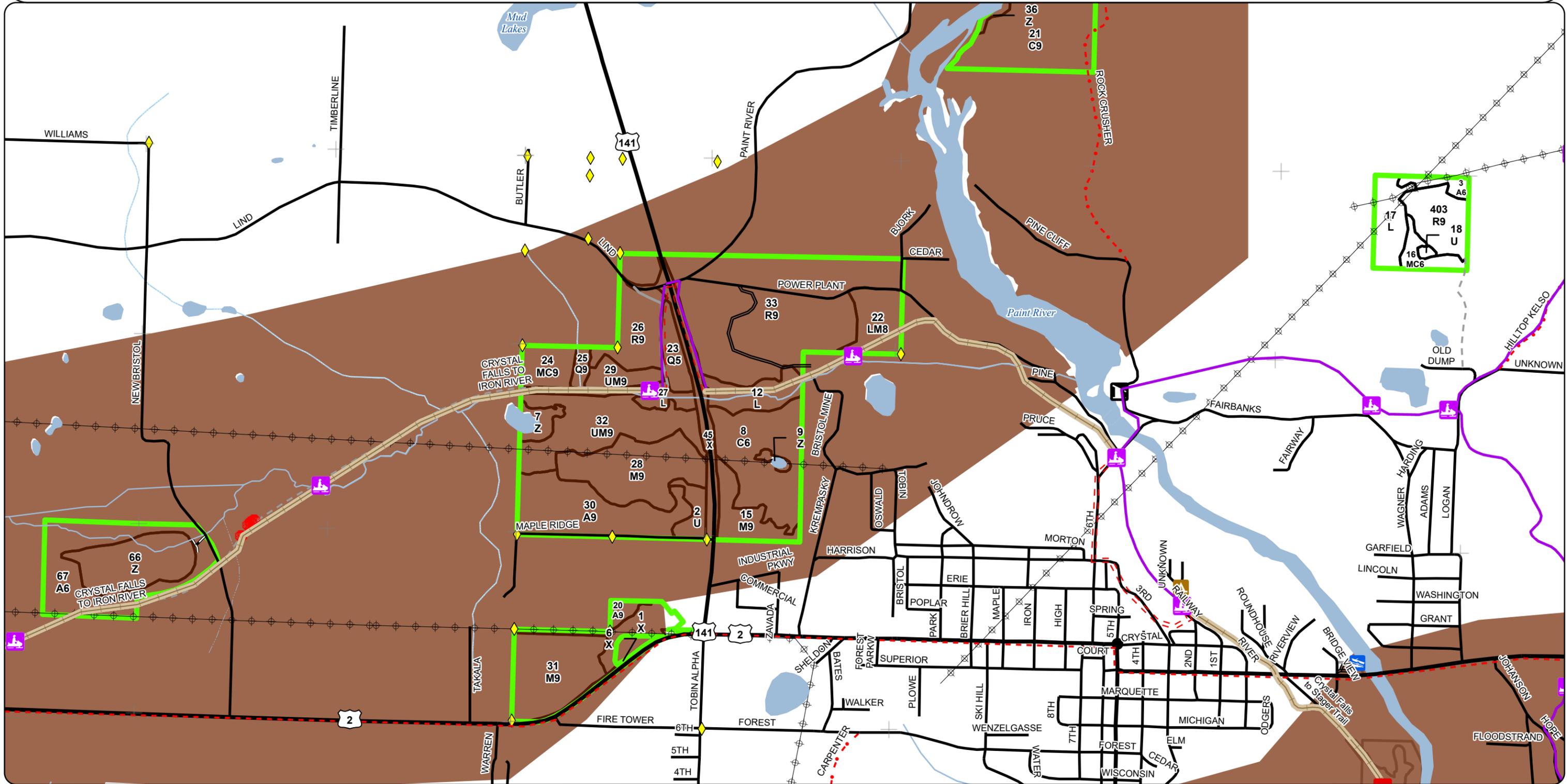


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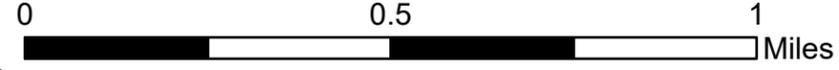
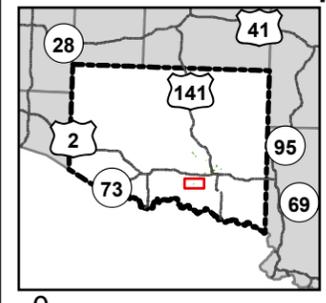


