



# Compartment Review Presentation

## Crystal Falls Forest Management Unit

Compartment 12147

Entry Year 2024

Acreage: 2,012

County Iron

Management Area: Michigamme Reservoir

**Stand Examiner:** Scott Sebero

### Legal Description:

T43N, R31W, Sec. 5, 6, 7, 8, 9, 16, 17

T44N, R31W, Sec. 32.

### Identified Planning Goals:

Our management goals in this compartment are to develop age class distribution in aspen types, maintain health of conifer types and increase acreage where possible, and to develop the quality while maintaining diversity in hardwood types.

### Soil and topography:

Land is nearly level to hilly with a mix of Sarona soils that are excessively drained to well-drained, loamy and sandy soils on ground moraines and end moraines and Cathro soils that are irregular depressions within these moraines that are poorly drained black muck.

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

Ownership patterns in this compartment consist mostly of State lands and WE Energies with some small private parcels and hunting camps. Lands in and around this compartment are used mainly for hunting and managed for forest products.

### Unique Natural Features:

The Michigamme River and Clarks Creek. The Michigamme Reservoir borders the compartment.

### Archeological, Historical, and Cultural Features:

### Special Management Designations or Considerations:

### Watershed and Fisheries Considerations:

Waterbodies include Clarks Creek and the Michigamme River. Clarks Creek is a designated Type 1 trout stream and a 300' buffer is recommended in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope.

### Wildlife Habitat Considerations:

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

No known potential exists for commercial oil & gas production in this part of the state. The nearest active sand/gravel pit is several miles away. Bedrock is at or very near the surface in places across the compartment. In this region, former mine tailings are often a good source of aggregate, but there are no abandoned mine sites within the compartment. Potential for sand & gravel within the compartment may be limited. As noted above, no past iron ore production occurred within the compartment, but former mine sites are just to the south and southwest. An iron-bearing member of the Hemlock Formation is known to subcrop in this area, and high-quality iron ore was produced from this unit at the Mansfield Mine just southwest of the compartment. Two additional iron ore prospects have been documented in Sec 17, but one was noted to have low-grade hematite. Other metallic mineral exploration has occurred within the compartment, but no significant mineral occurrences have been documented. Nevertheless, there may still be potential for metallic and/or critical minerals beneath the compartment. No current state mineral leasing activity exists in the compartment or surrounding area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

### Vehicle Access:

Access is from Way Dam Road, Kopf's Road and connected woods roads.

### Survey Needs:

**Recreational Facilities and Opportunities:**

**Fire Protection:**

**Additional Compartment Information:**

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

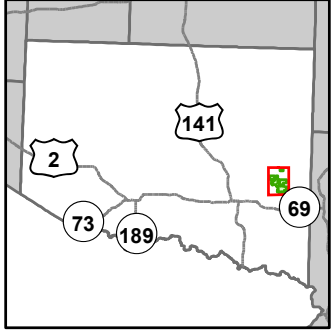
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

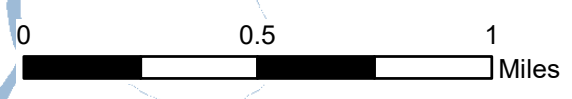
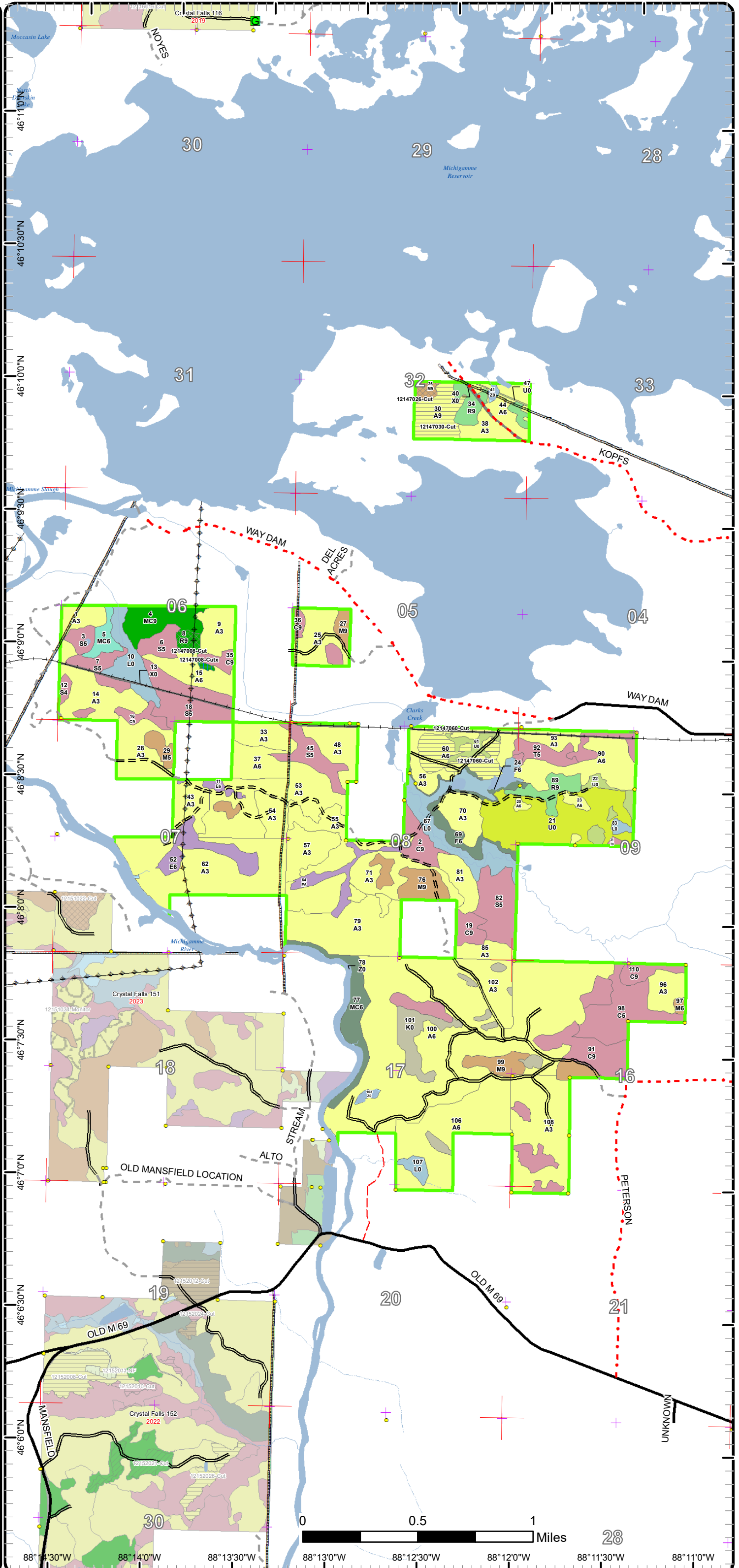
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 147  
 T43N, R31W, Sec. 5-9, 16, 17  
 T44N, R31W, Sec. 32  
 County: Iron  
 Unit: Crystal Falls  
 Mgmt Area: Michigamme  
 Reservoir  
 YOE: 2024  
 Acres: 2011.6 GIS Calculated  
 Examiner: Scott Sebero  
 Map Revised: 11/18/2022  
 Map Phase: Post-Review



