



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11004

Entry Year 2023

Acreage: 1,166

County Baraga

Management Area: Keweenaw Bay

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**Stand Examiner:** Jason Collins

## Legal Description:

T50N, R33W Sections 18, 20, 21, 28, 30

T51N, R32W Sections 4, 22, 23, 26, 27

T51N, R31W Sections 18

T52N, R32W Section 33

## Identified Planning Goals:

To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs.

## Soil and topography:

Soils near Ogemaw Creek and the Upper Falls River are AuGres sand and Munising-Yalmer sands and loams on the upland and Arnheim mucky silt loam in the lowlands. Pequaming Bay has Histosols and Aquent, ponded. Soils near the mouth of the Silver River are AuGres sands and Carbondale-Tacoosh mucks. Soils near Silver River Falls are comprised of Keweenaw-Kalkaska complexes and Munising-Yalmer sands.

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

Most of the surrounding lands are industrial forest lands with some small private recreation properties interspersed.

## Unique Natural Features:

Silver River Falls, the mouth of the Silver River, Little Mountain, and Pequaming are unique to this compartment.

## Archeological, Historical, and Cultural Features:

None listed.

## Special Management Designations or Considerations:

None listed.

## Watershed and Fisheries Considerations:

Parcels in this compartment contain portions of the Falls River, Taylor Creek, Ogemaw Creek, Silver River, Huron Bay and Lake Superior.

## Wildlife Habitat Considerations:

This compartment encompasses scattered state land holding across much of north central Baraga County, accordingly the wildlife habitats vary as do the management emphasis. The southernmost portion of this compartment is within the historic and currently identified Menge Creek deer yarding complex. This complex is critically important to wintering deer from Baraga, Houghton and possibly Eastern Ontonagon County. Deer in this high snow fall zone are obligate migrators and the thermal cover provide by hemlock stands is essential to overwinter survival. Wildlife management and silvicultural prescriptions here are intended to maintain 70% or greater crown closure within hemlock stands, promote expansion of hemlock inclusions and increase crown closer accordingly, increase landscape connectivity, increase species and structural diversity, and promote hardwood regeneration within the forest matrix for both sustainable timber production and hardwood browse for wintering deer. Other parcels near Pequaming feature harvests intended to promote aspen/birch/fir regeneration. Maintenance of riparian and movement corridor habitats for wildlife species such as American marten, deer, and other wildlife species are important throughout this compartment, especially in the context of the local landscape and the habitat attributes state lands provide converse to adjacent private and corporate ownerships.

## Mineral Resource and Development Concerns and/or Restrictions

Parcels in T50N-R33W have potential for sand & gravel on upland areas, but there are no active pits within three miles of the area. Metallic mineral potential in this area is unknown. There has been limited documented mineral exploration in this vicinity. There has been metallic mineral leasing activity, but nothing since 2008. The state has minimal mineral ownership among the parcels in T51N-R31W, and potential for non-metallic minerals (sand & gravel) appears limited. There may be metallic mineral potential beneath the parcels in this area. State mineral rights in Sec 18 and to the west are currently

under lease. Parcels in T51N-R32W have potential for sand & gravel on upland areas, but there are no active pits in the area. There is some evidence that Michigamme Slate was historically quarried in the area for roofing tiles, but there is no current market for such material except perhaps as dimension stone. There may be metallic mineral potential beneath the parcels in this area. There is a report of a historical silver prospect less than three miles to the south. Parcels in T51-52N-R32W have no known mineral potential and are currently proposed for disposal in the current state land review. There is no potential for economic oil and gas production in the UP. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

**Vehicle Access:**

Most of this compartment is accessible from established road systems.

**Survey Needs:**

Survey work will be needed to facilitate timber harvest activities.

**Recreational Facilities and Opportunities:**

Public access sites are located at the Silver River Falls and mouth of the Silver River. Streams and creeks get light to moderate fishing use. This compartment is also used by hunters for small and large game.

**Fire Protection:**

This is not a fire prone area.

**Additional Compartment Information:**

Stands: 1, 2, 5 and 6 at Pequaming are ERA's. Stands 3 and 4 are being removed since they are not part of the ERA shape.

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

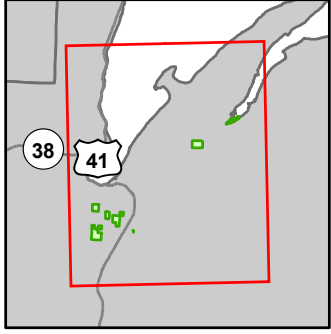
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

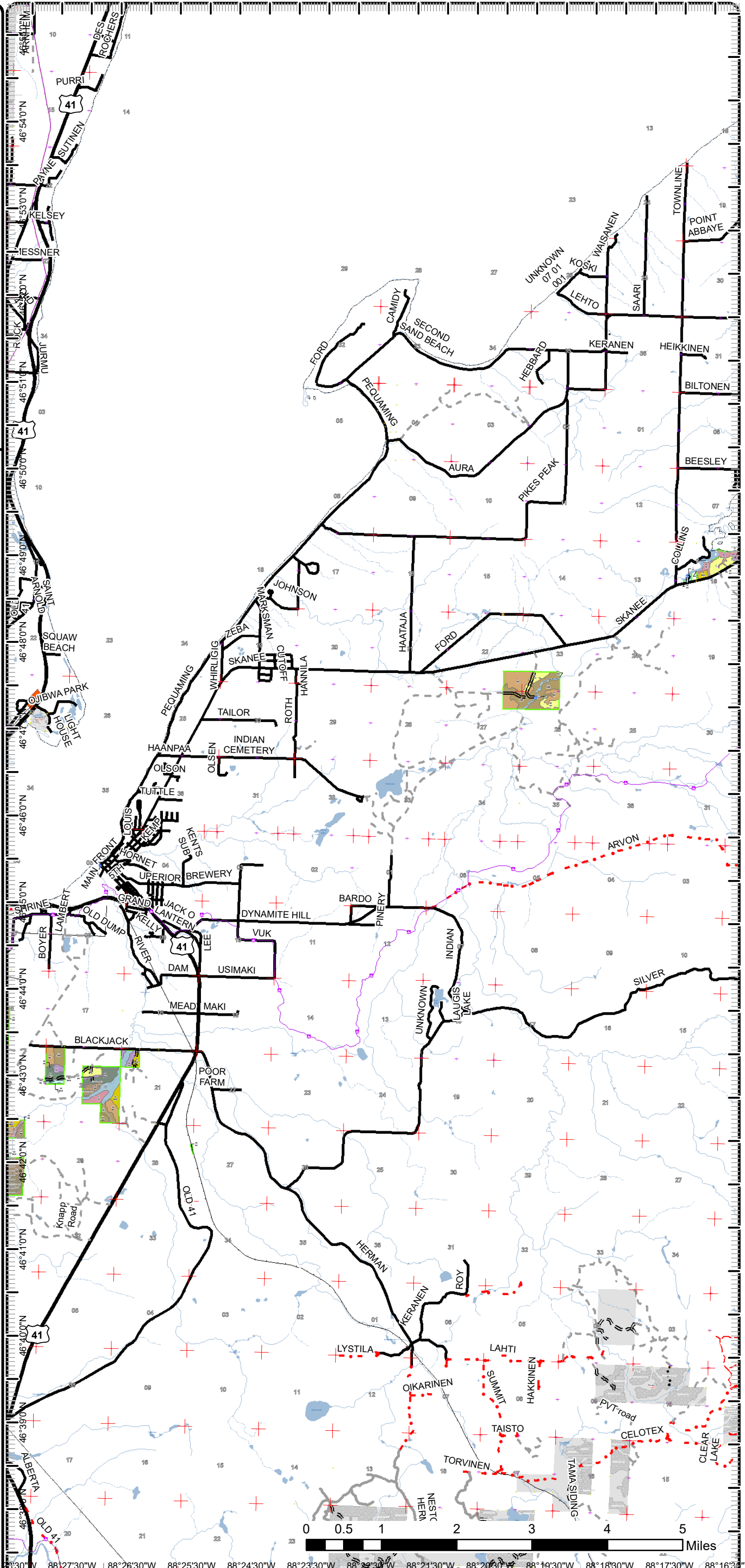
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 4  
 T52N, R32W, Sec: 33  
 T51N, R32W, Sec: 04, 22, 23, 26, 27  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Keweenaw Bay  
 YOE: 2023  
 Acres: 1166.1 GIS Calculated  
 Examiner: Jason Collins  
 Map Revised: 9/20/2023  
 Map Phase: Post Review



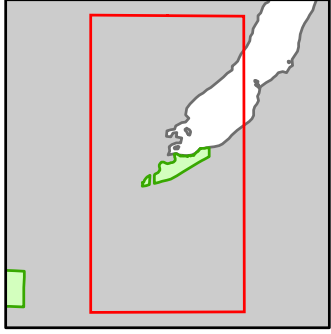
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ... DNR - Management Access
- Active Railroads
- Hiking Trails
- Snowmobile Trails
- Designated Snowmobile Trails
- Designated RailTrail
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Boating Access Site
- Campground
- City
- Pipeline
- Powerline
- Burn Boundary
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 720 - Exposed Rock