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- ▭ Counties

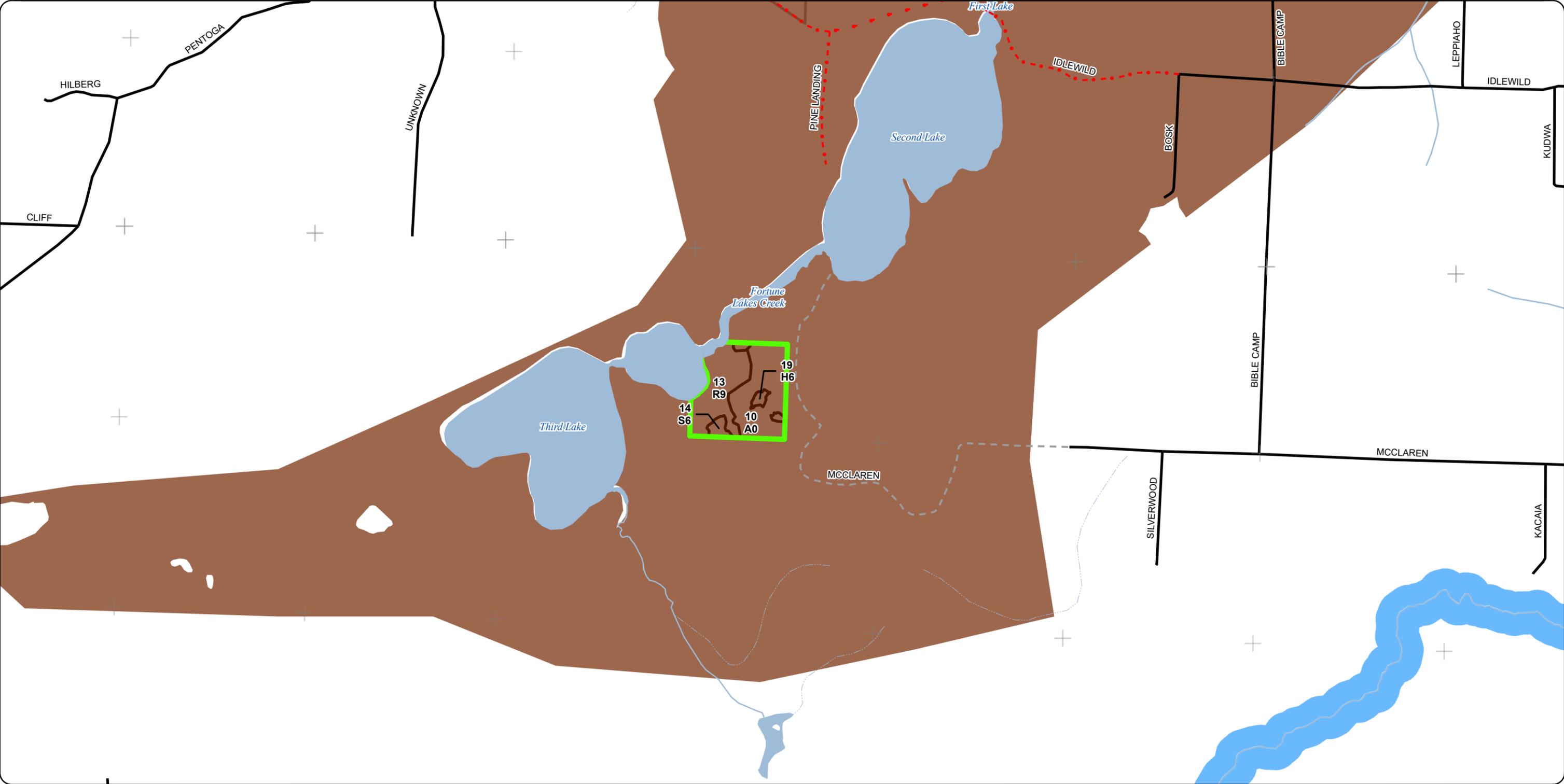


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- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	18	0	32	37	0	0	11	82	0	4	0	0	0	0	0	0	0	0	184
Cedar	0	0	0	0	0	0	0	0	0	36	0	0	72	0	0	0	0	0	108
Hemlock	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lowland Conifers	0	0	0	0	0	0	0	8	0	3	0	0	0	0	0	0	0	0	11
Lowland Deciduous	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Lowland Mixed Forest	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14
Lowland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	2	26	0	0	0	0	0	0	0	28
Northern Hardwood	0	0	0	0	0	0	0	0	0	33	13	0	0	0	0	0	0	29	75
Red Pine	0	0	0	0	0	0	0	132	16	0	0	0	8	0	0	0	0	0	156
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	0	0	0	0	0	43	0	12	0	0	0	0	0	0	0	0	55
Upland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	10	0	0	0	0	0	0	0	0	16
Urban	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Water	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
<b>Total</b>	<b>168</b>	<b>0</b>	<b>32</b>	<b>37</b>	<b>6</b>	<b>0</b>	<b>11</b>	<b>91</b>	<b>213</b>	<b>91</b>	<b>64</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>820</b>



# Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2027

Compartment 137  
Total Compartment Acres: 817

## Acres of Harvest

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

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest/Mgr.	Total Acres
Current	0	0	0	0	0	0	18	0	0	18
Total	0	0	0	0	0	0	18	0	0	18



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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**Approved Treatments:**

10	12137010- Monitor	17.8 4139	- Aspen, Mixed Deciduous	0	1		Monitoring	Monitoring - Regeneration	4221 - Natural Red Pine	Planting Record	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of pine, fir and aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/11/2019</p>											