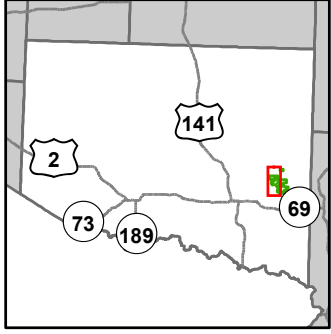
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 720 - Exposed Rock



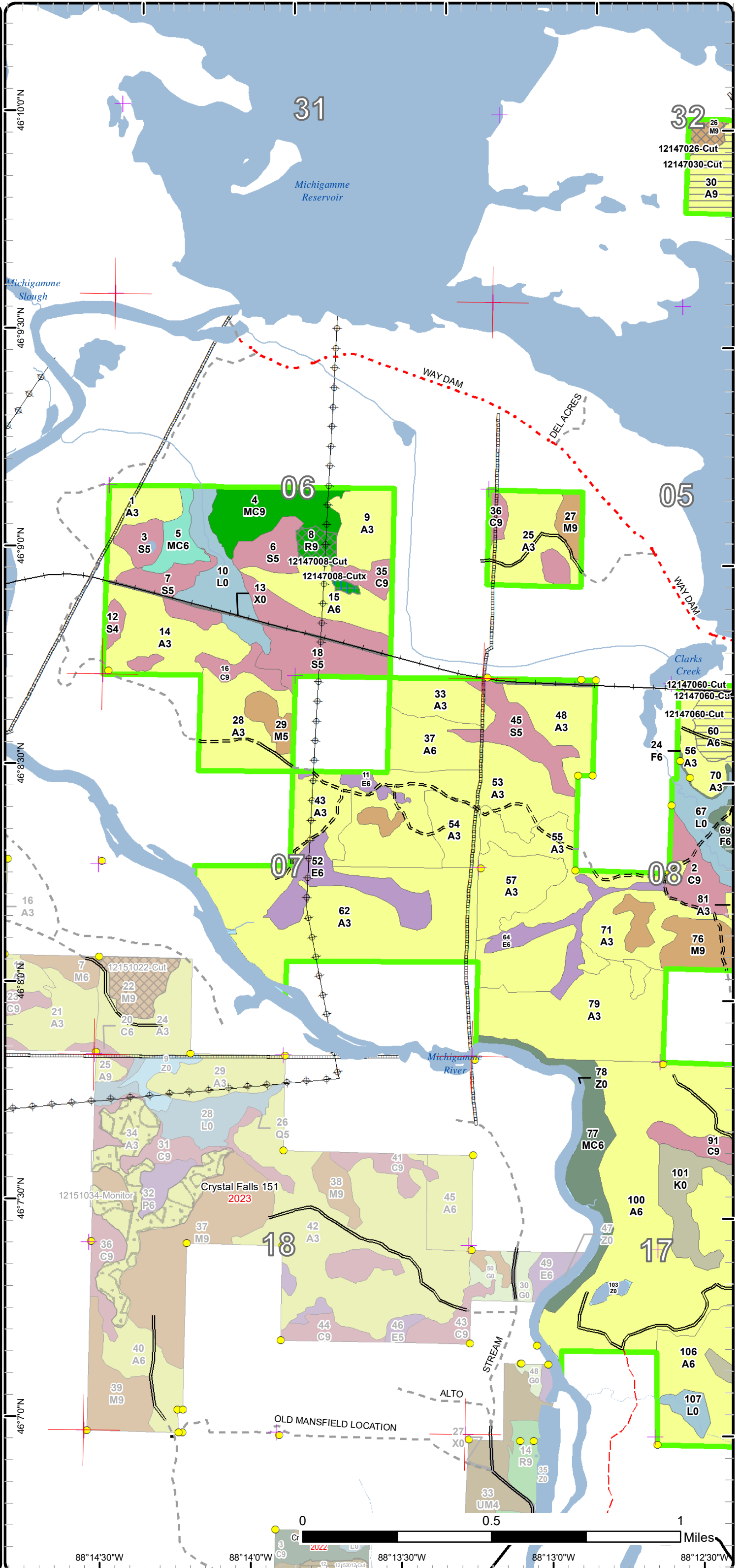
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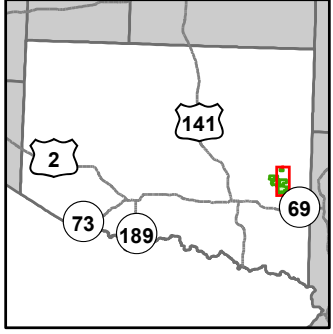
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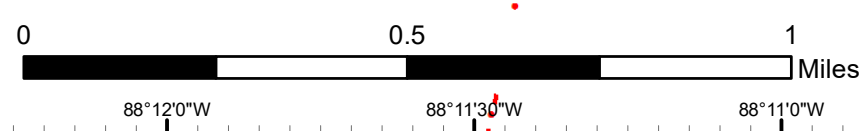
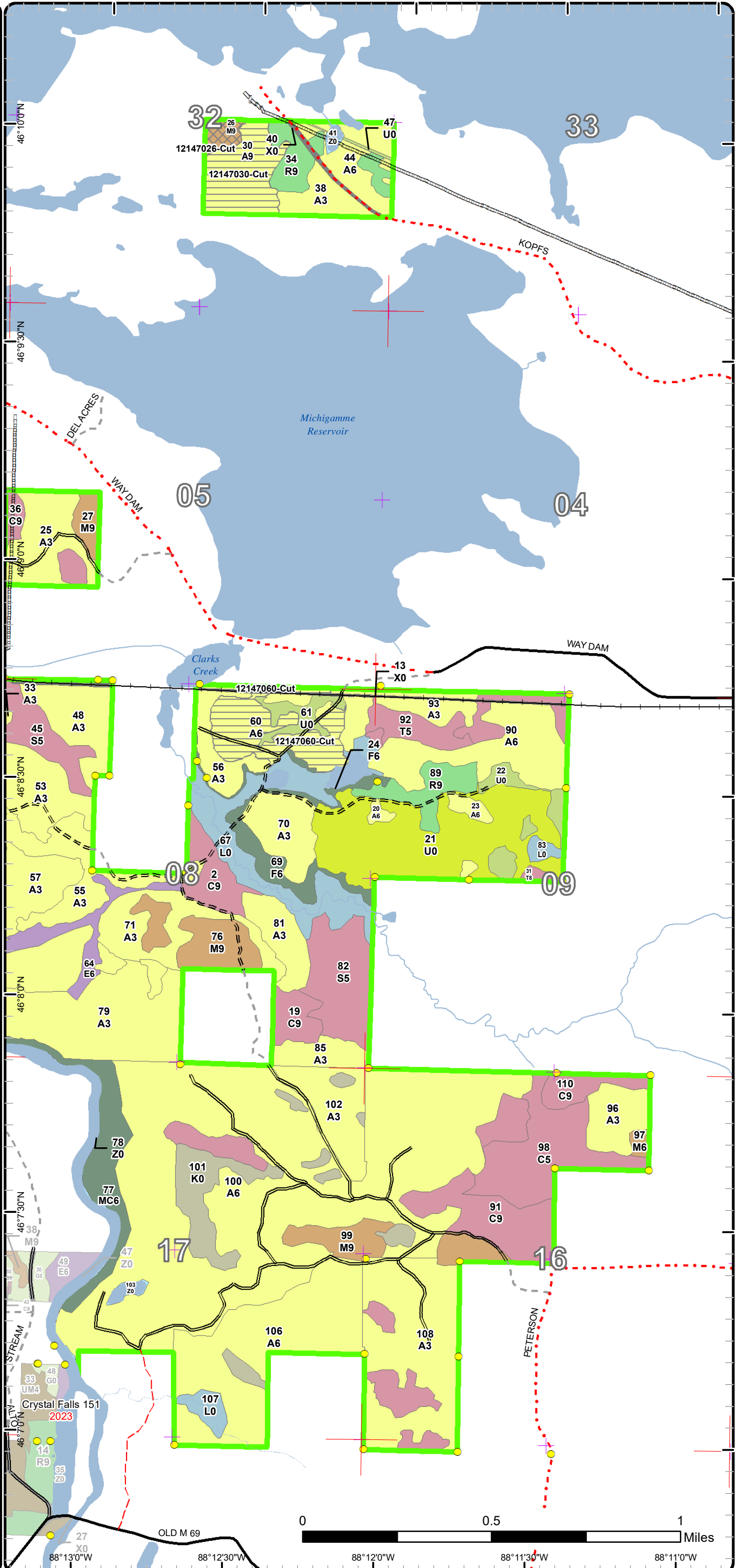
88°14'30"W      88°14'0"W      88°13'30"W      88°13'0"W      88°12'30"W