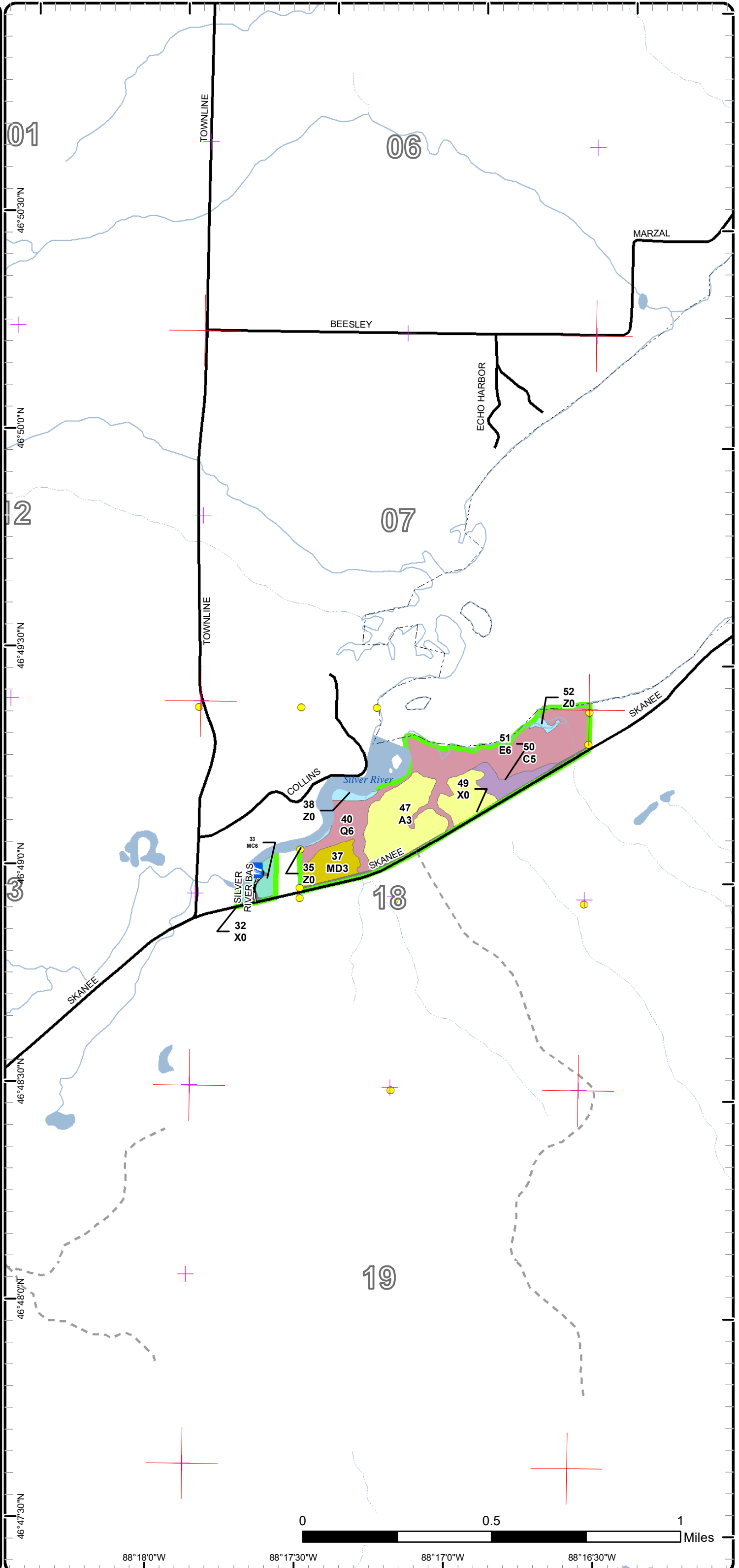
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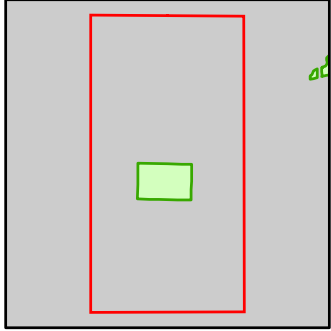


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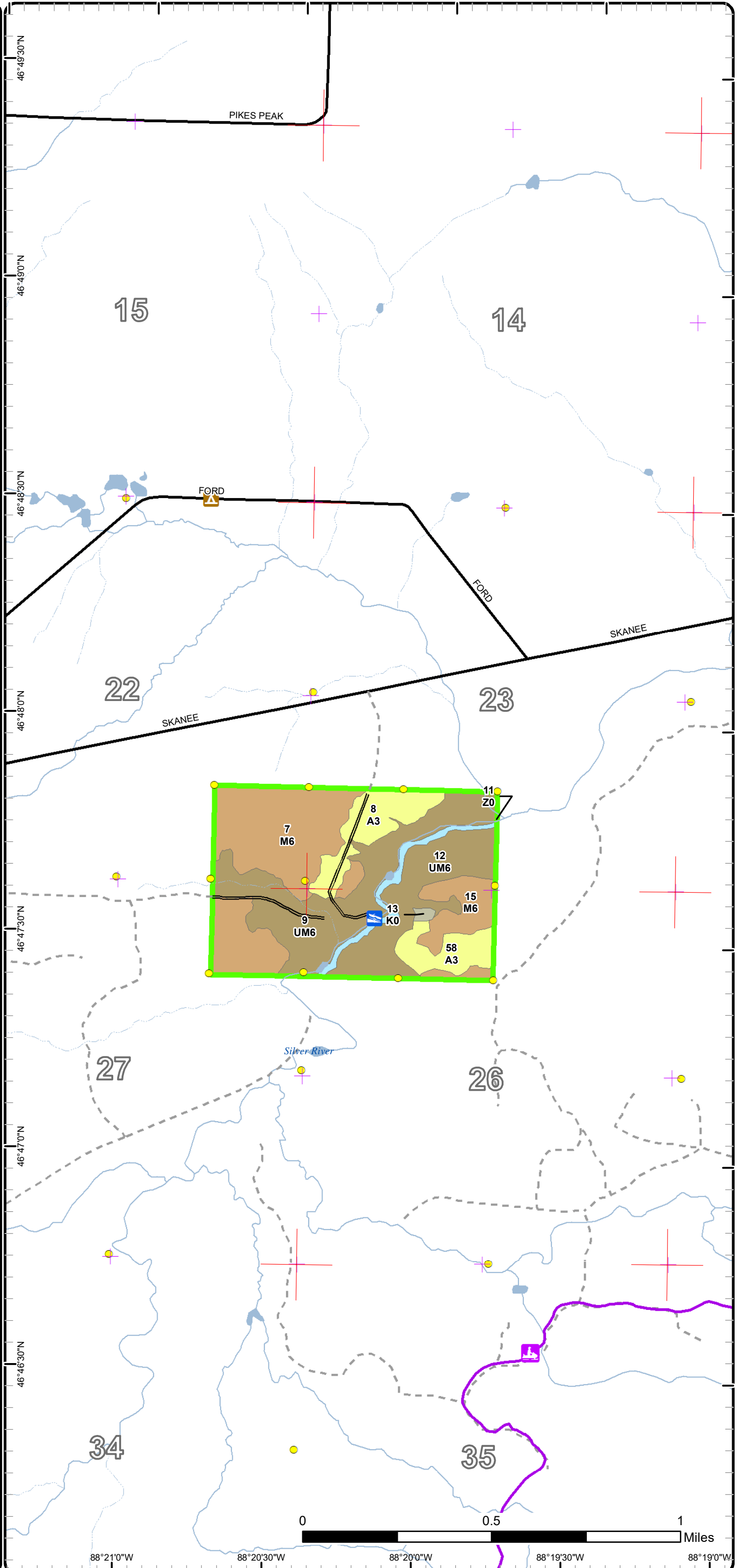


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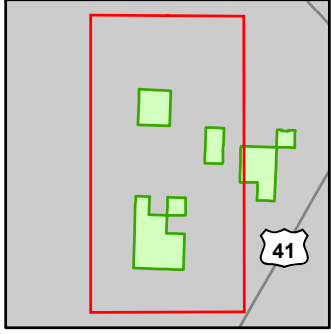


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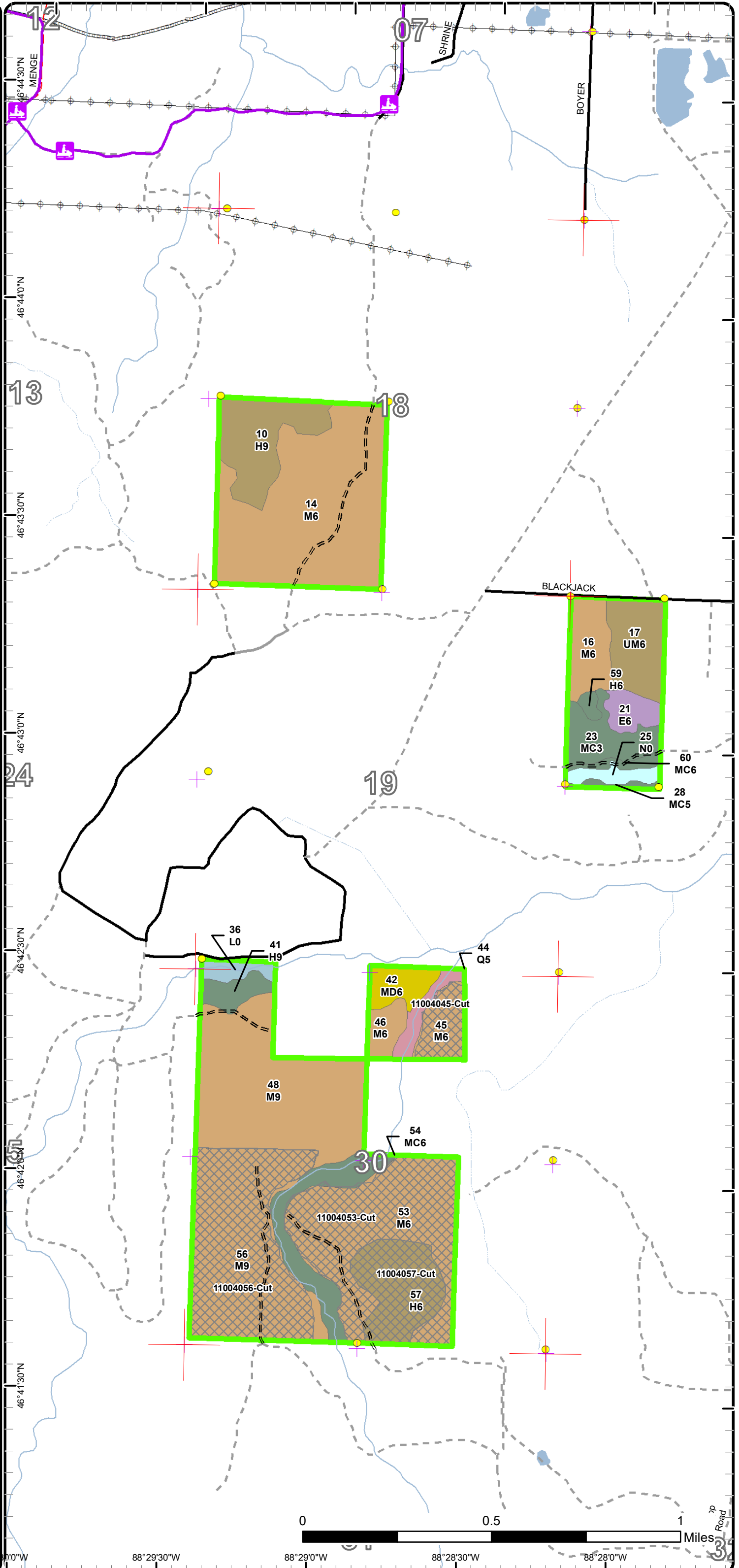