**Total Treatment  
Acreage Proposed: 0**



**Availability for Management**

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2A	2H	3E	3J
183	134	0	49	Aspen	4		34	11
108	72	0	36	Cedar			36	
1	1	0	0	Hemlock				
0	1	0	0	Low-Density Trees				
10	0	0	10	Lowland Conifers			10	
8	8	0	0	Lowland Deciduous				
14	0	0	14	Lowland Mixed Forest			14	
45	45	0	0	Lowland Shrub				
28	2	0	26	Lowland Spruce/Fir				26
74	0	0	75	Northern Hardwood		29	45	
149	2	0	147	Red Pine	38		110	
2	3	0	0	Treed Bog				
16	0	0	16	Upland Conifers	6		10	
54	4	0	49	Upland Mixed Forest			42	7
7	1	0	6	Upland Shrub			6	
16	0	0	16	Upland Spruce/Fir				16
34	34	0	0	Urban				
60	60	0	0	Water				
809	365		444	Total Forested Acres	48	29	307	60
	45%		55%	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	2A: Adjacent landowner denied access	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2A: Adjacent landowner denied access	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	5F: Evaluated for Forest Health Considerations	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit  
Tyler Ritchie: Examiner

Compartment: 137  
Year of Entry: 2027



9	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> multiple logging issues: no room for decking and hauling due to DNR parking lot, low overhead powerlines, and sewer line. Any spur to US2 is dangerously on a curve. Interpretive trail is throughout the stand							
13	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)</b>	87	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit  
Tyler Ritchie: Examiner

Compartment: 137  
Year of Entry: 2027



16	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit  
Tyler Ritchie: Examiner

Compartment: 137  
Year of Entry: 2027



21	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**Report 4 – Site Conditions**