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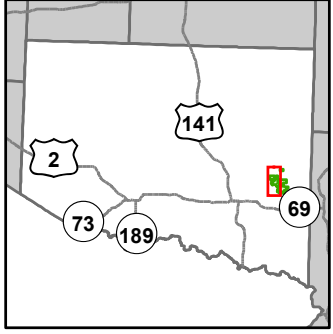


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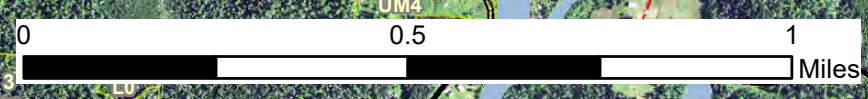
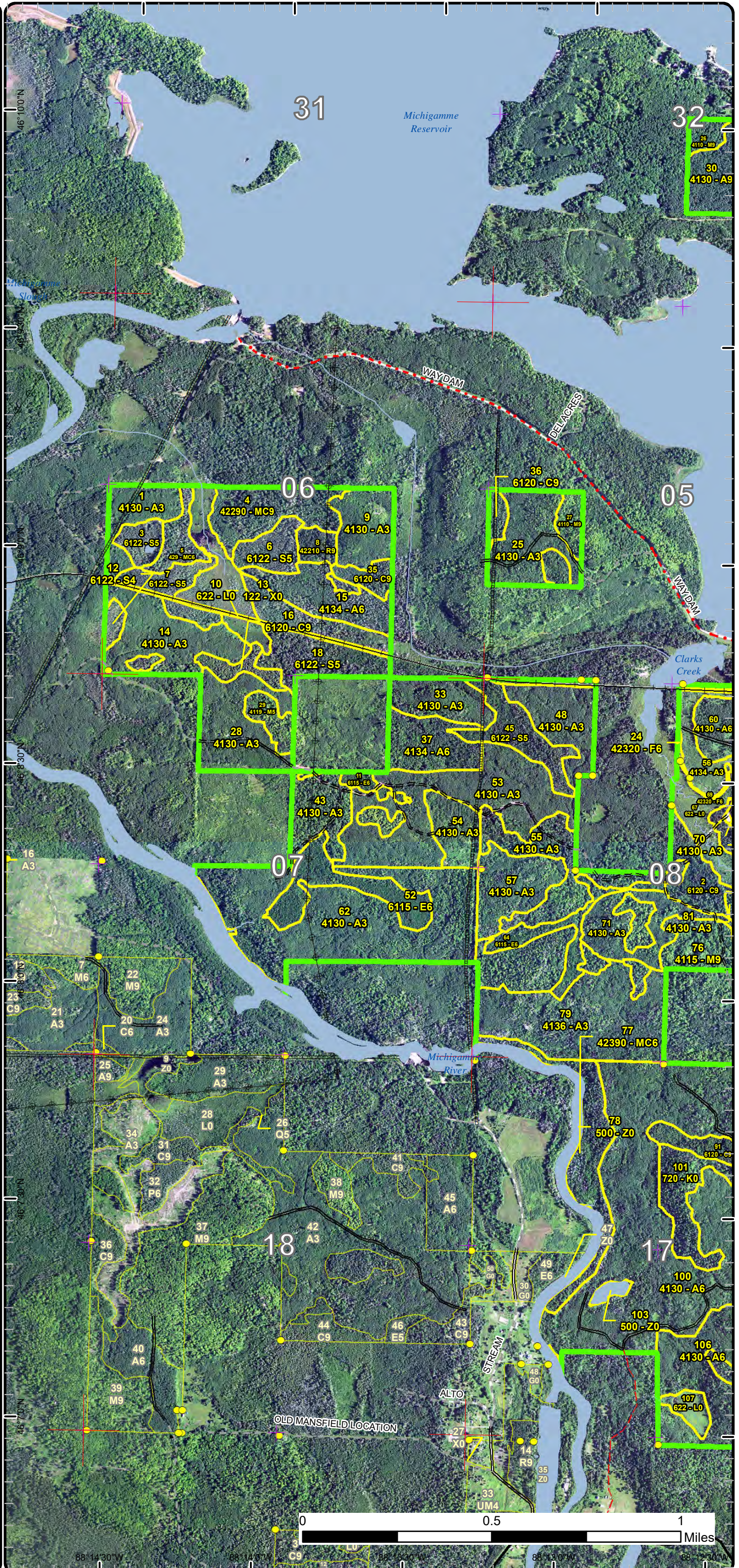


