



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11022

Entry Year 2022

Acreage: 3,762

County Baraga

Management Area: Covington-Ned Lake

Revision Date: 2020-04-20

Stand Examiner: Jason Mittlestat

Legal Description:

Baraga County. Covington Township.
T48N; R33W. Sec. 8, 9, 16, 17, 19, 20, 21, 22, 26, 27, 28, and 29.

Identified Planning Goals:

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

Soil and topography:

Terrain is level to rolling with low ridges, and broad wetlands. Soils are Carbondale and Tacoosh mucks, Dawson and Greenwood peats, Champion Cobbly silt loams, and Champion-Net-Michigamme complex.

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

Cover types are the same on adjacent ownerships. Adjacent landowners are primarily private individuals. Lands to the south are primarily owned by the State.

Unique Natural Features:

Vermilac Lake and Parent Lake are included in this compartment.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

Parent Lake is part of this compartment. The Vermilac River crosses a small part of this compartment and is not listed as a trout stream. Maintain best management practices when cutting near this stream. The streams here are warm water corridors and beaver activity can be encouraged if possible (thus aiding furbearers, moose, and riparian obligate species).

Wildlife Habitat Considerations:

This compartment provides valuable wildlife habitat to grouse, deer, bear, furbearers, woodland raptors and neo tropical migrant song birds. Moose are of particular importance in this area and frequent this compartment. Accordingly, management activities which conserve deep shade adjacent to aquatic feedings sites is desired for thermal regulation of moose during the summer. Maintenance of wildlife movement corridors particularly along riparian influence zones is a wildlife emphasis. Along with improvement of within stand structural and species composition of hardwood associations through under planting of conifer species such as eastern hemlock.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located one mile east, in Section 15. Sand & gravel potential within the compartment appears to be limited due to shallow bedrock (Michigamme Formation) and numerous wetlands. Some potential exists on the upland areas. There is no record of past metallic mineral exploration or leasing within the compartment. There has been some recent leasing activity approximately four miles to the southwest, where some existing data suggests there is metallic mineral potential. Potential beneath the compartment seems less likely, but not enough information currently exists to say for certain. There is no known 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:

Vehicle access to the compartment is by means of US-41/M-28, Old M-28 and the Murphy Rd. which ends approximately ¼ mile east of the Murphy River in the NENE of sec. 25. An all season two track road extends from the county road, eastward to the Vermilac River, thence south for approximately ½ mile. The balance of the road system in the compartment is limited to 4x4, and ORV traffic. Much of the area is very wet, and is limited to winter access.

Survey Needs:

Some survey work will need to be done to facilitate timber harvest activities.

Recreational Facilities and Opportunities:

Parent Lake access site and the North East end of Vermilac Lake are in this compartment.

Fire Protection:

This is not a fire prone area. The rugged terrain and lack of all season roads could hinder fire operations if ever needed.

Additional Compartment Information:**The following reports from the Inventory are attached:**

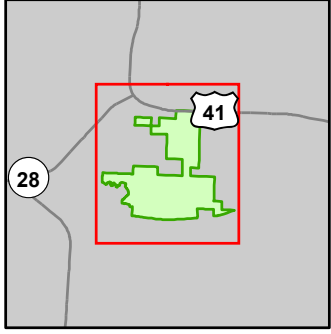
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

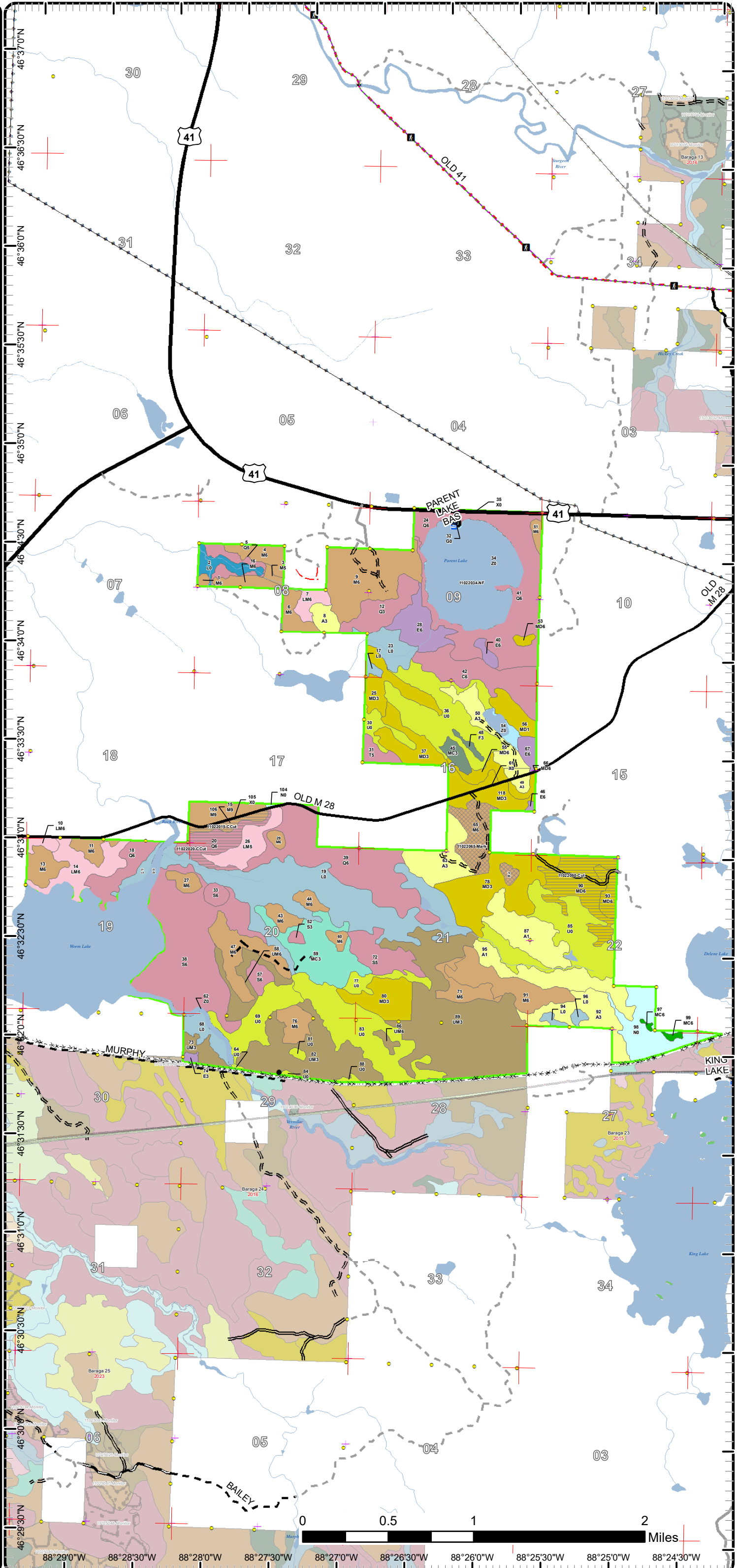
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 22
 T48N, R33W, Sec. 8, 9, 16, 19-22, 27-29
 County: Baraga
 Unit: Baraga
 Mgmt Area: Covington-Ned Lake
 YOE: 2022
 Acres: 3,762 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 10/2/2020
 Map Phase: Post Review