**Crystal Falls Mgt. Unit**  
**Tyler Ritchie: Examiner**

**Compartment: 137**  
**Year of Entry: 2027**



26	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	8	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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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	122 - Road/Parking Lot	Unspecified	10.8			No	DNR office and garages and parking areas
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2	320 - Upland Shrub	Unspecified	5.8			No	
---	--------------------	-------------	-----	--	--	----	--

Sub-Canopy Species	Density	Avg. Height	Size
Barberry	Low	5 - 10 feet	5 - 10 feet
Honeysuckle (spp.)	Low	5 - 10 feet	5 - 10 feet
Apple (spp.)	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Buckthorn	High	5 - 10 feet	5 - 10 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet

3	4133 - Aspen, Mixed Pine	Poletimber Well	4.0	86	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5		10	
Balsam Fir	10		10	
Paper Birch	5	Sapling	6	
Red Pine	15		10	
Quaking Aspen	55		10	86
White Spruce	5		10	
Northern White Cedar	5		10	

6	122 - Road/Parking Lot	Unspecified	3.1			No	
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7	500 - Water	Unspecified	5.4			No	
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8	6120 - Lowland Cedar	Poletimber Well	36.1	85	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5		10	85	Buckthorn	Medium	5 - 10 feet	5 - 10 feet
Sugar Maple	5	Seedling	6					
Red Maple	5	Seedling	6					
Paper Birch	5	Seedling	8					
Bigtooth Aspen	5		12	85				
Black Cherry	5	Seedling	8					
Northern White Cedar	70	Seedling	8	85				

9	500 - Water	Unspecified	1.5			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
10	4139 - Aspen, Mixed Deciduous	Unspecified	17.8	1			No legal access.																																																														
12	6223 - Inundated Shrub Swamp	Unspecified	12.4			No	Brier Hill Creek and surrounding wetland																																																														
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Northern White Cedar	Low	5 - 10 feet	5 - 10 feet																																																																		
13	42210 - Natural Red Pine	Sawtimber Well	15.6	86	111-140	N/A	No legal access.																																																														
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14	6122 - Black Spruce	Poletimber Well	2.1	86	51-80	N/A	No legal access																																																														
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15	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.7	95	51-80	N/A																																																															
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Sub-Canopy Species	Density	Avg. Height	Size																																																																		
Black Spruce	Low	< 5 feet	< 5 feet																																																																		
17	629 - Mixed non-forested Wetland	Unspecified	12.5			No																																																															
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Tamarack	Low	5 - 10 feet	5 - 10 feet																																																																		
18	320 - Upland Shrub	Unspecified	0.8			No																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**19** 4312 - Hemlock, Mixed Deciduous Poletimber Well 1.2 66 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5		10		Balsam Fir	Medium	Variable	Variable
Quaking Aspen	5		10	66				
Red Oak	20		8	66				
Hemlock	45		8	66				
Balsam Fir	5		6					
Red Maple	10		6	66				
Paper Birch	10		8					

**20** 4130 - Aspen Sawtimber Well 2.7 61 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	80		12	61	Sugar Maple	Medium	>20 feet	>20 feet
Sugar Maple	10		10					
White Spruce	10	Seedling	8					

**21** 6120 - Lowland Cedar Sawtimber Well 68.4 115 201+ N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2		18		Northern White Cedar	Low	< 5 feet	< 5 feet
Red Pine	3		18					
Black Ash	10	Seedling	8					
Yellow Birch	2	Seedling	8					
Quaking Aspen	20		10					
Paper Birch	8	Seedling	8					
Black Spruce	2	Seedling	8					
Northern White Cedar	53	Seedling	8	115				

**22** 6139 - Mixed Lowland Forest Sawtimber Medium 14.0 71 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Seedling	8		White Pine	Medium	10 - 20 feet	10 - 20 feet
Black Cherry	10	Pole	4					
Balsam Fir	10		10					
Tamarack	10	Seedling	8					
Quaking Aspen	40		10	71				
White Spruce	5		10					
Black Spruce	20	Seedling	6					