# Stand Boundary Map

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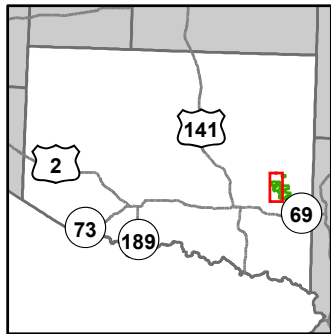


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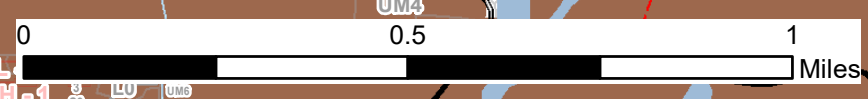
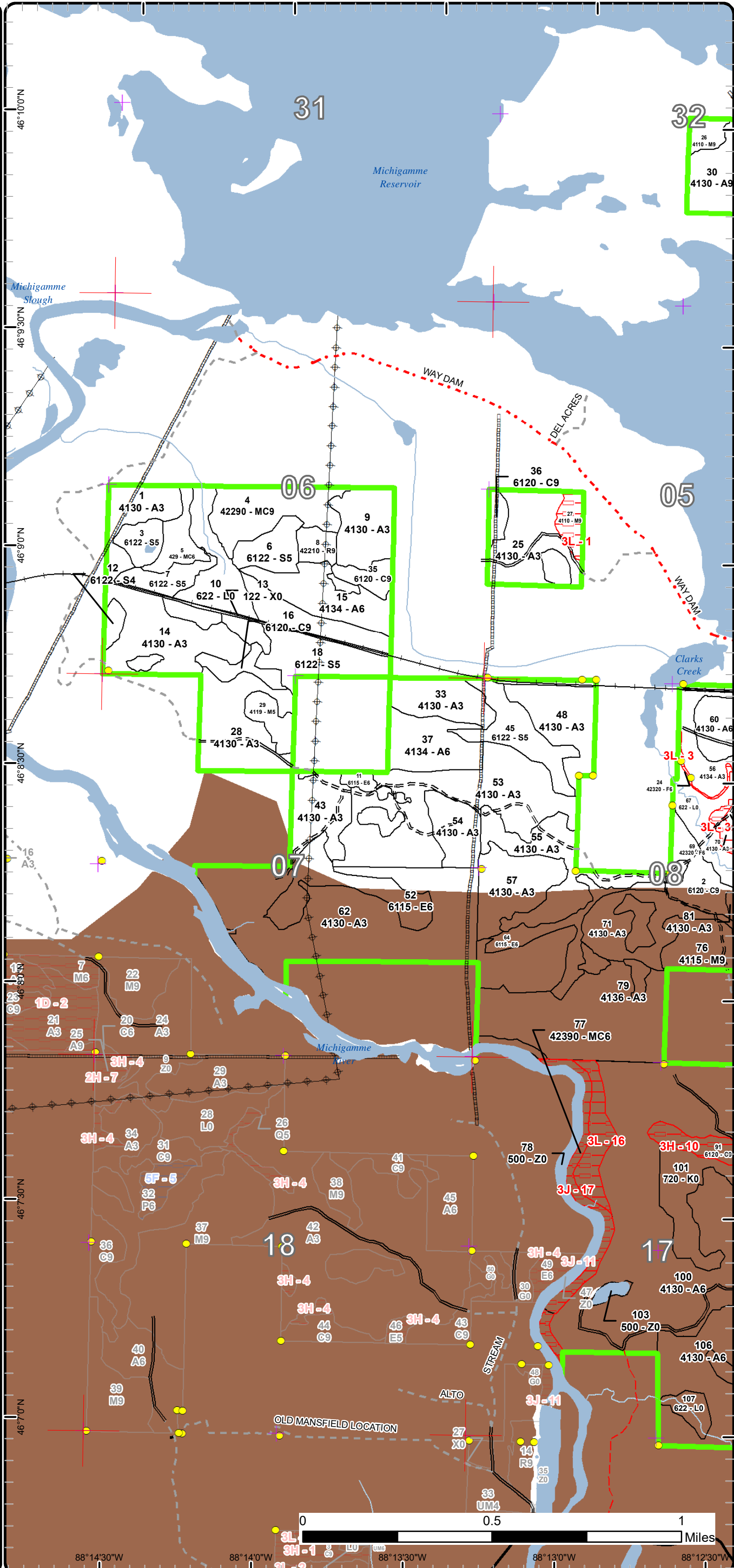


# Special Conservation Areas

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- Compartment Boundary
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range