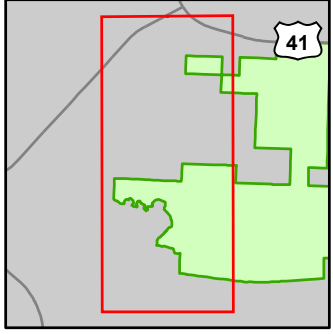


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- Remonumented Section Corners
- Survey Grade Corners
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- DNR - Forest Access Route
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- Private - Paved Road
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- Island in Lake or River
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- Lakes and Rivers
- Toilet
- Boating Access Site
- City
- Pipeline
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
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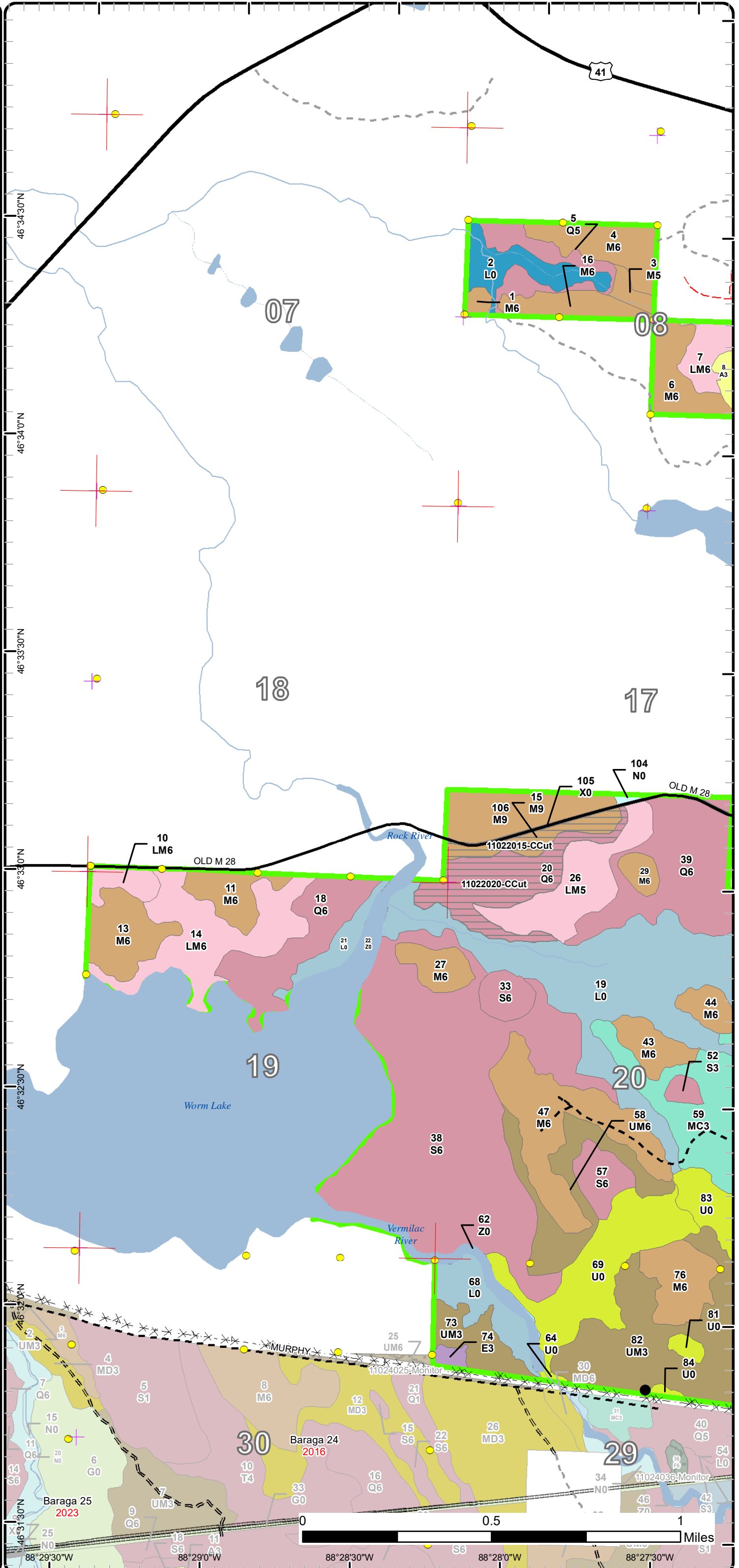


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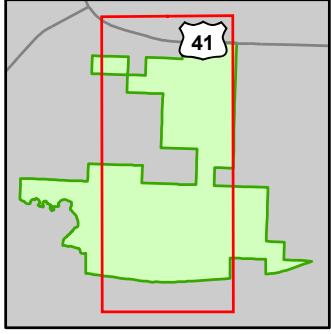


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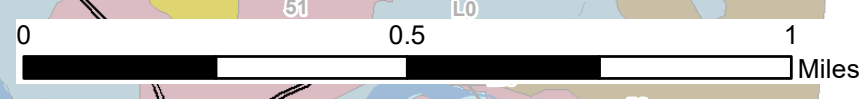
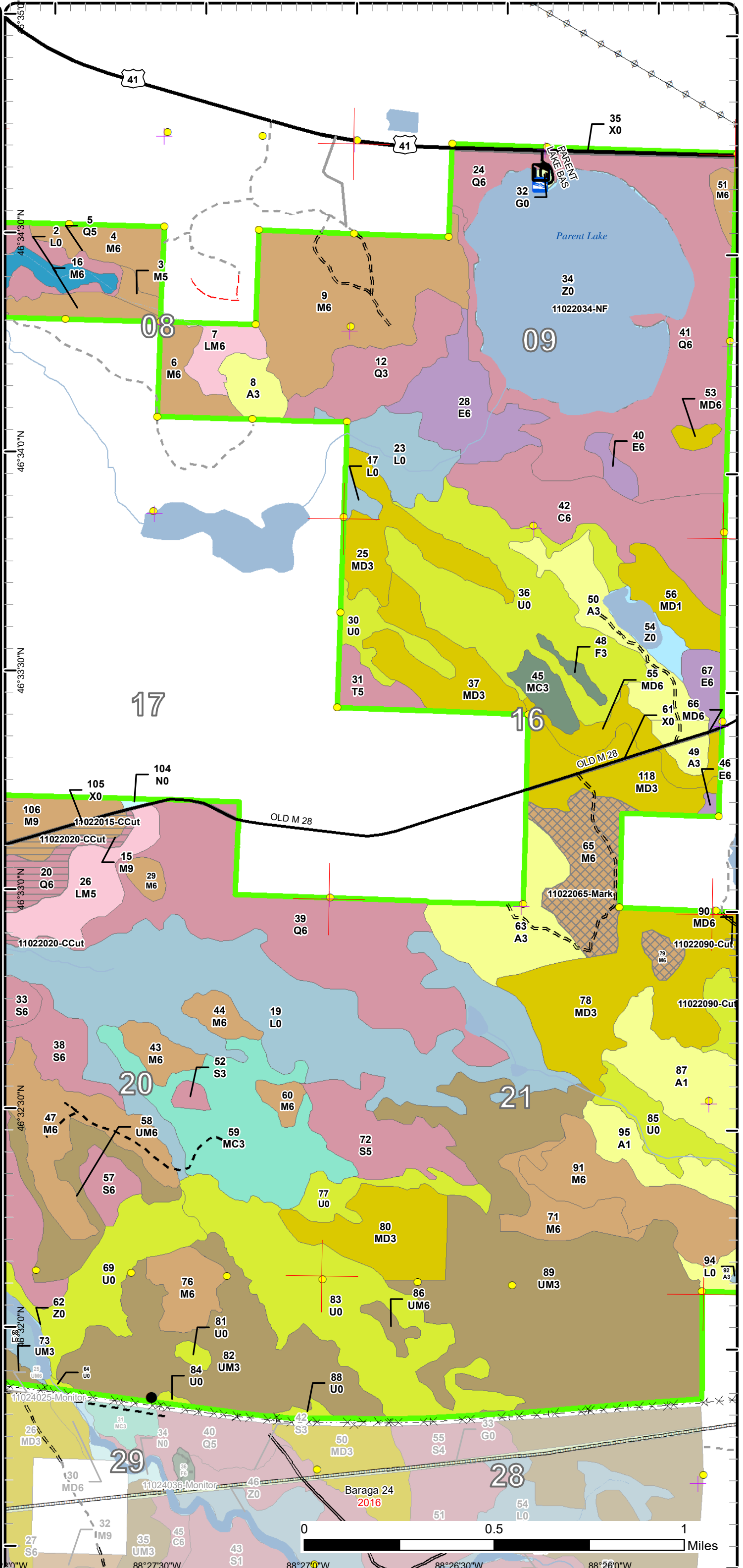