OPIC - FMD: This land is undivided interest and the Bristol mine is to the south. this area of the stand has some smaller diameter trees.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**23** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 7.5 75 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10		18	
Northern White Cedar	20	Sapling	6	
Red Maple	15	Seedling	8	
Paper Birch	10		10	
Tamarack	45		10	75

**24** 429 - Mixed Upland Conifers Sawtimber Well 9.6 75 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20		10		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	10		10		Red Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	10		12	81	White Spruce	Low	5 - 10 feet	5 - 10 feet
Red Pine	40		10	75				
Red Maple	10	Seedling	8					
Paper Birch	10	Seedling	8					

**25** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 2.8 90 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10		10	
White Pine	10		16	
Red Maple	15	Sapling	6	
Black Ash	5	Sapling	6	
White Spruce	5		8	
Northern White Cedar	35		8	90
Hemlock	5		14	
Quaking Aspen	15		8	

**26** 42110 - Planted Red Pine Sawtimber Well 22.9 75 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5		10	
Jack Pine	3		10	
Red Maple	5	Seedling	8	
Paper Birch	2	Seedling	8	
Red Pine	85		10	75

**27** 6223 - Inundated Shrub Swamp Unspecified 8.7 No This is the wetland along Brier Hill Creek

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	50	Log	4		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	50	Log	4	30				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>28</b>	4110 - Sugar Maple Association	Sawtimber Well	32.7	85	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	1		10	
Basswood	5		14	
White Ash	15		14	
American Elm	1		12	
Sugar Maple	60		10	85
Paper Birch	2		10	
Green Ash	6		14	
Yellow Birch	5		10	
Hemlock	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	5 - 10 feet	5 - 10 feet

<b>29</b>	4311 - Pine, Aspen Mix	Sawtimber Well	7.1	75	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	30		10	
Red Maple	15	Seedling	8	
Quaking Aspen	40		10	75
Red Pine	10		10	75
Northern White Cedar	5	Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	< 5 feet

<b>30</b>	4136 - Aspen, Mixed Conifer	Sawtimber Well	34.3	61	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5		12	
Northern White Cedar	15		10	
Sugar Maple	5	Seedling	6	
Red Maple	10	Sapling	6	
Paper Birch	10		10	
Yellow Birch	5	Seedling	8	
Quaking Aspen	40		12	61
Balsam Fir	10		10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Apple (spp.)	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Medium	< 5 feet	< 5 feet
American Fly Honeysuckle	High	5 - 10 feet	5 - 10 feet

<b>31</b>	4110 - Sugar Maple Association	Sawtimber Well	29.2	111	111-140	N/A	This stand has much regeneration and the basal area averages 110 but could have a light thinning because of all the large size logs in the stand. There will be some damage of the understory because it is so pronounced in the stand
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Canopy Species	% Cover	Size Class	DBH	Age
Basswood	2		14	
Black Cherry	2		10	
Sugar Maple	30	Seedling	8	51
Sugar Maple	66		14	111

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32** 4319 - Mixed Upland Forest Sawtimber Well 35.8 71 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	6	
Sugar Maple	5		12	
Quaking Aspen	50		14	71
Black Spruce	10	Sapling	6	
Northern White Cedar	25		10	

**33** 42110 - Planted Red Pine Sawtimber Well 93.2 71 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	3		10	
Red Pine	95		14	71
Quaking Aspen	2		10	

**35** 4133 - Aspen, Mixed Pine Sawtimber Well 9.8 66 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2		14		Balsam Fir	Low	< 5 feet	< 5 feet
Quaking Aspen	60		10	66	Northern White Cedar	Low	< 5 feet	< 5 feet
Balsam Fir	10	Sapling	6					
Red Maple	3		8					
Red Pine	18		18					
Black Spruce	2	Seedling	6					
Northern White Cedar	5		10					