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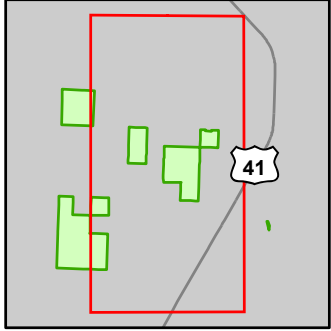
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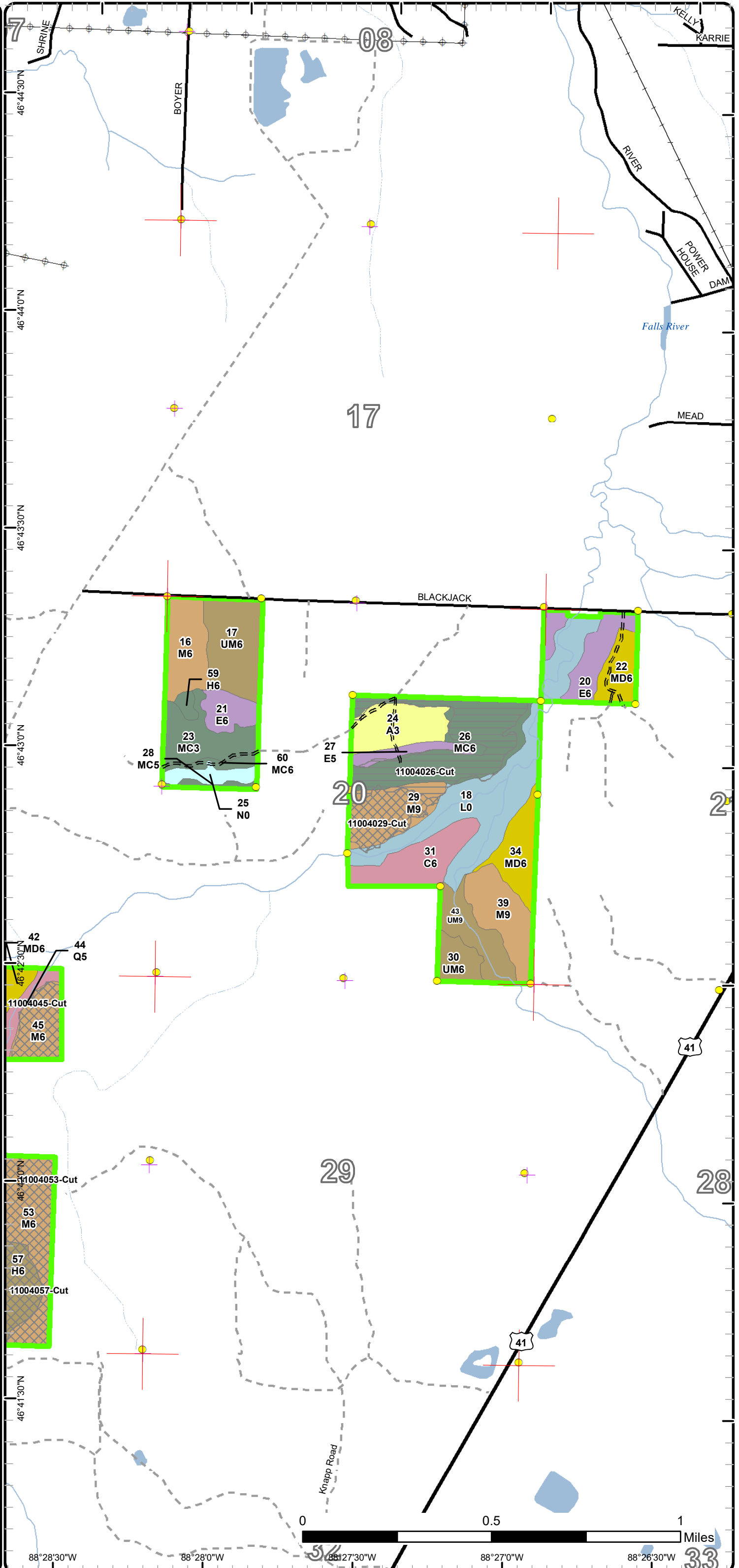
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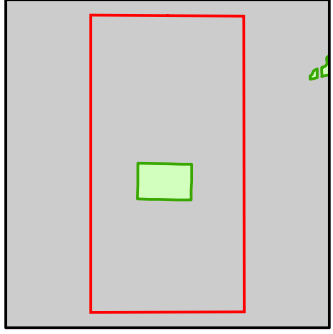
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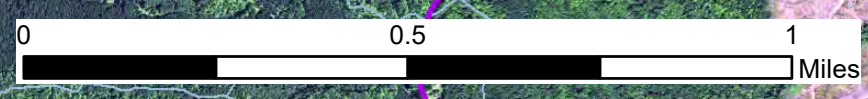
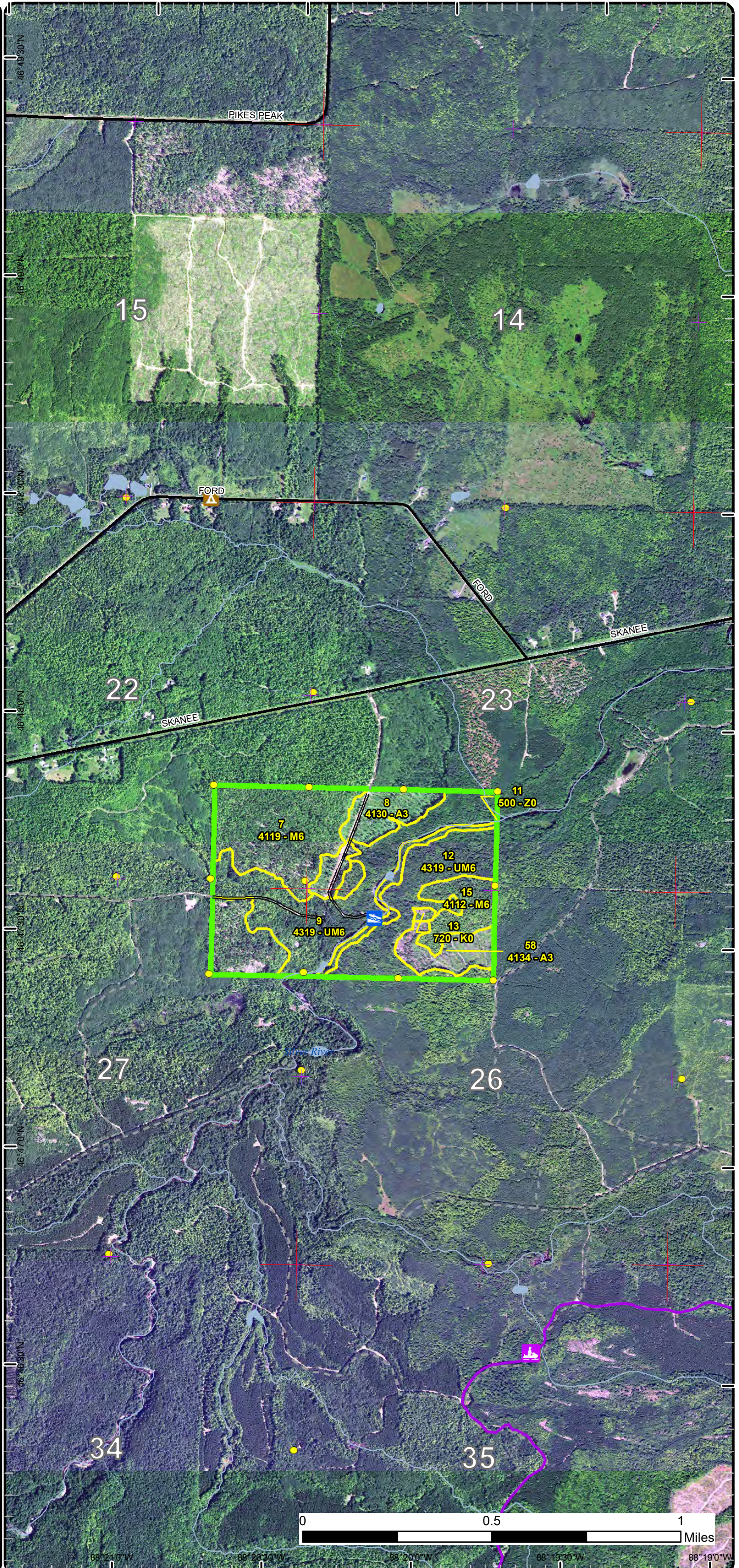


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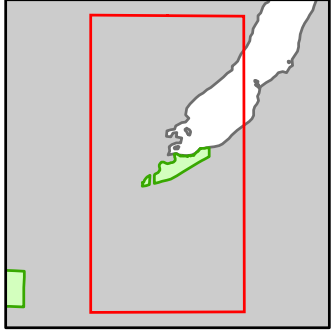


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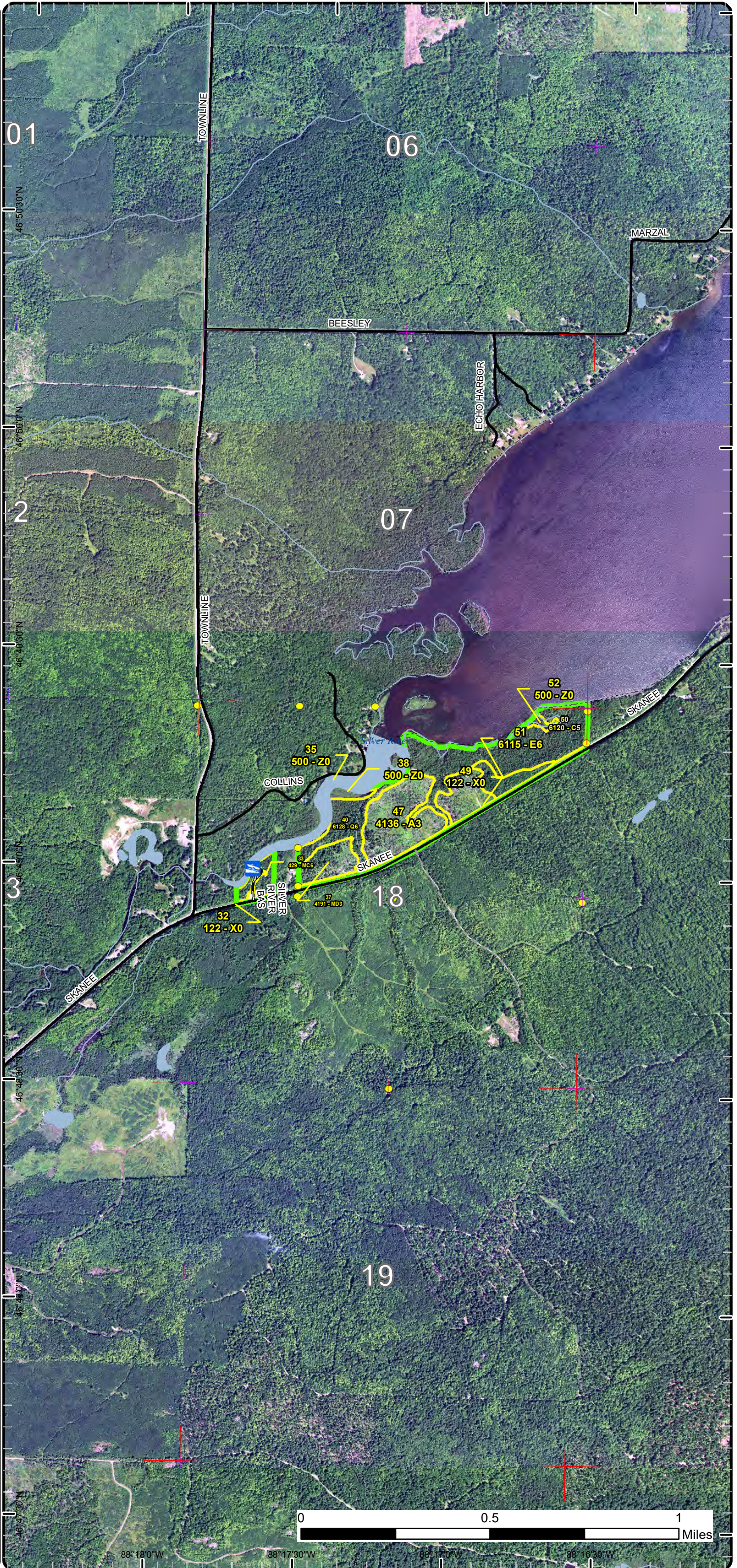