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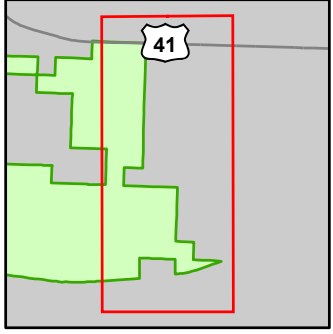
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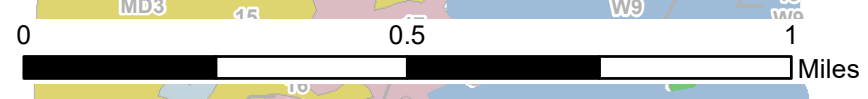
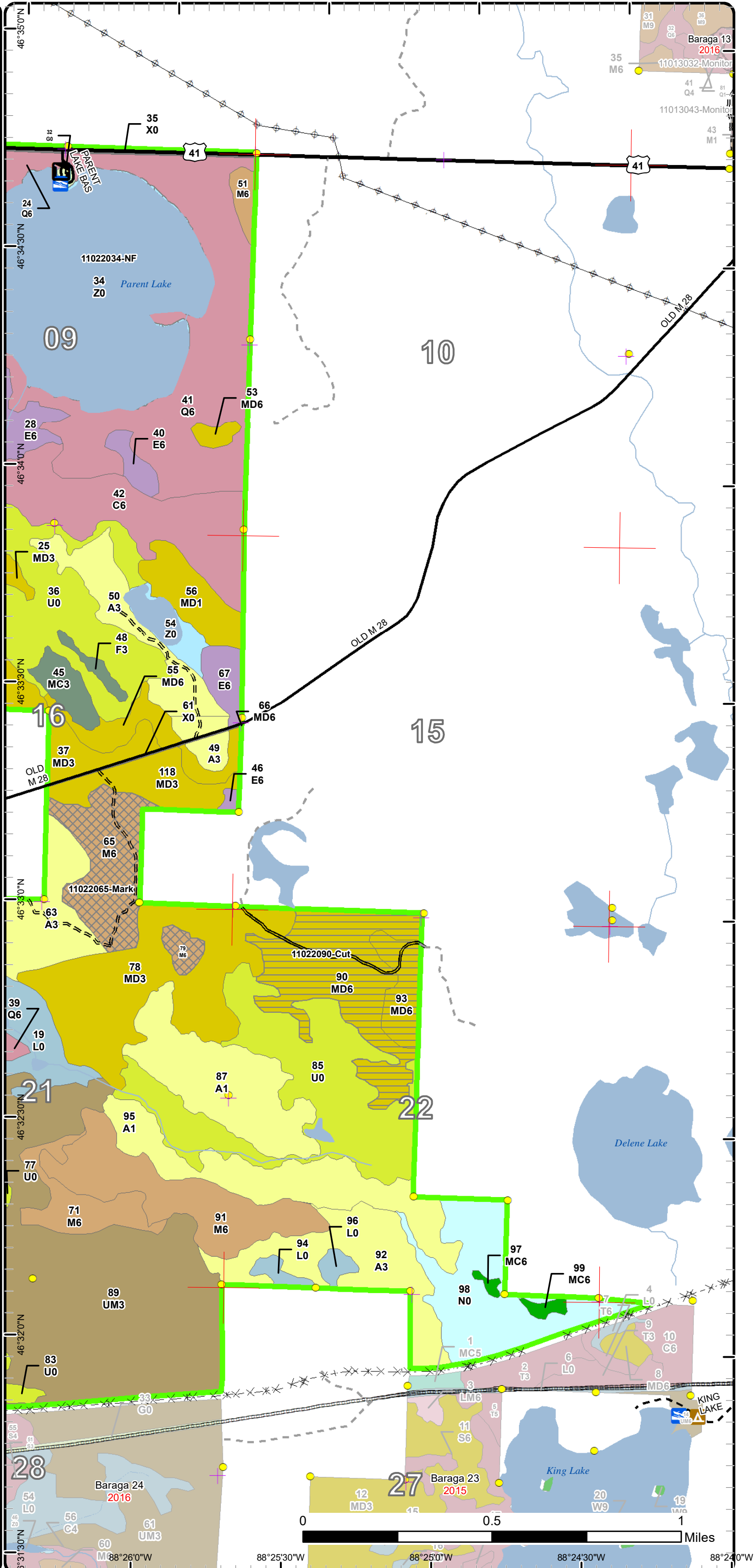
88°27'0"W 88°26'30"W 88°26'0"W
 Vermilion River