**36** 500 - Water Unspecified 5.6 No The Paint River

**39** 3303 - Mixed Low Density Trees Unspecified 0.5 No

**40** 500 - Water Unspecified 4.0 No The Paint River

**41** 4136 - Aspen, Mixed Conifer Poletimber Well 11.4 51 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15		16		White Spruce	Low	< 5 feet	< 5 feet
Quaking Aspen	65		8	51	Black Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	5	Sapling	6		Balsam Fir	Low	< 5 feet	< 5 feet
White Spruce	10		10					
Hemlock	5		10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
42	4134 - Aspen, Spruce/Fir	Sapling Well	17.7	26	1-50	N/A																																									
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44	4130 - Aspen	Sapling Well	17.0	16	1-50	N/A																																									
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47	42210 - Natural Red Pine	Sawtimber Well	1.7	111	171-200	N/A																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>51</b>	42340 - Upland Spruce/Fir	Sapling Well	6.0	36	51-80	N/A																																						
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<b>52</b>	500 - Water	Unspecified	2.9			No	The Paint river
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<b>53</b>	110 - Low Intensity Urban	Unspecified	1.1			No	Access to the Paint river. Ericksons landing
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<b>54</b>	500 - Water	Unspecified	5.6			No	The Paint river
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<b>55</b>	4319 - Mixed Upland Forest	Poletimber Well	7.1	95	81-110	N/A																																																								
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<b>56</b>	42340 - Upland Spruce/Fir	Poletimber Well	10.3	95	81-110	N/A	This is the buffer for the Paint River																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>57</b>	4136 - Aspen, Mixed Conifer	Sapling Well	14.6	25	Unspecified	N/A																																																																
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White Spruce	10	Log	1	25																																																																		
Red Pine	2		14	115																																																																		
<b>58</b>	42210 - Natural Red Pine	Sawtimber Well	6.5	115	111-140	N/A																																																																
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Quaking Aspen	2		10	85																																																																		
Paper Birch	3	Seedling	8	65																																																																		
<b>59</b>	4319 - Mixed Upland Forest	Sawtimber Well	4.4	95	51-80	N/A	This could be cut but would not be worth the long distance in and the trouble going through so much private land.																																																															
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Paper Birch	10		10																																																																			
Quaking Aspen	40		12	95																																																																		
<b>60</b>	6118 - Lowland Deciduous with Cedar	Poletimber Well	7.7	65	81-110	N/A																																																																
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<b>61</b>	6220 - Alder/Willow	Unspecified	5.2			No																																																																
<b>62</b>	500 - Water	Unspecified	9.6			No	The Paint river																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**63** 6122 - Black Spruce Poletimber Well 25.5 95 81-110 N/A Buffer along the Paint.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5		10		Balsam Fir	Low	< 5 feet	< 5 feet
White Pine	5		10		Black Spruce	Low	< 5 feet	< 5 feet
Black Ash	20	Seedling	6					
Black Spruce	50	Seedling	8	95				
Balsam Fir	15	Seedling	8					
Paper Birch	5	Seedling	8					

**64** 6220 - Alder/Willow Unspecified 5.4 No

**65** 6120 - Lowland Cedar Poletimber Well 3.4 115 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	70		10	115	Balsam Fir	Low	< 5 feet	< 5 feet
Black Ash	20	Seedling	6	65	Black Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	10	Seedling	8	55				

**66** 500 - Water Unspecified 25.1 No Fortune pond

**67** 4134 - Aspen, Spruce/Fir Poletimber Well 34.9 61 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	17	Sapling	6		White Pine	Medium	10 - 20 feet	10 - 20 feet
Paper Birch	3	Log	4		Balsam Fir	High	10 - 20 feet	10 - 20 feet
Quaking Aspen	75		8	61				
White Spruce	5	Seedling	6					

**69** 6229 - Mixed Lowland Shrub Unspecified 0.5 No

**70** 6229 - Mixed Lowland Shrub Unspecified 0.4 No

**403** 42110 - Planted Red Pine Sawtimber Well 15.4 71 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5		10		Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Pine	85		16	71	Red Oak	Low	5 - 10 feet	5 - 10 feet
Black Spruce	5	Seedling	8					
Quaking Aspen	5		10					