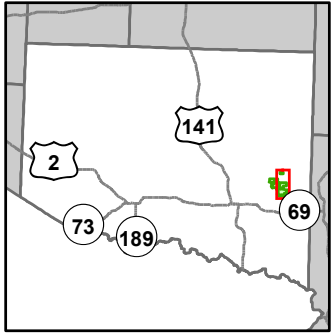


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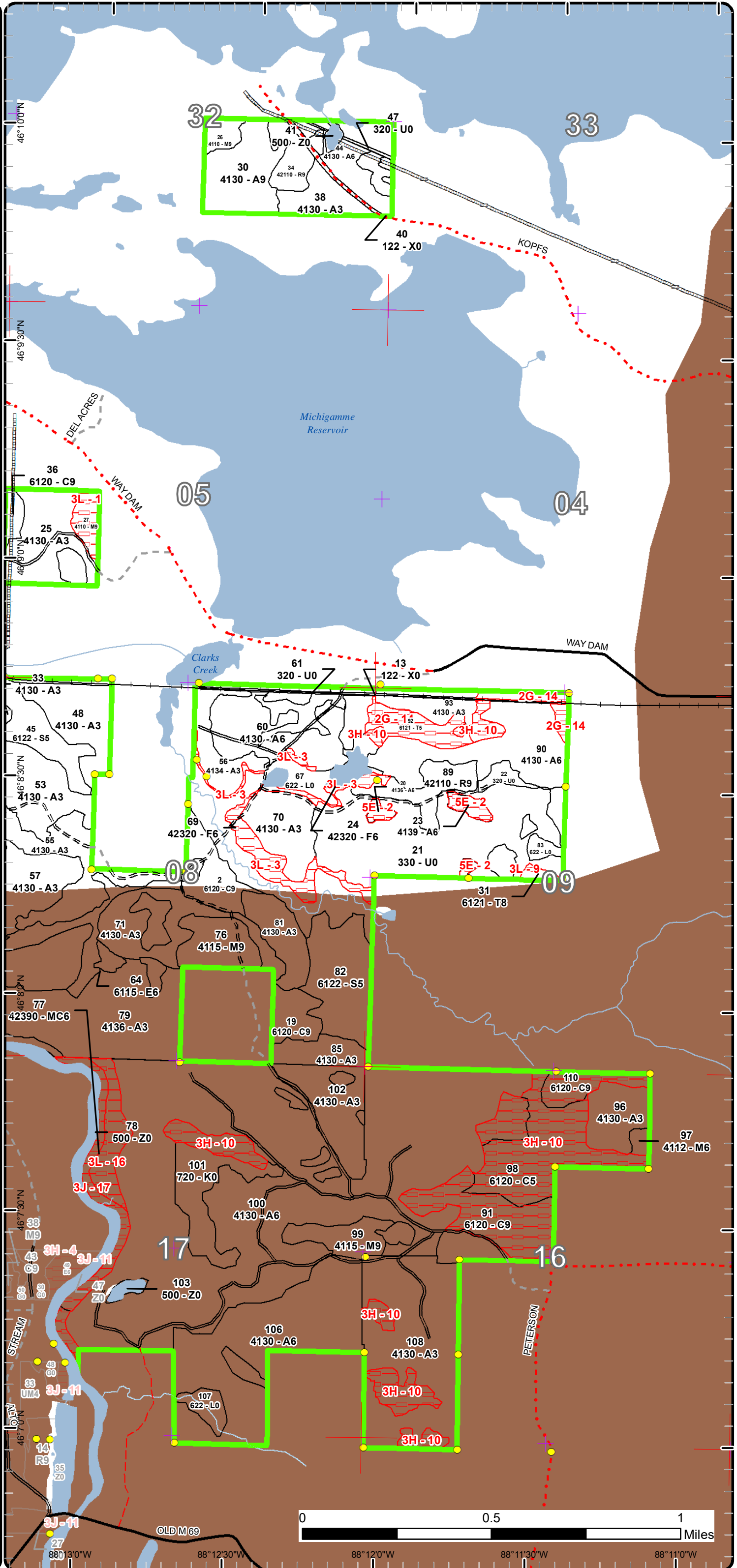


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- Swamp
- Lakes and Rivers
- Pipeline
- ▭ Compartment Boundary
- ▭ Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- ▭ 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	235	98	772	58	52	31	0	0	0	0	0	0	0	0	0	0	0	1246
Cedar	0	0	0	0	0	0	0	0	0	0	116	38	0	8	0	0	0	0	162
Exposed Rock	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Low-Density Trees	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Lowland Deciduous	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	41
Lowland Shrub	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	122	0	0	0	0	0	0	0	0	0	122
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	0	0	0	0	0	0	0	0	11	22	33	0	0	0	0	0	0	66
Red Pine	0	0	0	0	0	0	28	0	7	0	0	0	0	0	0	0	0	0	35
Tamarack	0	0	0	0	0	0	0	0	0	2	18	0	0	0	0	0	0	0	20
Upland Conifers	0	0	0	0	0	0	9	0	0	0	0	28	0	0	0	0	0	0	37
Upland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Spruce/Fir	0	0	0	0	0	0	0	0	8	12	0	0	0	0	0	0	0	0	20
Urban	12	0	0	0	0	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>237</b>	<b>235</b>	<b>98</b>	<b>772</b>	<b>58</b>	<b>52</b>	<b>68</b>	<b>0</b>	<b>178</b>	<b>51</b>	<b>156</b>	<b>99</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2011</b>



## Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2024

Acres of Harvest

Compartment 147  
Total Compartment Acres: 2,012

Commercial Harvest - 68  
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	56	0	0	0	0	0	0	0	0	56
Northern Hardwood	0	5	0	0	0	0	0	0	0	5
Red Pine	0	6	0	1	0	0	0	0	0	7
<b>Total</b>	<b>56</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	68	0	0	0	0	0	0	0	0	68
Next Step	0	1	0	0	0	0	68	0	0	70
<b>Total</b>	<b>68</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>138</b>



Stand Name	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>8</b>	<b>12147008-Cut</b>	5.8	42210 - Natural Red Pine	Sawtimber Well	70	141- 170	Harvest	Single Tree Selection	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark red pine to 100 BA.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Red pine.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>8</b>	<b>12147008-Cutx</b>	1.3	42210 - Natural Red Pine	Sawtimber Well	70	141- 170	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Mark several large crown red and white pine seed trees for retention. Cut all other trees greater than 2" DBH. Scarify with dozer after harvest.  <u>Specs:</u>  <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Mix of red and white pine.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>26</b>	<b>12147026-Cut</b>	5.0	4110 - Sugar Maple Association	Sawtimber Well	100	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark to 80 BA. Leave white pine.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Maple birch.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>30 12147030-Cut</b>	25.1	4130 - Aspen	Sawtimber Well	50	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or larger, except oak. Cut all spruce, balsam and jack pine with three or more pulpwood sticks.  <u>Specs:</u> Mark one cherry/acre to leave it available.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Mix of aspen and conifer.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>60 12147060-Cut</b>	31.0	4130 - Aspen	Poletimber Well	47	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Cut all aspen and mixed hardwood 2" DBH or larger, except oak. Cut all spruce, balsam and jack pine with three or more pulpwood sticks.  <u>Specs:</u> Leave all red and white pine and cedar.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Mix of aspen, spruce and balsam.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 68.2**

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 147

Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Acres				
		With Condition	Not Available		2G	3H	3J	3L	5E
1247	1239	0	8	Aspen			2		6
163	46	0	117	Cedar		117			
32	32	0	0	Exposed Rock					
75	74	0	0	Low-Density Trees					0
41	41	0	0	Lowland Deciduous					
77	77	0	0	Lowland Shrub					
122	122	0	0	Lowland Spruce/Fir					
26	26	0	0	Natural Mixed Pines					
66	60	0	6	Northern Hardwood				6	
35	35	0	0	Red Pine					
19	0	0	19	Tamarack	17			2	
38	12	0	26	Upland Conifers			13	13	
20	20	0	0	Upland Shrub					
19	0	0	19	Upland Spruce/Fir				19	
12	12	0	0	Urban					
21	21	0	0	Water					
2,012	1,816		196	Total Forested Acres	17	117	15	40	6
	90%		10%	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	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Deer cover/travel corridor.							
2	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Rock outcrops. Left at request of Wildlife Division.							