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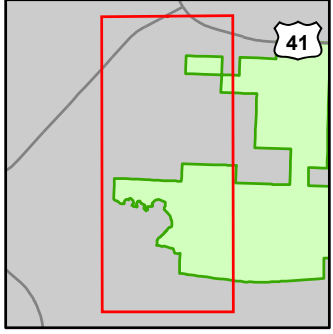
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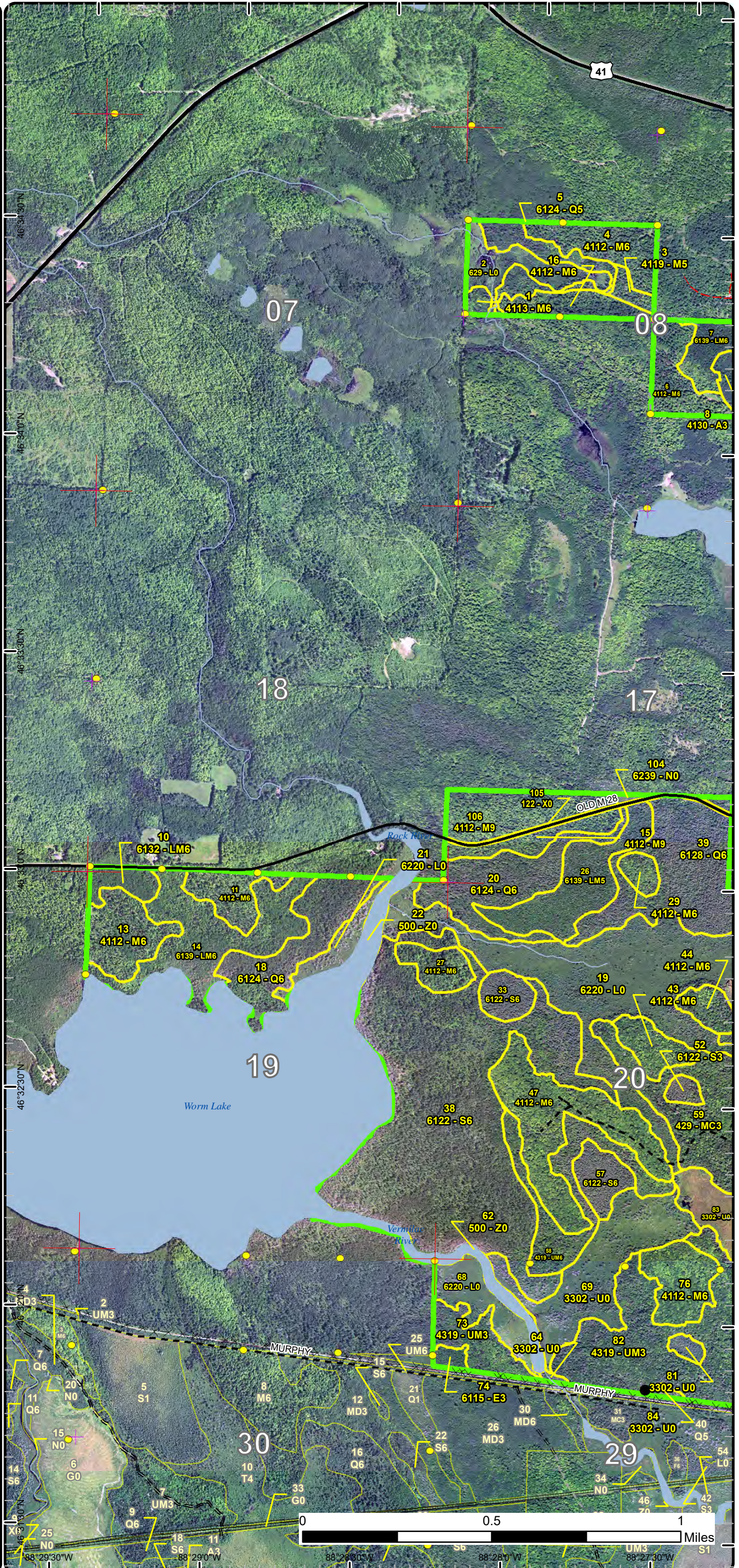
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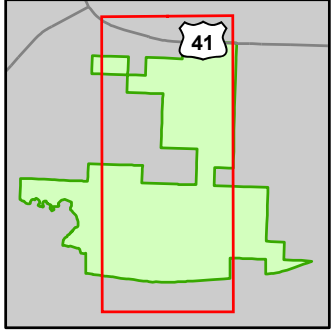


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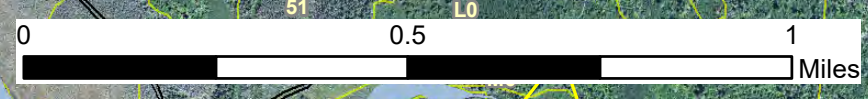
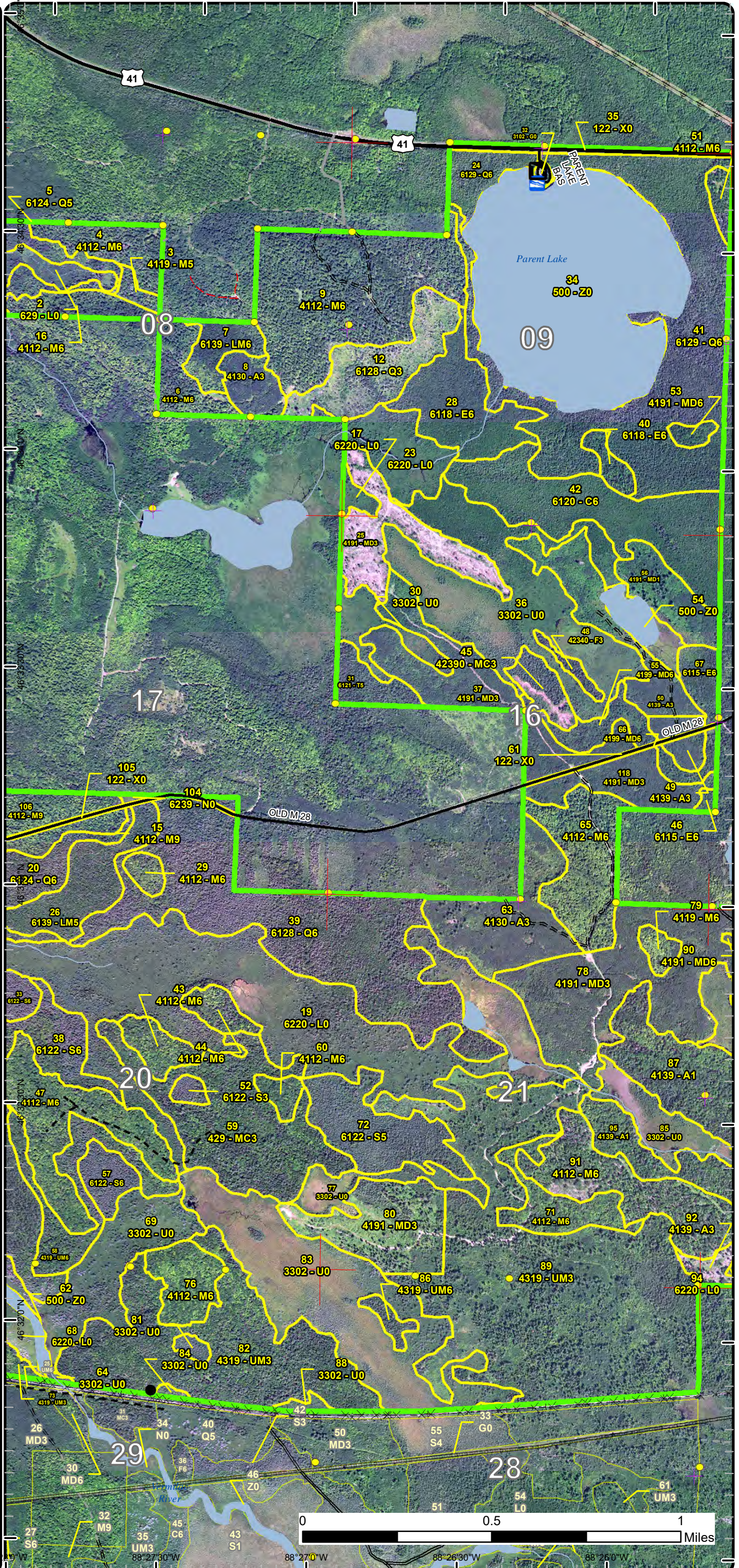