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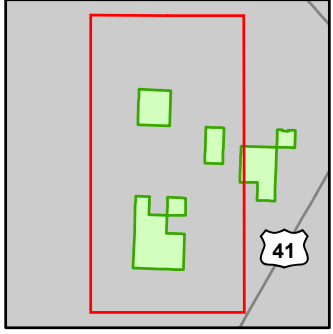
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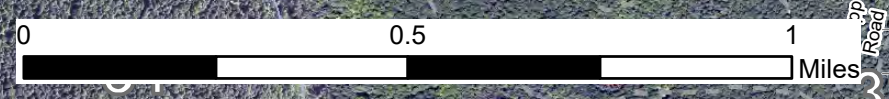
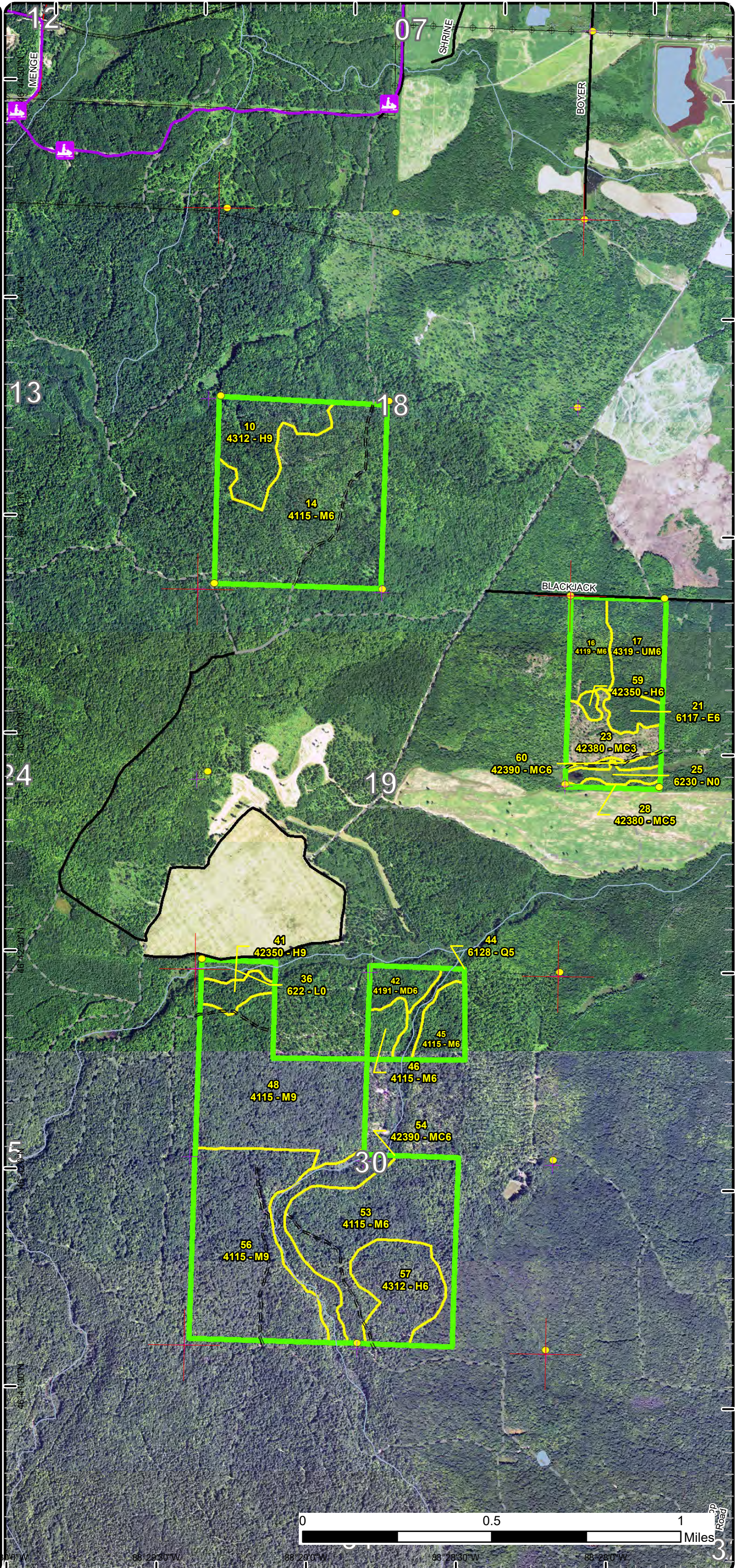


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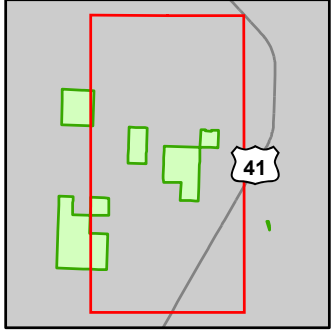


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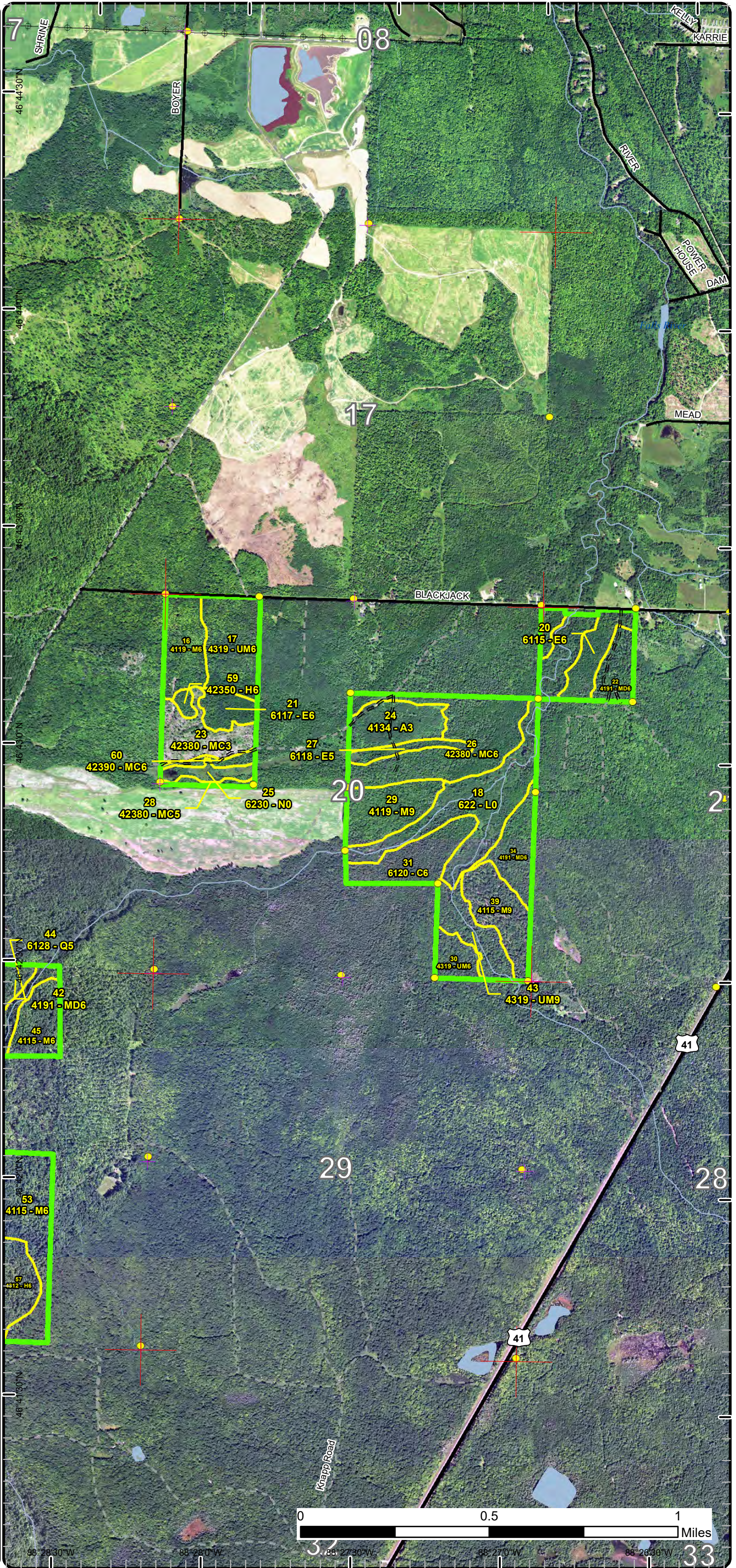