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 147

Year of Entry: 2024

3	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Deer travel corridor.							
9	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Bear.							
10	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	117	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Deer travel corridor.							
17	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	16	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Buffer for Michigamme River.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments
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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area  
 HCVA = High Conservation Value Area  
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4130 - Aspen	Sapling Well	15.8	16	Immature	N/A	Bear's Nest Aspen. 60-04		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		95	Sapling	2	16	Balsam Fir	Low	Variable	Sapling
White Spruce		5	Sapling/Pole	2		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
2	6120 - Lowland Cedar	Sawtimber Well	14.9	100	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		5	Log/Pole/Sap	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar		70	Log/Pole	12	100				
Black Spruce		10	Log/Pole/Sap	10					
Black Ash		15	Pole/Log/Sap	8					
3	6122 - Black Spruce	Poletimber Medium	7.5	70	1-50	N/A	Small pond inside stand.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		5	Pole/Sap/Log	8		Willow spp.	Low	5 - 10 feet	Tall Shrub
Black Spruce		95	Pole/Sapling	6	70				
4	42290 - Natural Mixed Pine	Sawtimber Well	25.6	80	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		20	Log/Pole/Sap	14		Balsam Fir	Low	Variable	Sapling
Red Pine		40	Log/Pole/Sap	12	80	Jack Pine	Low	Variable	Sapling
Quaking Aspen		25	Sapling/Pole	3	25				
White Spruce		15	Pole/Sap/Log	8					
5	429 - Mixed Upland Conifers	Poletimber Well	9.4	50	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		40	Pole/Sap/Log	6	50	Black Spruce	Medium	5 - 10 feet	Sapling
Balsam Fir		5	Pole/Log/Sap	8					
White Pine		50	Pole/Log/Sap	8	50				
Red Pine		5	Log/Pole/Sap	12					
6	6122 - Black Spruce	Poletimber Medium	11.4	70	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		10	Pole/Log/Sap	8		Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce		90	Pole/Sapling	6	70				
7	6122 - Black Spruce	Poletimber Medium	12.5	70	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		10	Pole/Log/Sap	8		Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar		15	Log/Pole	10		Dogwood (spp.)	Low	5 - 10 feet	Tall Shrub
Black Spruce		75	Pole/Sapling	6	70	Willow spp.	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	42210 - Natural Red Pine	Sawtimber Well	7.1	70	141-170	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		100	Log/Pole/Sap	14	70	White Spruce	Low	Variable	Sapling
9	4130 - Aspen	Sapling Well	19.2	25	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Spruce		5	Sapling/Pole	4		Common Blackberry	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		95	Sapling/Pole	4	25	Balsam Fir	Low	Variable	Sapling
10	622 - Lowland Shrub	Nonstocked	22.7		Unspecified	No			
11	6115 - Lowland Ash	Poletimber Well	4.1	70	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Ash		90	Pole/Sapling	6	70	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce		10	Pole/Sapling	6					
12	6122 - Black Spruce	Poletimber Poor	5.1	70	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		95	Pole/Sapling	6	70	Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack		5	Pole/Sap/Log	8					
13	122 - Road/Parking Lot	Nonstocked	9.8		Unspecified	No	railroad		
14	4130 - Aspen	Sapling Well	32.8	16	Immature	N/A	Bear's Nest Aspen. 60-04		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Spruce		5	Sapling/Pole	3		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Balsam Poplar		5	Sapling	2	16				
Quaking Aspen		90	Sapling	2	16				
15	4134 - Aspen, Spruce/Fir	Poletimber Well	22.3	25	Immature	N/A	Aspen sapling stand with lots of spruce poles.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		70	Sapling/Pole	3	25	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
White Spruce		30	Pole/Sap/Log	8	50				
16	6120 - Lowland Cedar	Sawtimber Well	6.9	100	141-170	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		5	Pole/Sap/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar		95	Log/Pole	12	100				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
<b>18</b>	6122 - Black Spruce	Poletimber Medium	35.7	70	1-50	N/A																																		
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<b>20</b>	4136 - Aspen, Mixed Conifer	Poletimber Well	1.8	50	81-110	N/A	Porkied Pine Mix. 54-20 Retention.																																	
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<b>21</b>	330 - Low-Density Trees	Nonstocked	74.5	0	Unspecified	4134 - Aspen, Spruce/Fir	Cut fall of 2021. Porkied Pine Mix. 54-20																																	
<b>22</b>	320 - Upland Shrub	Nonstocked	10.9		Unspecified	No	Grassy shrub openings.																																	
<b>23</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	4.4	50	51-80	N/A	Porkied Pine Mix. 54-20 Retention.																																	
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<b>24</b>	42320 - Upland Spruce	Poletimber Well	7.6	70	81-110	N/A																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>25</b>	4130 - Aspen	Sapling Well	25.9	26	Immature	N/A	Clark's Creek Rock t-sale. 19-94
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		10	Sapling/Pole	4		Wild Red Raspberry	
Balsam Fir		5	Sapling/Pole	4		Hazelnut (American)	
Quaking Aspen		80	Sapling/Pole	4	26		
Sugar Maple		5	Sapling/Pole	3			
<b>26</b>	4110 - Sugar Maple Association	Sawtimber Well	5.0	100	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		5	Log/Pole	14	100	White Spruce	
Sugar Maple		95	Log/Pole	12	100	Leatherwood	
<b>27</b>	4110 - Sugar Maple Association	Sawtimber Well	6.2	100	111-140	N/A	Steep hills with drain at bottom for most of the stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Hemlock		5	XLog/Log	20		White Spruce	
Black Ash		5	Pole/Log/Sap	8		Ironwood	
Yellow Birch		5	Log/Pole	16			
Red Maple		5	Log/Pole/Sap	14			
Sugar Maple		80	Log/Pole/Sap	10	100		
<b>28</b>	4130 - Aspen	Sapling Well	30.7	25	Immature	N/A	Clark Creek t-sale. 15-94 Wet ash/cedar pocket about 2 acres in size at SE part of stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		5	Sapling/Pole	4		Balsam Fir	