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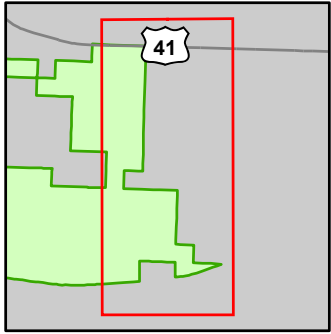
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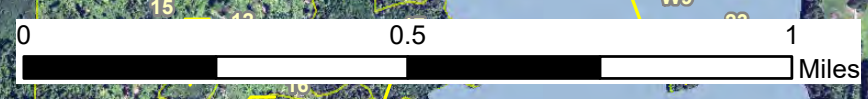
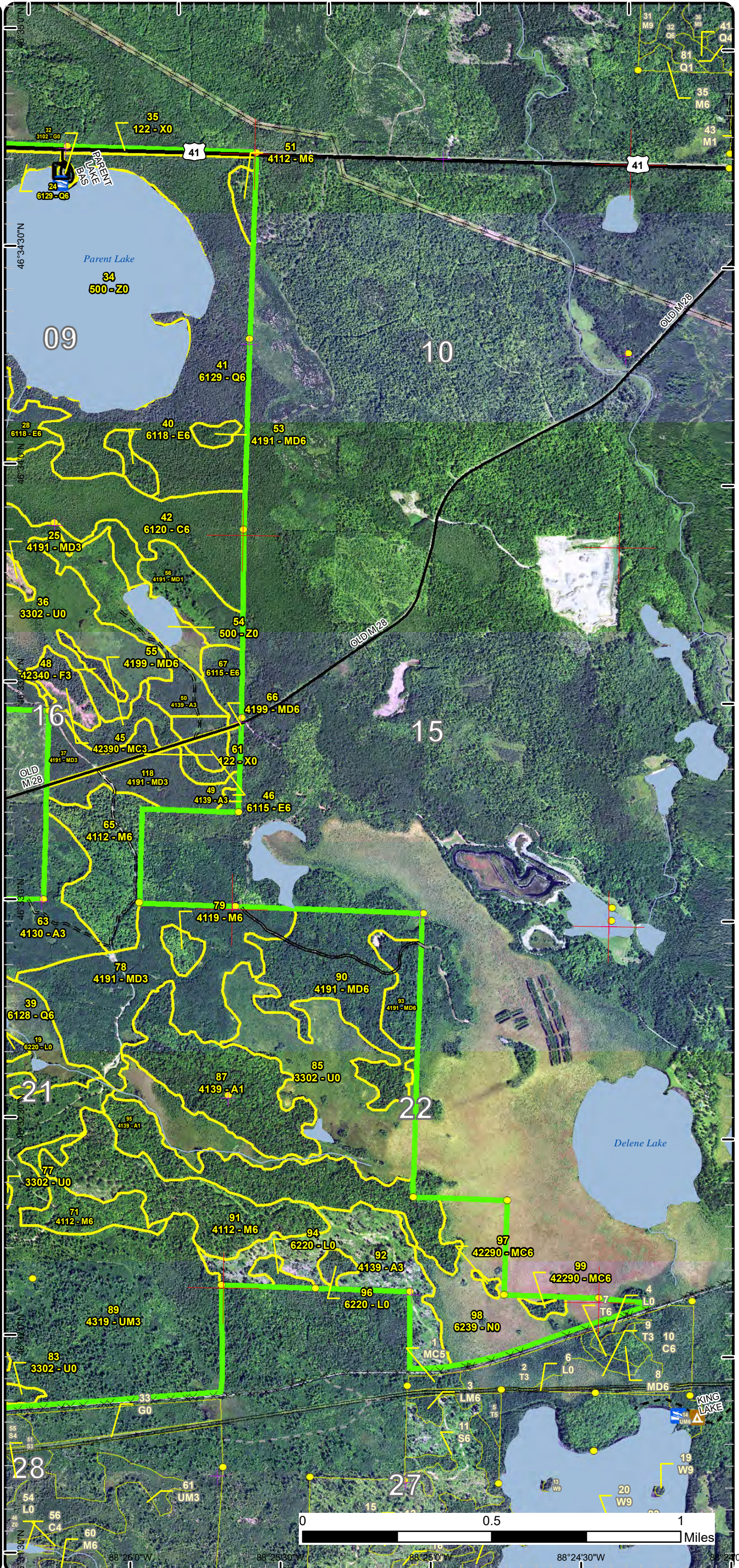
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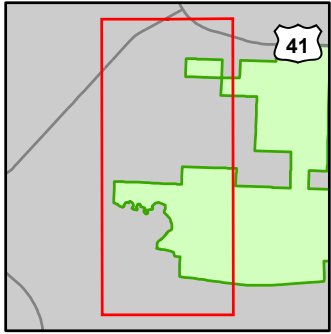
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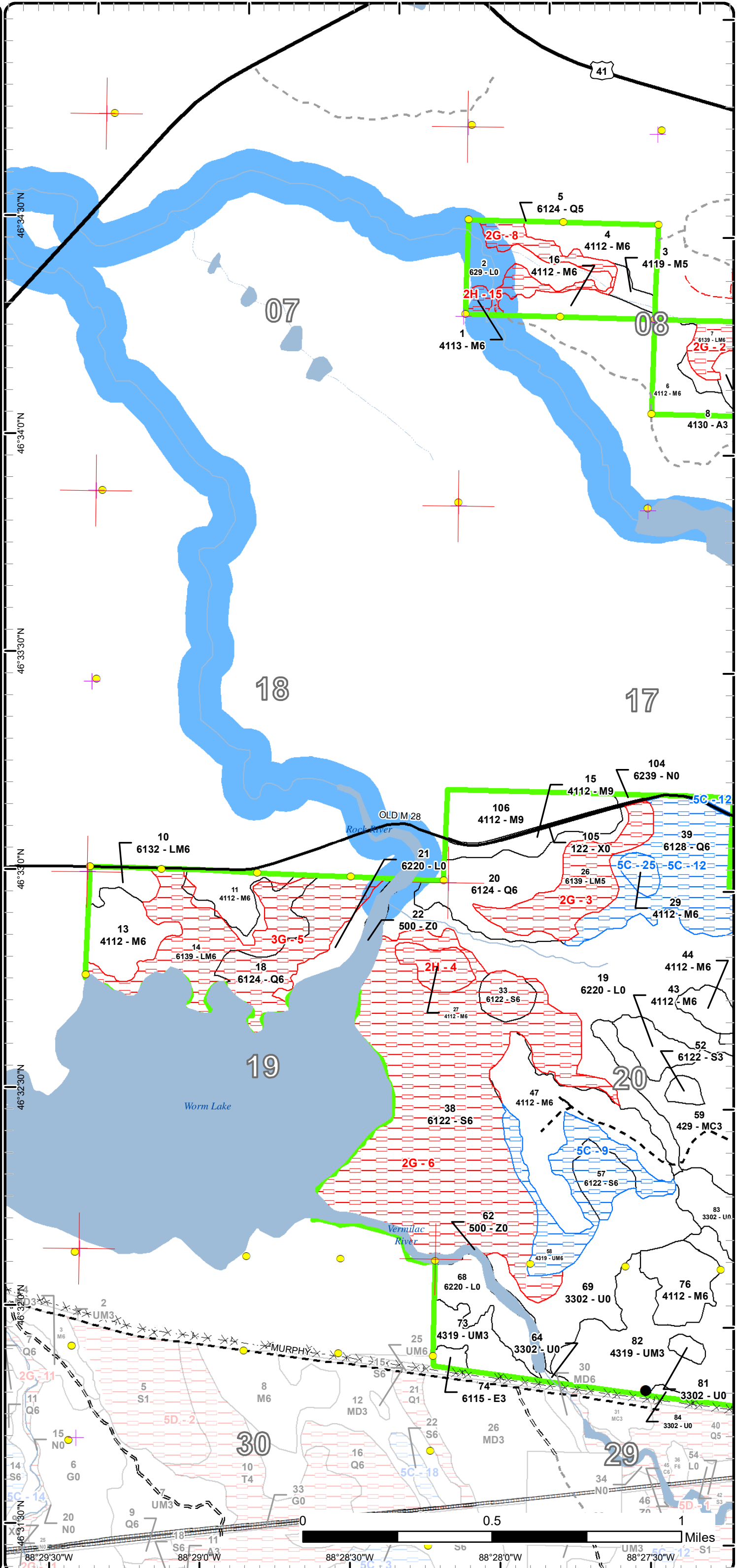
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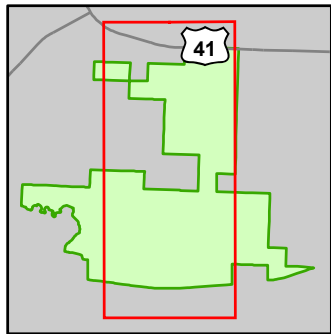