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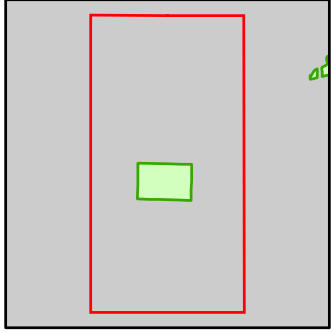
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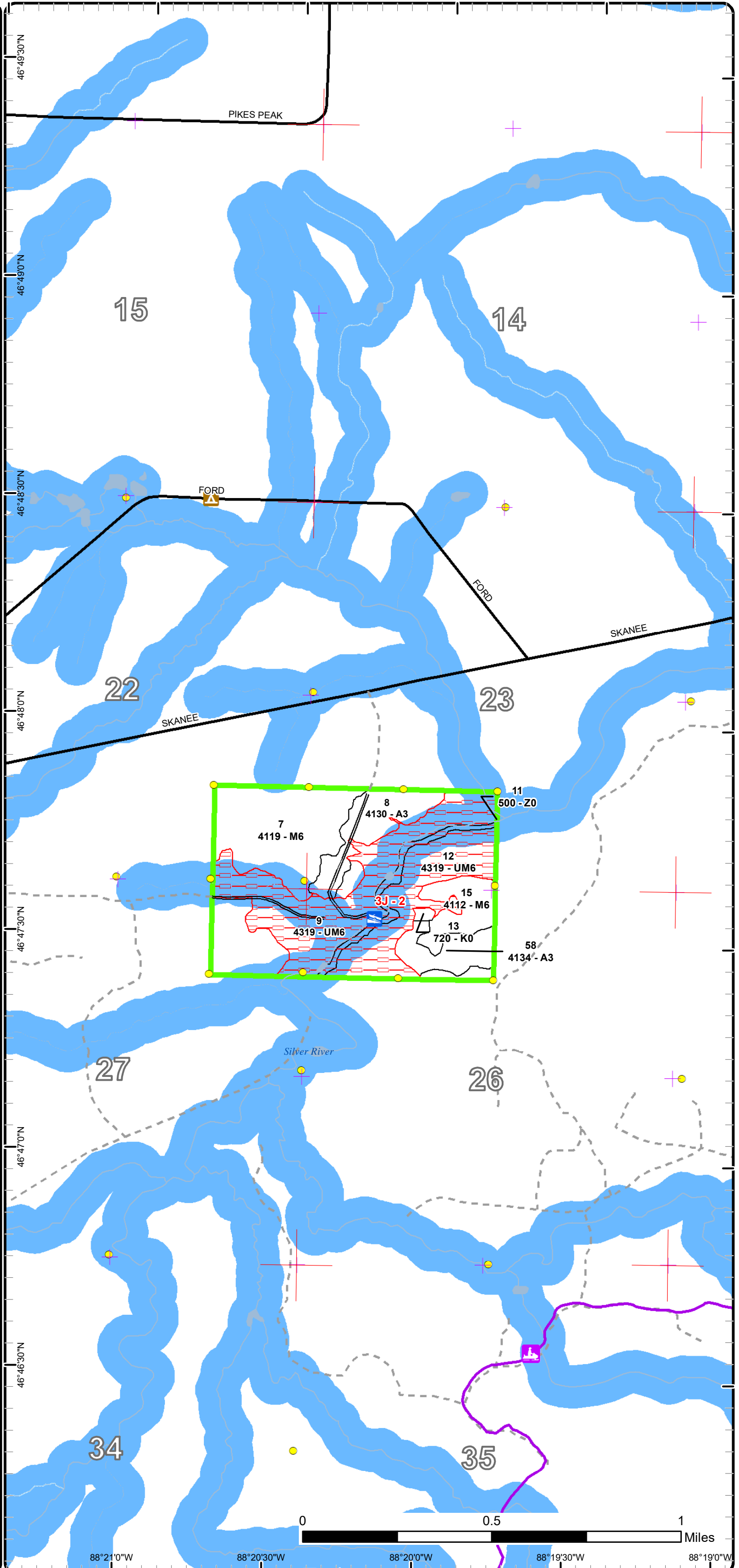


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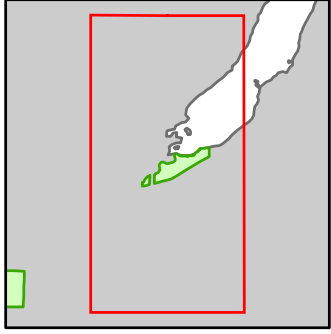
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- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



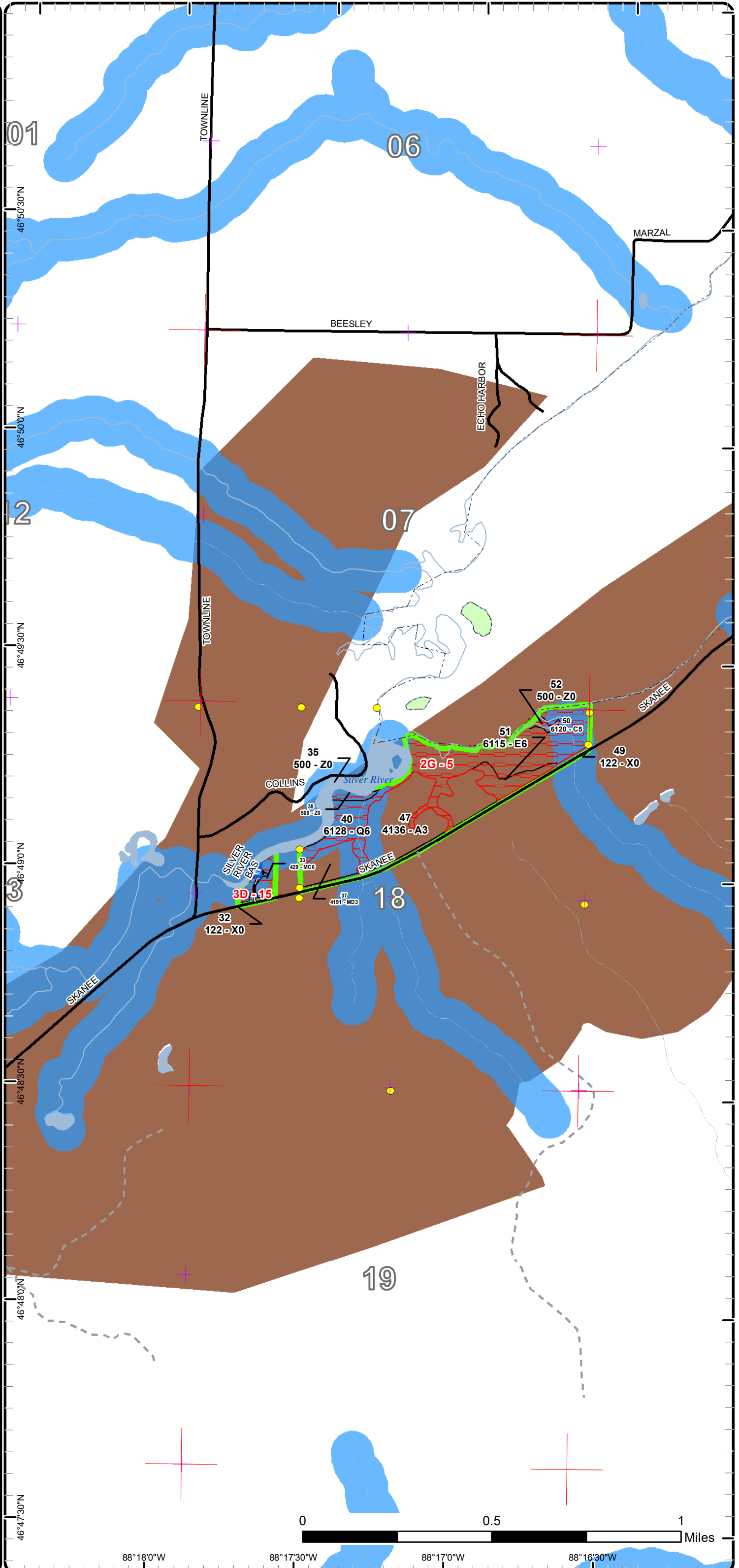


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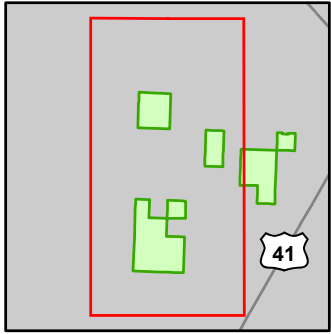
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- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Great Lakes Islands



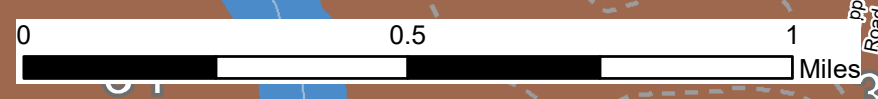
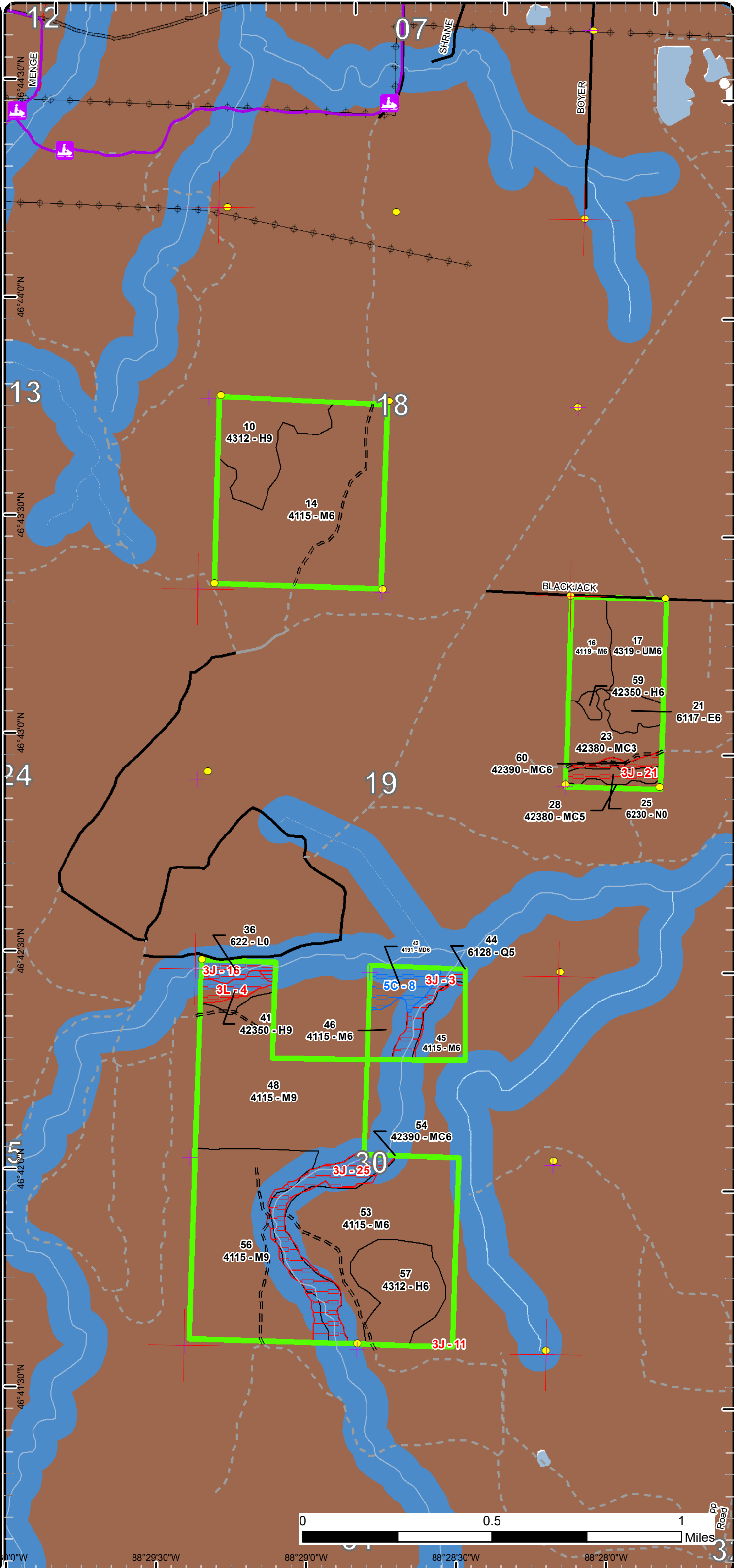


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- High Priority Trout Stream Buffer
- Deer Winter Range