Quaking Aspen		95	Sapling/Pole	4	25		
<b>29</b>	4119 - Mixed Northern Hardwoods	Poletimber Medium	11.0	80	51-80	N/A	Rough, rocky hills.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Basswood		30	Log/Pole	10		Ironwood	
Balsam Fir		10	Pole/Sapling	6			
Sugar Maple		10	Pole/Log/Sap	6			
Red Maple		50	Pole/Log/Sap	8	80		
<b>30</b>	4130 - Aspen	Sawtimber Well	25.1	50	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		95	Log/Pole/Sap	10	50	White Spruce	
Sugar Maple		5	Pole/Log/Sap	8		Wild Red Raspberry	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	6121 - Tamarack	Sawtimber Medium	1.9	80	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Tamarack		50	Log/Pole/Sap	10	80	Tag Alder	
Northern White Cedar		20	Log/Pole	10		Medium	
Quaking Aspen		10	Pole/Log/Sap	8		5 - 10 feet	
Black Spruce		20	Pole/Sap/Log	8	80	Tall Shrub	
33	4130 - Aspen	Sapling Well	17.1	25	Immature	N/A	Clark Creek t-sale. 15-94 Several rocky hills with pole sized timber within stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		90	Sapling/Pole	4	25	Balsam Fir	
White Spruce		5	Pole/Sapling	5		Low	
Red Maple		5	Pole/Sap/Log	6		Variable	
						Sapling	
34	42110 - Planted Red Pine	Sawtimber Well	14.2	55	111-140	N/A	Thinned 2015.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		5	Log/Pole/Sap	14		White Pine	
Red Pine		95	Log/Pole/Sap	11	55	White Spruce	
						Medium	
						Variable	
						Sapling	
35	6120 - Lowland Cedar	Sawtimber Well	6.2	100	171-200	N/A	West finger of stand is tamarack and spruce saplings 30 feet tall.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Tamarack		5	Pole/Sapling	8		Tag Alder	
Northern White Cedar		95	Log/Pole	12	100	Low	
						5 - 10 feet	
						Tall Shrub	
36	6120 - Lowland Cedar	Sawtimber Well	7.7	120	141-170	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		95	Log/Pole	12	120	Tag Alder	
Tamarack		5	Pole/Sapling	8	100	Low	
						5 - 10 feet	
						Tall Shrub	
37	4134 - Aspen, Spruce/Fir	Poletimber Well	20.8	46	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		70	Pole/Log	8	46	Black Spruce	
Balsam Fir		10	Pole/Sap/Log	8		Tag Alder	
White Spruce		10	Pole/Log/Sap	8		Low	
Red Maple		10	Pole/Log/Sap	8		5 - 10 feet	
						Tall Shrub	
						Hazelnut (American)	
						Medium	
						5 - 10 feet	
						Tall Shrub	
38	4130 - Aspen	Sapling Well	12.1	8	Immature	N/A	Harvested 2015.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		5	Sapling/Pole/Log	2		Wild Red Raspberry	
White Spruce		10	Sapling	2		Low	
Quaking Aspen		85	Sapling	1	8	5 - 10 feet	
						Tall Shrub	
						Hazelnut (American)	
						Low	
						< 5 feet	
						Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
40	122 - Road/Parking Lot	Nonstocked	2.3		Unspecified	No	kopf's road.																																				
41	500 - Water	Nonstocked	1.7		Unspecified	No	Pond.																																				
43	4130 - Aspen	Sapling Well	19.0	5	Immature	N/A	Pine Snake t-sale. 64-14																																				
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44	4130 - Aspen	Poletimber Well	18.6	38	81-110	N/A	Michigamme Mountain t-sale. 29-83																																				
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Sugar Maple	5	Pole/Sapling	6		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub																																			
45	6122 - Black Spruce	Poletimber Medium	19.1	70	51-80	N/A																																					
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Northern White Cedar	10	Log/Pole	10																																								
47	320 - Upland Shrub	Nonstocked	0.8		Unspecified	No	Power line.																																				
48	4130 - Aspen	Sapling Well	22.4	25	Immature	N/A	Clark Creek t-sale. 15-94																																				
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Balsam Fir	5	Sapling	2																																								
Quaking Aspen	90	Sapling	2	25																																							
52	6115 - Lowland Ash	Poletimber Well	22.8	70	51-80	N/A																																					
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Balsam Poplar	5	Pole/Sap/Log	6																																								
Black Spruce	5	Pole/Sap/Log	6																																								
53	4130 - Aspen	Sapling Well	62.6	25	Immature	N/A	Clark Creek t-sale. 15-94																																				
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Quaking Aspen	95	Sapling/Pole	4	25																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
54	4130 - Aspen	Sapling Well	13.8	16	Immature	N/A	Bear's Nest Aspen. 60-04		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		90	Sapling	2	16	Hazelnut (American)	Low	< 5 feet	Tall Shrub
White Spruce		5	Sapling	2					
Balsam Fir		5	Sapling	2					
55	4130 - Aspen	Sapling Well	54.6	5	Immature	N/A	Pine Snake t-sale. 64-14		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Quaking Aspen		100	Sapling	1	5				
56	4134 - Aspen, Spruce/Fir	Sapling Well	22.1	7	Immature	N/A	Flat Tail Aspen. 62-14		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		60	Sapling	1	7	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
White Spruce		20	Sapling	3					
Balsam Fir		20	Sapling	4					
57	4130 - Aspen	Sapling Well	23.0	25	Immature	N/A	Clark Creek t-sale. 15-94		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		100	Sapling	3	25	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
60	4130 - Aspen	Poletimber Well	31.0	47	81-110	N/A	pockets of dead trees Permit # 4-75		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		100	Pole/Log/Sap	8	47	Hazelnut (American)	Low	< 5 feet	Tall Shrub
61	320 - Upland Shrub	Nonstocked	7.8		Unspecified	No			
62	4130 - Aspen	Sapling Well	92.6	20	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		90	Sapling/Pole	4	20	Hazelnut (American)	Medium	5 - 10 feet	Tall Shrub
White Spruce		5	Sapling/Pole	4					
Red Maple		5	Sapling/Pole	4					
64	6115 - Lowland Ash	Poletimber Well	13.9	70	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Ash		90	Pole/Sapling	6	70	Balsam Fir	Low	Variable	Sapling
Black Spruce		5	Pole/Sapling	6					
Balsam Poplar		5	Pole/Sapling	6					