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 - Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
 2G: Too wet (sensitive soils, does not include access issues)
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 3G: Other Influence zones - See comments
- Stand Boundaries
 - Cold Water Streams
 - Cold Water Lakes
 - High Priority Trout Stream Buffer

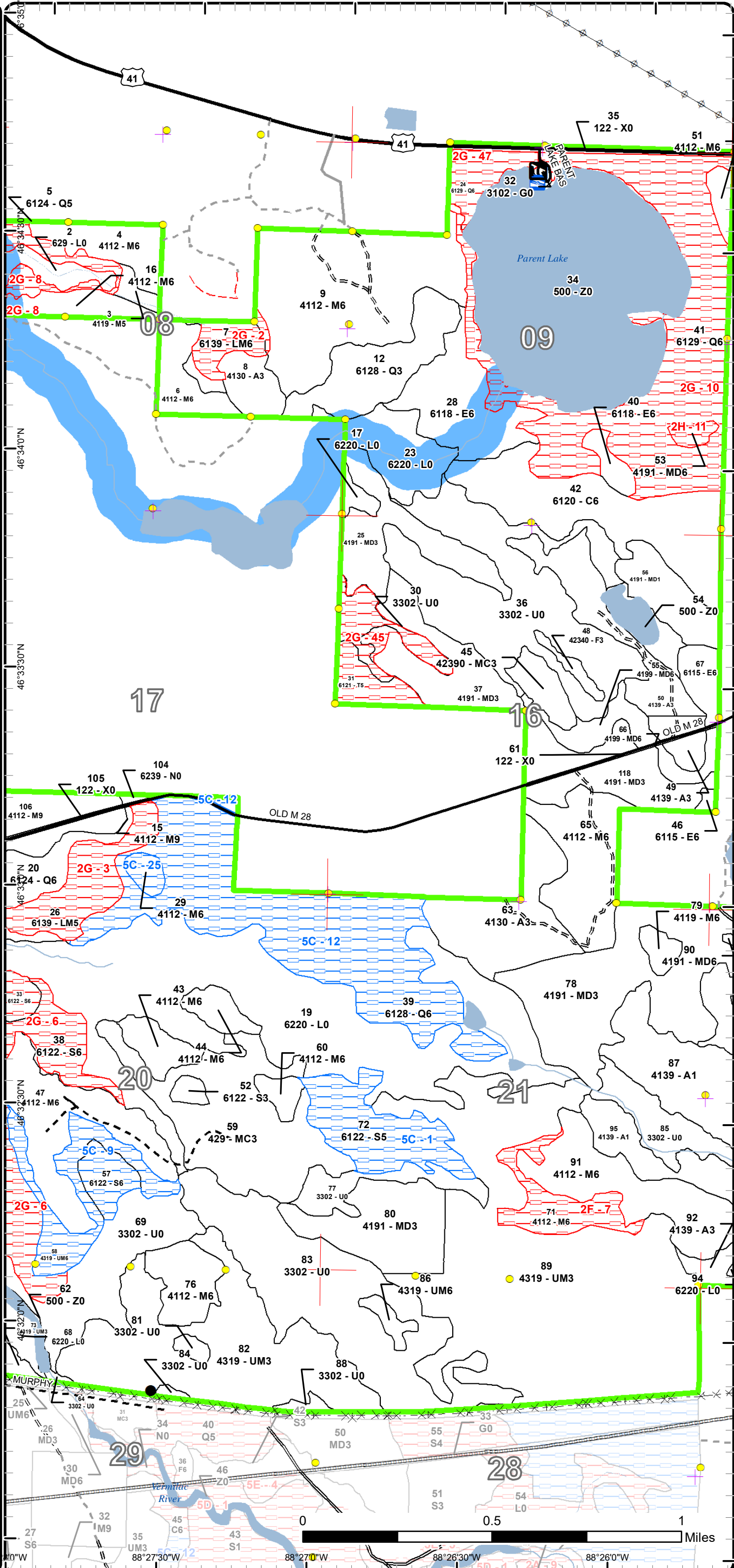


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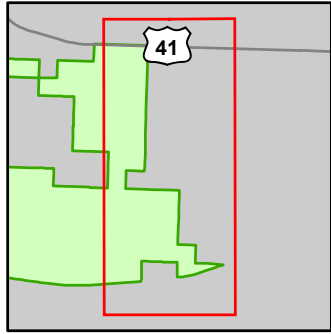
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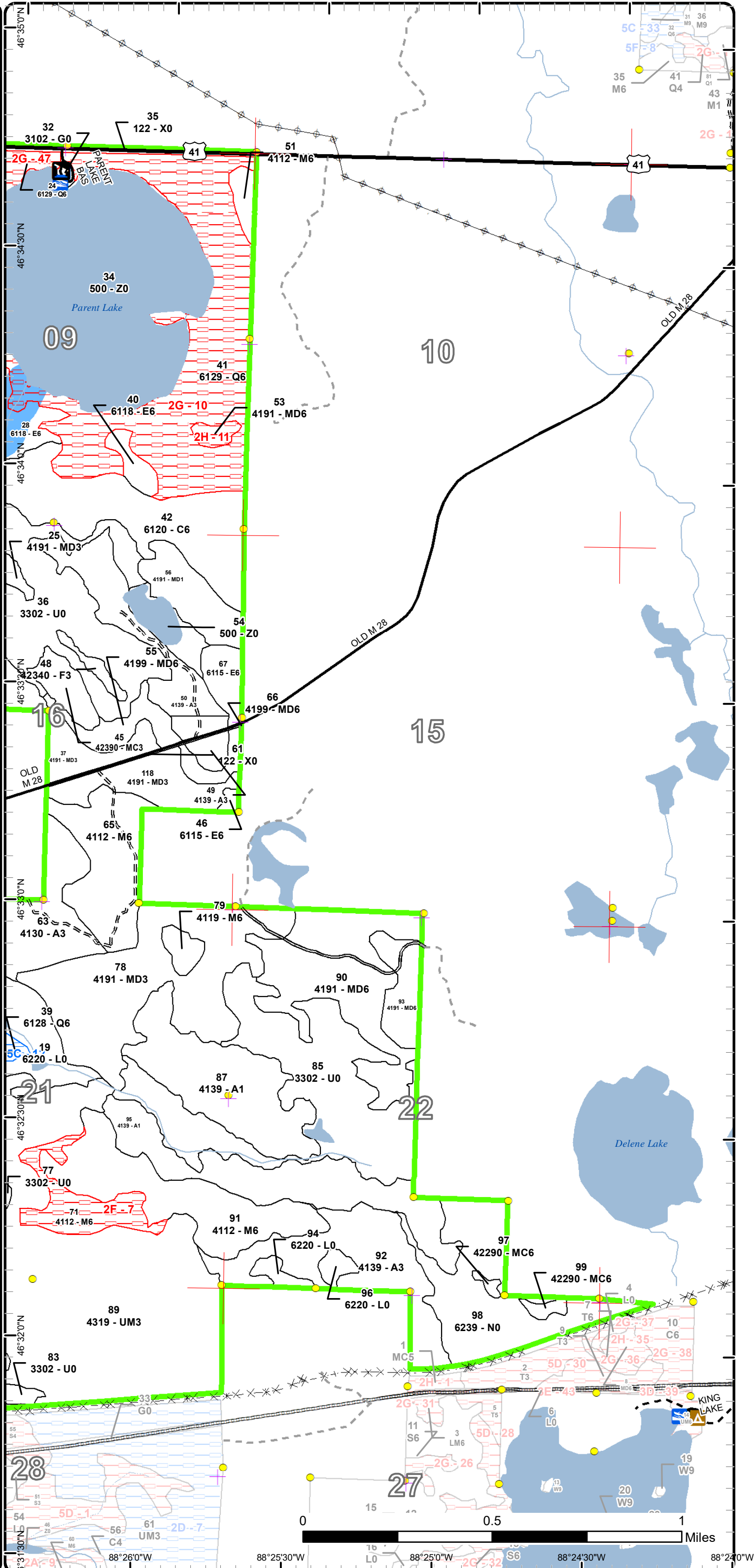
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	118	83	24	0	0	0	0	0	0	0	0	0	0	0	0	0	64	289
Cedar	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	76
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	426
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	165	0	223	0	0	0	57	445
Lowland Deciduous	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	66
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	9	50	0	0	0	0	53	112
Lowland Shrub	323	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	322
Lowland Spruce/Fir	0	4	0	0	0	0	0	0	0	42	0	233	0	0	0	0	0	0	279
Marsh	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Mixed Upland Deciduous	0	83	24	181	0	0	108	0	0	0	0	4	0	0	0	0	0	0	400
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	498	508
Tamarack	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Upland Conifers	0	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Upland Mixed Forest	0	131	252	0	0	0	0	0	0	0	0	5	0	0	0	0	0	32	420
Upland Spruce/Fir	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Water	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	220
Total	1052	438	359	205	0	0	108	0	0	56	0	502	50	227	0	0	0	767	3762



Report 2 – Treatment Summary

Baraga Mgt. Unit

Compartment 22

Year of Entry: 2022

Acres of Harvest

Total Compartment Acres: 3,762

Commercial Harvest - 190
 Harvests with Site Condition - 0
 Next Step Harvest - 38
 Habitat Cut - 38