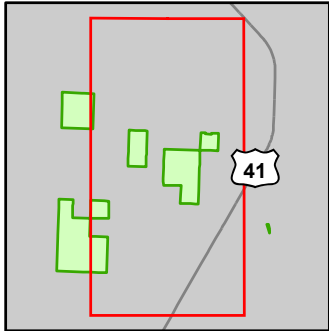


88°29'30"W 88°29'0"W 88°28'30"W 88°28'0"W

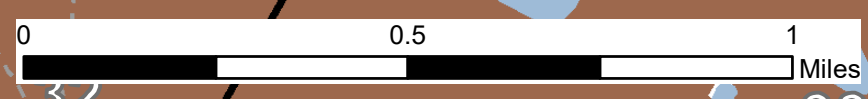
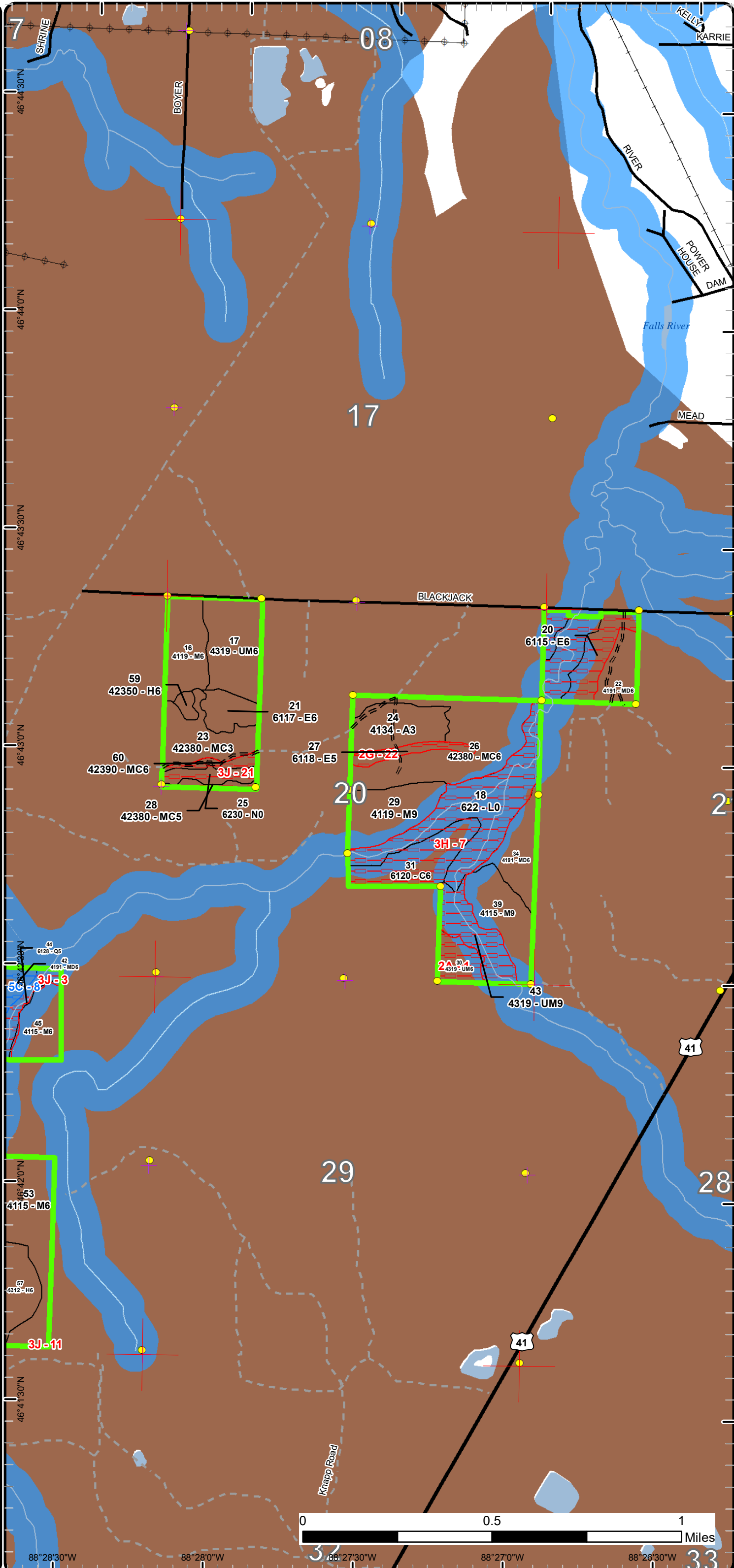


# Special Conservation Areas

Compartment: 4  
 T52N, R32W, Sec: 33  
 T51N, R32W, Sec: 04, 22, 23, 26, 27  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Keweenaw Bay  
 YOE: 2023  
 Acres: 1166.1 GIS Calculated  
 Examiner: Jason Collins  
 Map Revised: 9/20/2023  
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 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



88°28'30"W      88°28'0"W      88°27'30"W      88°27'0"W      88°26'30"W



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	67	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Cedar	0	0	0	0	0	0	0	0	0	0	0	32	19	0	0	0	0	0	51
Exposed Rock	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hemlock	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	72	74
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	7	0	11	0	0	0	0	18
Lowland Deciduous	0	0	0	0	0	0	8	0	0	0	5	0	22	0	0	0	0	0	35
Lowland Shrub	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	8	0	0	0	0	15	0	0	0	11	0	0	0	0	0	0	11	45
Northern Hardwood	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	461	534
Upland Conifers	0	17	0	0	0	0	0	0	0	0	0	7	41	0	0	0	0	27	91
Upland Mixed Forest	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	124	148
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
<b>Total</b>	<b>85</b>	<b>92</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>73</b>	<b>16</b>	<b>7</b>	<b>104</b>	<b>19</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>695</b>	<b>1165</b>





## Report 2 – Treatment Summary

Baraga Mgt. Unit

Compartment 4

Year of Entry: 2023

Acres of Harvest

Total Compartment Acres: 1,166

Commercial Harvest - 265  
 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
Hemlock	0	32	0	0	0	0	0	0	0	32
Northern Hardwood	0	192	0	0	0	0	0	0	0	192
Upland Conifers	41	0	0	0	0	0	0	0	0	41
<b>Total</b>	<b>41</b>	<b>224</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>265</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	265	0	0	0	0	0	0	0	0	265
Next Step	0	0	0	0	0	0	265	0	0	265
<b>Total</b>	<b>265</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>265</b>	<b>0</b>	<b>0</b>	<b>530</b>





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>26</b>	<b>11004026-Cut</b>	40.7	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poetimber Well	114	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Uneven-Aged	No
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Prescription Harvest all species down to 4.6 inches DBH except elm, hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch  
Specs: 20" DBH and greater shall be retained. Per Fisheries Div: I would recommend a 150 ft buffer....200 if you can. As you probably well know, potential beaver impacts are not a concern here. Due to the high spring water flows here, beaver cannot impound and thus warm the river. My buffer recommendation would be relevant to retaining visual values from the river corridor looking inward. Also, wolf trees along the riparian banks are valuable to piscivorous birds such as kingfishers, osprey, etc., and large log litter for reptiles/amphibians.

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of reserve tree species. Treatment was adjusted to reflect falls river buffer. Per Wildlife: Restrict Harvest to December 1 to March 31

Site Condition

Proposed Start Date: 10/1 /2022

<b>29</b>	<b>11004029-Cut</b>	15.3	4119 - Mixed Northern Hardwoods	Sawtimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor elm, oak, hemlock, white pine and cedar where present. Oak should  
Specs: be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Per Wildlife: Restrict harvest time to Dec 1 to March 31.

Site Condition

Proposed Start Date: 10/1 /2022

<b>45</b>	<b>11004045-Cut</b>	13.6	4115 - Y.Birch, Hemlock NH	Poetimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor elm, oak, hemlock, white pine and cedar where present. Oak should  
Specs: be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Per Wildlife: Restrict harvest time to Dec 1 to March 31.

Site Condition

Proposed Start Date: 10/1 /2022





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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>53 11004053-Cut</b>	77.0	4115 - Y.Birch, Hemlock NH	Poletimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor elm, oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Per Wildlife: Restrict harvest time to Dec 1 to March 31.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>56 11004056-Cut</b>	86.0	4115 - Y.Birch, Hemlock NH	Sawtimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor elm, oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Per Wildlife: Restrict harvest time to Dec 1 to March 31.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>57 11004057-Cut</b>	32.4	4312 - Hemlock, Mixed Deciduous	Poletimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor elm, oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Per Wildlife: Restrict harvest time to Dec 1 to March 31.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

**Total Treatment** 265  
**Acreage Proposed:**



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Collins : Examiner

Compartment: 4  
Year of Entry: 2023

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

	Acres	Acres Avail	Acres	Dominant Site Condition	Dominant Site Conditions							
					5C	2A	2G	3D	3H	3J	3L	
84	84	0	0	Aspen			0					
19	0	0	19	Cedar			0		19			
1	1	0	0	Exposed Rock								
74	69	0	6	Hemlock								6
19	0	0	18	Lowland Conifers	0		11			7		
30	8	0	21	Lowland Deciduous			6		16			
57	0	0	57	Lowland Shrub					51	6		
6	0	0	6	Marsh						6		
44	33	11	0	Mixed Upland Deciduous	11					0		
534	529	0	5	Northern Hardwood						5		
92	59	0	32	Upland Conifers				4		28		
148	24	0	125	Upland Mixed Forest		8			15	101		
8	6	0	1	Urban				1				
13	0	0	13	Water			5	1		7		
1,127	813	11	303	Total Forested Acres	11	8	22	6	101	161		6
	72%	1%	27%	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	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	109	3D: Recreational / Scenic values	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Collins : Examiner

Compartment: 4  
Year of Entry: 2023

3	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> WLD does not permit the harvest of stands with this species composition.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> wet							
7	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	101	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Collins : Examiner

Compartment: 4  
Year of Entry: 2023

15	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Boat access site.							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
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.
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**7**      4119 - Mixed Northern Hardwoods      Poletimber Well      73.3      81      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole	9		Balsam Fir	Low	>20 feet	Sapling
Basswood	5	Pole	8		Maple (spp.)	Medium	Variable	Sapling
Hemlock	10	Log	16		Cherry (spp.)	Medium	5 - 10 feet	Sapling
Red Maple	42	Pole	9	81	Ironwood	Full	5 - 10 feet	Sapling
White Pine	3	XLog	18					
Sugar Maple	37	Pole	9					
Red Pine	1	Log	16					

**8**      4130 - Aspen      Sapling Well      22.1      9      1-50      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Sapling	1	9
Red Maple	15	Sapling	1	9
Sugar Maple	2	Sapling	1	9
Quaking Aspen	63	Sapling	2	9
Yellow Birch	1	Sapling	1	9
White Pine	2	Log	16	
Hemlock	5	Log	16	
White Spruce	5	Pole	6	
Balsam Fir	5	Pole	5	