67	622 - Lowland Shrub	Nonstocked	45.6		Unspecified	No	Clark Creek flood plain plus feeder creek with old beaver dam and associated meadow.		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>69</b>	42320 - Upland Spruce	Poletimber Well	11.6	80	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		20	Pole/Sap/Log	8		Hazelnut (American)	
White Spruce		80	Log/Pole/Sap	10	80	Density	Avg. Height
						Low	5 - 10 feet
							Size
							Tall Shrub
<b>70</b>	4130 - Aspen	Sapling Well	19.8	17	Immature	N/A	Clark's Aspen. 59-04
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		5	Sapling/Pole	2		Hazelnut (American)	
Quaking Aspen		90	Sapling	3	17	Density	Avg. Height
White Spruce		5	Sapling/Pole	2		Low	< 5 feet
							Size
							Tall Shrub
<b>71</b>	4130 - Aspen	Sapling Well	25.6	25	Immature	N/A	Clark Creek t-sale. 15-94
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		5	Sapling/Pole	4		Hazelnut (American)	
Sugar Maple		5	Sapling/Pole	4		Density	Avg. Height
Balsam Fir		5	Sapling/Pole	4		Low	5 - 10 feet
Quaking Aspen		85	Sapling/Pole	4	25		Size
							Tall Shrub
<b>76</b>	4115 - Y.Birch, Hemlock NH	Sawtimber Well	21.9	100	81-110	N/A	Lots of rock. cedar growing on steep rock side hills.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		5	Log/Pole	10		White Spruce	
Sugar Maple		45	Log/Pole	12	100	Density	Avg. Height
Red Maple		20	Log/Pole/Sap	14	100	Low	< 5 feet
Yellow Birch		20	Log/Pole	12	100		Size
Basswood		10	Log/Pole	14	100		Tall Shrub
<b>77</b>	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	28.2	100	51-80	N/A	Steep hill side bordering Michigamme River.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		5	Log/Pole/Sap	14		Hazelnut (American)	
Red Maple		15	Log/Pole/Sap	10		Density	Avg. Height
White Spruce		15	Log/Pole/Sap	10		Low	< 5 feet
Northern White Cedar		55	Pole/Log	8	100		Size
Balsam Fir		10	Pole/Sap/Log	8			Tall Shrub
<b>78</b>	500 - Water	Nonstocked	16.5		Unspecified	No	Michigamme River.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
79	4136 - Aspen, Mixed Conifer	Sapling Well	60.3	26	Unspecified	N/A	Hemlock Falls Rock t-sale. 5-90 Steep rock outcrops with older trees on top.																																	
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81	4130 - Aspen	Sapling Well	15.5	5	Immature	N/A	Pine Snake Aspen. 64-14																																	
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82	6122 - Black Spruce	Poletimber Medium	31.1	70	1-50	N/A																																		
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83	622 - Lowland Shrub	Nonstocked	2.8		Unspecified	No																																		
85	4130 - Aspen	Sapling Well	11.1	5	Immature	N/A	Pine Snake Aspen. 64-14																																	
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89	42110 - Planted Red Pine	Sawtimber Well	14.1	56	81-110	N/A																																		
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90	4130 - Aspen	Poletimber Well	39.0	35	51-80	N/A	Some pockets of 8" to 10" aspen.																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
91	6120 - Lowland Cedar	Sawtimber Well	66.4	90	111-140	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		5	Pole/Log/Sap	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir		5	Pole/Sap/Log	8					
Quaking Aspen		5	Log/Pole/Sap	12					
Black Ash		15	Pole/Sap/Log	8					
Northern White Cedar		70	Log/Pole	10	90				
92	6121 - Tamarack	Poletimber Medium	17.5	90	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		5	Pole/Sap/Log	6		Tag Alder	Full	5 - 10 feet	Tall Shrub
Tamarack		95	Pole/Log/Sap	8	90				
93	4130 - Aspen	Sapling Well	10.4	9	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		90	Sapling	1	9	Blackberry/Raspberry	Low	5 - 10 feet	Tall Shrub
Balsam Poplar		5	Sapling	1	9				
Balsam Fir		5	Sapling/Pole	4					
96	4130 - Aspen	Sapling Well	16.1	18	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		5	Sapling/Pole	3		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir		5	Sapling/Pole	4		Black Ash	Low	5 - 10 feet	Sapling
Balsam Poplar		10	Sapling/Pole	3	18				
Quaking Aspen		80	Sapling/Pole	4	18				
97	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.1	90	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		40	Log/Pole	10	90	Quaking Aspen	Low	>20 feet	Sapling
Sugar Maple		50	Pole/Log	8	90				
Basswood		10	Log/Pole	10					
98	6120 - Lowland Cedar	Poletimber Medium	40.3	90	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Poplar		10	Pole/Sapling	6		Tag Alder	Full	5 - 10 feet	Tall Shrub
Paper Birch		5	Pole/Log	8					
Quaking Aspen		10	Pole/Log/Sap	8					
Northern White Cedar		50	Pole/Log	8	90				
Black Spruce		20	Pole/Sapling	6					
Black Ash		5	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
99	4115 - Y.Birch, Hemlock NH	Sawtimber Well	20.1	90	81-110	N/A																																						
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Quaking Aspen	Low	10 - 20 feet	Sapling																																									
100	4130 - Aspen	Poletimber Well	293.4	26	1-50	N/A	Lots of rock outcrops scattered throughout stand.																																					
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101	720 - Exposed Rock	Nonstocked	31.9		Unspecified	No	Steep rock outcrops.																																					
102	4130 - Aspen	Sapling Well	23.7	9	Immature	N/A	Rock outcrops within stand.																																					
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103	500 - Water	Nonstocked	2.4	0	Unspecified	No	Pond.																																					
106	4130 - Aspen	Poletimber Well	77.2	29	1-50	N/A	Lots of rock outcrops scattered throughout stand.																																					
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107	622 - Lowland Shrub	Nonstocked	5.8		Unspecified	No																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**108**      4130 - Aspen      Sapling Well      66.8      9      Immature      N/A      Rough rocky ground with wet areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Sapling/Pole	4		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Poplar	10	Sapling	1	9				
Quaking Aspen	80	Sapling	1	9				
Red Maple	5	Sapling	1					

**110**      6120 - Lowland Cedar      Sawtimber Well      9.9      90      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Log/Pole/Sap	12		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	5	Pole/Log/Sap	8					
Balsam Fir	5	Pole/Sap/Log	8					
Black Ash	15	Pole/Sap/Log	8					
Northern White Cedar	70	Log/Pole	10	90				