**9**      4319 - Mixed Upland Forest      Poletimber Well      61.8      111      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	9		Red Maple	Full	>20 feet	Pole
Quaking Aspen	10	Log	14		Balsam Fir	Full	>20 feet	Pole
White Pine	8	XLog/Log	18		Tag Alder	Full	10 - 20 feet	Tall Shrub
Red Maple	20	Pole	8	111	White Spruce	Full	>20 feet	Pole
Hemlock	15	Log	16		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
White Spruce	12	Log/Pole	12		Ironwood	Low	Variable	Sapling
Northern White Cedar	5	Pole	9					
Balsam Fir	18	Pole	6					
Yellow Birch	5	Pole	6					
Black Ash	2	Pole	8					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	31.7	111	81-110	N/A	2021 - Northwest corner contains steep slopes. Not all of the area was harvested last time.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Sugar Maple	20	Pole/Log	8		
		Hemlock	45	Log	14	111	
		Red Maple	25	Pole/Log	9		
		Yellow Birch	9	Pole	8		
		Basswood	1	Pole	8		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub		
		White Spruce	Low	Variable	Sapling		
		Hemlock	Low	Variable	Pole		
		Balsam Fir	Low	Variable	Sapling		
		Northern White Cedar	Low	>20 feet	Pole		
		Yellow Birch	Full	Variable	Pole		
		Maple (spp.)	Full	Variable	Pole		
11	500 - Water	Nonstocked	7.2			No	
12	4319 - Mixed Upland Forest	Poletimber Well	39.6	111	81-110	N/A	Falls River Hdwd cut in 2004
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		White Pine	10	XLog	18		
		Sugar Maple	5	Pole	5		
		Hemlock	15	Log	16		
		Yellow Birch	5	Pole	6		
		Basswood	2	Pole	8		
		Quaking Aspen	15	Log	12		
		Red Maple	25	Pole	6	111	
		Black Ash	3	Pole	6		
		Northern White Cedar	10	Pole	6		
		White Spruce	10	Log	12		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Balsam Fir	Full	>20 feet	Sapling		
		Red Maple	Full	Variable	Pole		
		White Spruce	Full	>20 feet	Sapling		
13	720 - Exposed Rock	Nonstocked	1.1		Unspecified	No	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Black Cherry	Low	10 - 20 feet	Sapling		
		Blueberry/Bilberry/Cranberry	Low	Unspecified	Tall Shrub		
14	4115 - Y.Birch, Hemlock NH	Poletimber Well	107.0	111	81-110	N/A	2021 - Heavy deer browse has made regeneration sporadic. Some blow down trees noticed from 2020 summer and fall wind storms.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Paper Birch	2	Pole	8		
		Hemlock	16	Log	14		
		Sugar Maple	40	Log/Pole	10	111	
		Red Oak	1	Log	16		
		Red Maple	30	Pole/Log	9		
		Basswood	4	Log/Pole	10		
		Yellow Birch	5	Pole	7		
		Quaking Aspen	2	Log	12		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Northern White Cedar	Low	>20 feet	Pole		
		Maple (spp.)	Full	Variable	Pole		
		Yellow Birch	Full	Variable	Pole		
		Hemlock	Low	Variable	Pole		
		White Spruce	Full	>20 feet	Sapling		
		Balsam Fir	Full	>20 feet	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																								
15	4112 - Maple, Beech, Cherry Association	Poletimber Well	19.3	111	81-110	N/A																																																																									
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16	4119 - Mixed Northern Hardwoods	Poletimber Well	17.4	111	81-110	N/A	areas with small poles where aspen had been removed. 2021 - Delay treatment until next inventory. Harvest with clear cut Stands 17 and 21.																																																																								
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17	4319 - Mixed Upland Forest	Poletimber Well	23.6	59	81-110	N/A	2021 - Aspen and balsam fir are showing there age. Harvest in 10 years with stand 21 (clear cut) and Stand 16 (single tree selection). Treatment was delayed to diversify age of clear cut stands in the compartment.																																																																								
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18	622 - Lowland Shrub	Nonstocked	51.0		Unspecified	No	Falls River corridor																																																																								
20	6115 - Lowland Ash	Poletimber Well	15.7	110	81-110	N/A	2021 - Stand consists of wet, partial flood plain of the Falls River.																																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**21** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 8.4 59 1-50 N/A Trees could be harvested next time the adjacent hardwood stand is cut again.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	15	Pole	8	
Red Maple	20	Pole/Sapling	5	
Northern White Cedar	5	Pole	7	
Quaking Aspen	15	Pole	8	
Black Ash	30	Pole/Sapling	5	59
Paper Birch	10	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Full	10 - 20 feet	Sapling
Black Ash	High	>20 feet	Sapling
Red Maple	Full	5 - 10 feet	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling

2021 - Aspen and balsam fir look better in this stand. Swale of small pole black ash runs between 21 and 17. Harvest in 10 years with stand 21 (clear cut) and Stand 16 (single tree selection). Treatment was delayed to diversify age of clear cut stands in the compartment.

**22** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.6 111 81-110 N/A 2011 - Cut in 2008 Over Par Hardwoods.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	7	Log/Pole	10	
Hemlock	25	Log	15	
Sugar Maple	3	Pole	8	
Black Ash	5	Pole	6	
Red Maple	37	Log/Pole	11	111
Paper Birch	10	Pole	6	
Black Cherry	3	Pole	5	
Yellow Birch	5	Pole	5	
Northern White Cedar	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Full	Variable	Sapling
White Spruce	Full	>20 feet	Sapling
Paper Birch	Medium	>20 feet	Sapling
Yellow Birch	Medium	>20 feet	Sapling
Balsam Fir	Full	>20 feet	Sapling

**23** 42380 - Non Pine Upland Conifer, Mixed Deciduous Sapling Well 17.4 8 1-50 N/A Cut winter 2015-2016

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
Northern White Cedar	5	Pole	8	
Quaking Aspen	15	Sapling	1	8
Hemlock	10	Log	16	
Balsam Fir	25	Sapling	1	8
Paper Birch	5	Sapling	1	

2021 - Good regen consisting of balsam fir, spruce spp. red maple and aspen clones. Looks like more black spruce should emerge between now and next inventory.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**24** 4134 - Aspen, Spruce/Fir Sapling Well 17.2 29 1-50 N/A Bovine Birch cut in 1994

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	45	Sapling	4	29
White Spruce	10	Sapling	2	29
White Pine	2	XLog	18	
White Pine	5	Sapling	3	29
Paper Birch	10	Sapling	3	29
Northern White Cedar	3	Pole	7	
Red Maple	10	Sapling	3	29
Black Cherry	5	Sapling	3	29
Balsam Fir	10	Sapling	2	29

**25** 6230 - Cattail Nonstocked 6.0 No

**26** 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 41.2 114 81-110 N/A 2021 - Stand is ready to be harvested. Aspen, spruce and balsam fir are beginning to die out.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	10	Pole	7	
White Spruce	10	Pole	8	
Black Spruce	18	Pole	9	114
Quaking Aspen	5	Pole	6	
Yellow Birch	5	Pole	6	
Hemlock	15	Log	16	
Balsam Fir	10	Pole/Sapling	7	
Red Maple	12	Pole	8	
White Pine	2	Log	16	
Paper Birch	5	Pole	8	114
Black Ash	8	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Balsam Fir	Full	>20 feet	Sapling
White Spruce	Full	>20 feet	Sapling
Tag Alder	Full	10 - 20 feet	Tall Shrub

**27** 6118 - Lowland Deciduous with Cedar Poletimber Medium 5.5 114 1-50 N/A 2021 - Stand consists of open areas with no trees, black ash swale, and areas of cedar and thick tag alder.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Pole	6	
Northern White Cedar	20	Pole	6	
Black Ash	40	Pole	6	114
Yellow Birch	10	Pole	6	
Quaking Aspen	10	Pole	6	
Red Maple	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**28** 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Medium 2.5 103 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	6	
Red Maple	33	Pole	6	103
White Spruce	27	Pole	7	
Balsam Fir	30	Pole	5	
Hemlock	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Full	>20 feet	Sapling
Tag Alder	Full	10 - 20 feet	Tall Shrub
Balsam Fir	Full	>20 feet	Sapling

**29** 4119 - Mixed Northern Hardwoods Sawtimber Well 19.7 111 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	XLog/Log	18	
Black Cherry	7	Pole	9	
Paper Birch	3	Pole	6	
White Spruce	2	Log	10	
Red Maple	70	Log/Pole	12	111
White Pine	3	Log	16	
Yellow Birch	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Full	Variable	Sapling
Red Maple	Full	Variable	Sapling
White Spruce	Full	10 - 20 feet	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling

**30** 4319 - Mixed Upland Forest Poletimber Well 8.1 111 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	
Yellow Birch	10	Pole	6	
White Spruce	5	Log	14	
Black Ash	5	Pole	6	
Northern White Cedar	10	Pole	9	
Red Maple	30	Pole/Log	9	111
Hemlock	30	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	High	Variable	Sapling
White Spruce	Full	>20 feet	Sapling
Ironwood	High	10 - 20 feet	Tall Shrub
Maple (spp.)	Full	Variable	Sapling
Balsam Fir	Full	>20 feet	Sapling

Stand was prescribed and set up in 2013 for selection harvest. Part of middle Hdwd. Treatment was terminated on 12/08/2016 due to access was blocked.

**31** 6120 - Lowland Cedar Poletimber Well 19.4 124 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	5	
Black Spruce	10	Pole	6	
Balsam Fir	10	Pole	6	
Northern White Cedar	75	Pole	7	124

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	10 - 20 feet	Tall Shrub

**32** 122 - Road/Parking Lot Nonstocked 1.2 Immature No 2021 - Silver River boat ramp and parking lot.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 429 - Mixed Upland Conifers Poletimber Well 4.1 111 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	19	Pole	6		Black Ash	High	Variable	Sapling
White Pine	3	XLog	20		Red Maple	High	Variable	Sapling
Black Ash	5	Pole	5		White Spruce	Full	>20 feet	Sapling
Hemlock	25	Log	16	111	Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	10	Pole/Log	8		Northern White Cedar	Low	>20 feet	Pole
Balsam Fir	10	Pole	6		American Elm	Low	>20 feet	Sapling
White Spruce	5	Pole/Log	8					
Red Maple	22	Pole	7					
Paper Birch	1	Pole	6	52				

**34** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 14.6 54 51-80 N/A 2021 - Look at possibly harvesting with stand 39 to the south.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
American Elm	5	Sapling/Pole	4		Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	10	Sapling	4		White Spruce	Medium	10 - 20 feet	Sapling
Black Cherry	2	Sapling	3					
Hemlock	20	Log	16					
Northern White Cedar	15	Log/Pole	10					
Red Maple	28	Pole/Sapling	6	54				
Black Ash	18	Sapling	4					
White Spruce	2	Pole	8					

**35** 500 - Water Nonstocked 2.9 Immature No Silver River

**36** 622 - Lowland Shrub Nonstocked 5.9 Unspecified No 2021 - Ogemaw Creek bottom.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	10 - 20 feet	Tall Shrub

**37** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 7.9 9 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	33	Sapling	1	9
Paper Birch	2	Sapling	1	9
White Pine	10	XLog	20	114
Red Maple	25	Sapling	1	9
Northern White Cedar	5	Pole	6	
Hemlock	25	Log	16	114



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**38**      500 - Water      Nonstocked      2.5           Immature      No      Silver River

**39**      4115 - Y.Birch, Hemlock NH      Sawtimber Well      19.0      111      81-110      N/A      2011: Taylor creek Hdwd cut in 1994. Riddle Hdwd cut in winter 2015. Unit 2, to the west was not cut. heavy deer browse.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Log/Pole	10		White Spruce	High	10 - 20 feet	Sapling
Sugar Maple	20	Pole	9		Maple (spp.)	Full	Variable	Sapling
Hemlock	25	XLog/Log	20		Black Cherry	Medium	Variable	Sapling
Red Maple	45	Log/Pole	12	111	Balsam Fir	High	10 - 20 feet	Sapling
Yellow Birch	5	Pole	8		Northern White Cedar	Medium	>20 feet	Pole
Northern White Cedar	3	Pole	9					

**40**      6128 - Lowland Coniferous, Mixed Deciduous      Poletimber Well      11.4      132      111-140      N/A      floodplain. Cedar along the Silver has a lot of blow down.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Pole	6		Black Ash	Full	>20 feet	Sapling
Paper Birch	2	Pole	6		Tag Alder	Full	10 - 20 feet	Tall Shrub
Balsam Fir	5	Pole	5		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar	40	Pole/Log	8	132	Northern White Cedar	Full	>20 feet	Pole
Red Maple	10	Pole	5		Red Maple	High	>20 feet	Sapling
White Pine	10	Log	16					
Black Ash	10	Pole/Sapling	5					
Hemlock	15	Log	14					
Black Spruce	5	Pole/Log	9					

**41**      42350 - Upland Hemlock      Sawtimber Well      8.1      111      141-170      N/A      2021 - Southern edge of stand was cut with stand 48.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole	6		Maple (spp.)	Full	>20 feet	Sapling
White Spruce	2	Log	12		Yellow Birch	Full	>20 feet	Sapling
Hemlock	80	XLog/Log	18	111	Balsam Fir	Full	10 - 20 feet	Sapling
Red Maple	8	Pole	8		White Spruce	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	5					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**42** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.7 94 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	20		Yellow Birch	High	Variable	Sapling
Yellow Birch	10	Pole	6		Balsam Fir	Full	>20 feet	Sapling
Hemlock	20	Log	16		White Spruce	Full	>20 feet	Sapling
White Spruce	5	Log	12		Maple (spp.)	Full	Variable	Sapling
Red Maple	30	Pole/Log	8	94	Ironwood	High	10 - 20 feet	Tall Shrub
Northern White Cedar	10	Pole	8					
Sugar Maple	15	Pole	8					
Black Ash	5	Pole	6					

**43** 4319 - Mixed Upland Forest Sawtimber Well 14.9 111 111-140 N/A

Stand was split from stand to the SW. BMP issues. 2021 - Taylor Creek corridor.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	30	XLog/Log	18		Yellow Birch	High	Variable	Sapling
Black Ash	5	Pole	6		White Spruce	Full	>20 feet	Sapling
Red Maple	30	Log	12	111	Ironwood	High	10 - 20 feet	Tall Shrub
Sugar Maple	10	Pole	8		Maple (spp.)	Full	Variable	Sapling
White Spruce	5	Log	12		Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	10	Pole	9					
Northern White Cedar	10	Log/Pole	10					

**44** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 7.1 115 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Pole	6		White Spruce	Full	>20 feet	Pole
Northern White Cedar	40	Pole	7	115	Yellow Birch	Full	Variable	Sapling
White Spruce	10	Pole	7		Tag Alder	Full	10 - 20 feet	Tall Shrub
Balsam Fir	10	Pole	6		Balsam Fir	Full	>20 feet	Pole
Red Maple	30	Pole	7		Red Maple	Full	Variable	Sapling

**45** 4115 - Y.Birch, Hemlock NH Poletimber Well 14.0 111 111-140 N/A

Falls river Hdwd cut in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	15	Log	16		White Spruce	Full	10 - 20 feet	Sapling
Red Oak	2	Log	14		Maple (spp.)	Full	Variable	Sapling
Red Maple	20	Pole	8		Yellow Birch	Full	Variable	Sapling
Sugar Maple	50	Log/Pole	10	111	Balsam Fir	Full	10 - 20 feet	Sapling
Basswood	3	Pole/Log	8		Leatherleaf	Medium	< 5 feet	Tall Shrub
Yellow Birch	10	Pole	7		Ironwood	High	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>46</b>	4115 - Y.Birch, Hemlock NH	Poletimber Well	8.2	111	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>	
Hemlock		20	XLog/Log	18		Maple (spp.)	
Sugar Maple		30	Pole/Log	9		White Spruce	
Red Maple		40	Log/Pole	10	111	Balsam Fir	
Yellow Birch		10	Pole	6		Yellow Birch	
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>

<b>47</b>	4136 - Aspen, Mixed Conifer	Sapling Well	29.5	9	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>	
Balsam Poplar		2	Sapling	1	9	Tag Alder	
Northern White Cedar		5	Pole	7	94		
Red Maple		15	Sapling	1	9		
Balsam Fir		5	Sapling/Pole	4			
White Spruce		5	Sapling	3			
Quaking Aspen		53	Sapling	1	9		
Black Ash		5	Sapling	3			
White Pine		10	XLog	18			
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>

<b>48</b>	4115 - Y.Birch, Hemlock NH	Sawtimber Well	89.2	111	81-110	N/A	Knapps HDWD, cut in 2016.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		45	Log/Pole	12	111	Ironwood	
Red Maple		20	Log/Pole	10		Maple (spp.)	
Yellow Birch		10	Log/Pole	10		Leatherleaf	
Basswood		3	Log/Pole	10		Yellow Birch	
Hemlock		20	Log	16		Balsam Fir	
Red Oak		2	Log	14		White Spruce	
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>

<b>49</b>	122 - Road/Parking Lot	Nonstocked	5.2			No	
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<b>50</b>	6120 - Lowland Cedar	Poletimber Medium	32.3	116	51-80	N/A	floodplain. A lot of Cedar blow down.
<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	Pole	5		Black Ash	
Paper Birch		2	Pole	6		Red Maple	
Black Ash		10	Pole/Sapling	5		Northern White Cedar	
Yellow Birch		3	Pole	6		Balsam Fir	
Red Maple		10	Pole	5		Tag Alder	
Black Spruce		5	Pole/Log	9			
Northern White Cedar		65	Pole/Log	8	116		
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**51** 6115 - Lowland Ash Poletimber Well 5.4 94 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	1	Pole	9		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	3	Log	14		Balsam Fir	Medium	Variable	Sapling
White Ash	2	Pole	8		Black Ash	Low	10 - 20 feet	Sapling
Black Ash	84	Pole	6	94				
Paper Birch	2	Pole	5					
Balsam Fir	8	Pole/Sapling	5					

**52** 500 - Water Nonstocked 1.0 Immature No

**53** 4115 - Y.Birch, Hemlock NH Poletimber Well 77.2 111 111-140 N/A Falls river Hdwd cut in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	1	Pole	8		Yellow Birch	Full	Variable	Sapling
Basswood	3	Log/Pole	10		Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	9	Pole	8		Black Cherry	High	Variable	Sapling
Sugar Maple	50	Pole/Log	9	111	Maple (spp.)	Full	Variable	Sapling
Hemlock	15	Log	16		Ironwood	High	10 - 20 feet	Sapling
Red Oak	2	Log	16		White Spruce	Full	10 - 20 feet	Sapling
Red Maple	20	Pole	8					

**54** 42390 - Mixed Non-Pine Upland Conifers Poletimber Well 23.0 111 81-110 N/A est. ba=80

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	30	Log	15	111	Balsam Fir	Full	>20 feet	Sapling
Balsam Fir	25	Pole	5		White Spruce	High	>20 feet	Sapling
Yellow Birch	5	Pole	5		Red Maple	Full	Variable	Tall Shrub
Red Maple	10	Pole	7		Tag Alder	High	10 - 20 feet	Tall Shrub
Sugar Maple	10	Pole	7					
White Spruce	10	Pole/Log	9					
Northern White Cedar	10	Pole	9					

**55** 122 - Road/Parking Lot Nonstocked 1.2 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**56**      4115 - Y.Birch, Hemlock NH      Sawtimber Well      89.7      111      111-140      N/A      Ogemaw Creek Hdwd cut in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	12	111	White Spruce	Full	10 - 20 feet	Sapling
Yellow Birch	10	Log/Pole	12		Yellow Birch	Full	Variable	Sapling
Basswood	3	Log/Pole	10		Maple (spp.)	Full	10 - 20 feet	Sapling
Red Oak	2	Log	16		Ironwood	High	10 - 20 feet	Sapling
Red Maple	19	Log/Pole	12		Balsam Fir	Full	10 - 20 feet	Sapling
Hemlock	25	Log	16					
White Spruce	1	Log/Pole	12					

**57**      4312 - Hemlock, Mixed Deciduous      Poletimber Well      32.4      111      111-140      N/A      Falls River Hdwd cut in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole/Log	9		Ironwood	Full	10 - 20 feet	Sapling
Yellow Birch	10	Pole	8		Maple (spp.)	Full	Variable	Pole
Red Maple	20	Pole/Log	9		Yellow Birch	Full	Variable	Sapling
Hemlock	50	Log	16	111	White Spruce	Medium	10 - 20 feet	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling

**58**      4134 - Aspen, Spruce/Fir      Sapling Well      15.1      9      1-50      N/A      2021 - Abundant aspen regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	5	
Hemlock	5	Log	14	
Quaking Aspen	60	Sapling	1	9
White Spruce	10	Pole	5	
White Pine	5	XLog	18	
Red Maple	10	Sapling	1	9

**59**      42350 - Upland Hemlock      Poletimber Well      2.0      119      141-170      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	70	Pole	8	119	Balsam Fir	Low	>20 feet	Sapling
White Spruce	5	Pole	6					
Red Maple	5	Pole	6					
Paper Birch	10	Pole	6					
Quaking Aspen	5	Pole	6					
Northern White Cedar	5	Pole	6					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**60** 42390 - Mixed Non-Pine Upland Conifers Poletimber Well 3.5 103 81-110 N/A RMZ

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	7	
Paper Birch	5	Pole	6	
Quaking Aspen	4	Pole	8	
Northern White Cedar	5	Pole	8	
Hemlock	10	Log	16	
White Pine	5	XLog	18	
Balsam Fir	30	Pole	7	103
Jack Pine	1	Pole/Log	9	
White Spruce	20	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Full	Variable	Sapling
Red Maple	Full	Variable	Sapling
Balsam Fir	Full	Variable	Sapling
Paper Birch	Medium	>20 feet	Sapling