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	38	0	0	0	0	0	0	0	0	38
Mixed Upland Deciduous	88	0	0	0	0	0	0	0	0	88
Northern Hardwood	13	51	0	0	0	0	0	0	0	64
Total	138	51	0	0	0	0	0	0	0	190

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	190	0	0	0	0	0	0	184	0	373
Next Step	38	0	0	0	0	0	151	0	0	190
Total	228	0	0	0	0	0	151	184	0	563



Stand Name	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:

15	11022015-CCut	12.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	109	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

20	11022020-CCut	38.1	6124 - Lowland Spruce-Fir	Poletimber Well	120	Unspecified	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, cedar and white pine. Also, reserve red oak if present. All yellow birch 20" DBH and greater shall be retained.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Harvest, Clearcut</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

34	11022034-NF	183.9	500 - Water	Nonstocked		Unspecified	NonForestMgt	Other - Specify	500 - Water		No
<p><u>Prescription</u> Planting wild rice</p> <p><u>Specs:</u> On going treatment.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
65 11022065-Mark	45.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	109	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 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</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>										
79 11022079-Mark	6.0	4119 - Mixed Northern Hardwoods	Poletimber Well	109	81-110	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 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</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>										
90 11022090-Cut	87.5	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	58	111-140	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, cedar, white pine and oak. All yellow birch 20" DBH and greater shall be retained.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2021</p>										

Total Treatment 373.4
Acres Proposed:

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 22
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	2F	2G	2H	3G
289	289	0	0	Aspen					
76	76	0	0	Cedar					
2	2	0	0	Herbaceous Openland			0		
426	410	0	16	Low-Density Trees			16		
446	78	148	220	Lowland Conifers	148		183		37
66	66	0	0	Lowland Deciduous					
111	15	0	96	Lowland Mixed Forest			47		49
322	322	0	0	Lowland Shrub					
279	5	55	219	Lowland Spruce/Fir	55		219		
65	65	0	0	Marsh					
399	393	0	7	Mixed Upland Deciduous			3	4	
4	4	0	0	Natural Mixed Pines					
509	463	6	40	Northern Hardwood	6	23	1	14	1
14	0	0	14	Tamarack			14		
95	95	0	0	Upland Conifers					
420	388	32	0	Upland Mixed Forest	32				
4	4	0	0	Upland Spruce/Fir					
15	15	0	0	Urban					
221	221	0	0	Water			0		
3,762	2,910	240	612	Total Forested Acres	240	23	483	18	87
	77%	6%	16%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 22
Year of Entry: 2022

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3G: Other Influence zones - See comments	87	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	219	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 22

Year of Entry: 2022

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	150	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	148	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 22
Year of Entry: 2022

15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4113 - R.Maple, Conifer	Poletimber Well	2.9	109	81-110	N/A	2010: Factor limited-- Poor access, Small acreage. 2020: Stand was not physically looked at in 2020.
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2	629 - Mixed non-forested wetland	Nonstocked	18.8		Unspecified	No	Lateral Creek and intermittent drainage.
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3	4119 - Mixed Northern Hardwoods	Poletimber Medium	4.4	109	51-80	N/A	Parent Lake Hdwd, cut in 2015. 2010: Remove balsam to regenerate cherry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole	7	109	Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	7		Balsam Fir	Full	Variable	Sapling
Paper Birch	2	Pole	6					
Balsam Fir	33	Pole	6					
Northern White Cedar	5	Pole	6					
Black Cherry	15	Pole	6					

4	4112 - Maple, Beech, Cherry Association	Poletimber Well	22.0	109	51-80	N/A	High Bluff Hdwd cut in 1995. Parent Lake Hdwd, cut in 2015.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole/Log	9	109	Yellow Birch	High	Variable	Sapling
Red Maple	35	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Yellow Birch	10	Pole	7		Black Cherry	Full	Variable	Sapling
Black Cherry	5	Pole	6		Maple (spp.)	Full	Variable	Sapling

5	6124 - Lowland Spruce-Fir	Poletimber Medium	17.3	42	51-80	N/A	wet
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7	109	Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	7		Balsam Fir	Full	Variable	Sapling
Paper Birch	2	Pole	6					
Balsam Fir	33	Pole	6	42				
Northern White Cedar	5	Pole	6					
Black Cherry	15	Pole	6					
Black Spruce	25	Pole	6					

6	4112 - Maple, Beech, Cherry Association	Poletimber Well	19.3	109	51-80	N/A	High Bluff Hdwd, cut in 1995 Parent Lake Hdwd, cut in 2015.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole/Log	9	109	Yellow Birch	High	Variable	Sapling
Red Maple	35	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Yellow Birch	10	Pole	7		Black Cherry	Full	Variable	Sapling
Black Cherry	5	Pole	6		Maple (spp.)	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	6139 - Mixed Lowland Forest	Poletimber Well	15.0	110	81-110	N/A	LM6 Wet
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole	6	110	Red Maple	Full	Variable	Sapling
Yellow Birch	5	Pole	6		Balsam Fir	Full	Variable	Sapling
Balsam Fir	25	Pole	6		White Spruce	Full	Variable	Sapling
White Spruce	5	Pole	6		Black Ash	High	10 - 20 feet	Sapling
Black Spruce	15	Pole	6					
Northern White Cedar	10	Pole	6					
Black Ash	10	Pole	6					

8	4130 - Aspen	Sapling Well	14.2	24	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Sapling	2	24
Paper Birch	2	Sapling	2	24
Quaking Aspen	68	Sapling	2	24
Balsam Fir	10	Sapling	2	24
White Spruce	3	Sapling	2	24
Black Cherry	2	Sapling	2	24

9	4112 - Maple, Beech, Cherry Association	Poletimber Well	105.8	109	51-80	N/A	high bluff Hdwd, cut in 1994.Parint Lake Hdwd, cut in 2015.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole/Log	9	109	Yellow Birch	High	Variable	Sapling
Red Maple	35	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Yellow Birch	10	Pole	7		Black Cherry	Full	Variable	Sapling
Black Cherry	5	Pole	6		Maple (spp.)	Full	Variable	Sapling

10	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	8.7	100	111-140	N/A	Wet
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	5		Yellow Birch	High	Variable	Sapling
Yellow Birch	5	Pole/Log	9		Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	3	Pole	4		Northern White Cedar	Full	>20 feet	Pole
White Spruce	2	Pole	7		Hemlock	High	5 - 10 feet	Sapling
Northern White Cedar	40	Pole	4	100				
Hemlock	5	Pole	8					
Black Ash	30	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11 4112 - Maple, Beech, Cherry Association Poletimber Well 15.3 109 51-80 N/A Cut Winter 2012-13. Slipping Hdws.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	9		Yellow Birch	Full	Variable	Sapling
Red Maple	43	Pole/Log	9	109	Balsam Fir	High	10 - 20 feet	Sapling
Yellow Birch	5	Log	7		White Spruce	Full	5 - 10 feet	Sapling
Basswood	5	Pole	6		Hemlock	Medium	>20 feet	Pole
Red Oak	2	Log	17		Black Cherry	Full	>20 feet	Pole
Black Cherry	5	Pole	7		Maple (spp.)	Full	Variable	Sapling

12 6128 - Lowland Coniferous, Mixed Deciduous Sapling Well 40.2 5 1-50 N/A Parent Lake Hdwd. cut in 2015.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Sapling	1	5
Black Spruce	20	Sapling	1	5
Northern White Cedar	15	Pole	7	110
Tamarack	5	Sapling	1	5
Black Ash	5	Sapling	1	5
Red Maple	20	Sapling	1	5
Balsam Fir	20	Sapling	1	

13 4112 - Maple, Beech, Cherry Association Poletimber Well 23.7 109 51-80 N/A Cut winter 2012-13, Slipping Hdws

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Log	9		Yellow Birch	Full	Variable	Sapling
Sugar Maple	43	Pole/Log	9	109	Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	5	Log	7		White Spruce	Full	>20 feet	Sapling
Basswood	5	Pole	6		Hemlock	Medium	10 - 20 feet	Sapling
Red Oak	2	Log	16		Black Cherry	High	>20 feet	Sapling
Black Cherry	5	Pole	7		Maple (spp.)	Full	Variable	Sapling

14 6139 - Mixed Lowland Forest Poletimber Well 52.9 120 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	6		Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	7		Northern White Cedar	Full	10 - 20 feet	Sapling
Balsam Fir	15	Pole	5		Black Ash	Full	10 - 20 feet	Sapling
Black Spruce	25	Pole	7	120	Maple (spp.)	High	Variable	Sapling
Northern White Cedar	15	Pole	5					
Black Ash	20	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15 4112 - Maple, Beech, Cherry Association Sawtimber Well 12.7 109 81-110 N/A 2020: heavy balsam understory, low quality hardwood stand with dieback.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log	12	109	Balsam Fir	Full	>20 feet	Sapling
Red Maple	25	Pole	6		White Spruce	High	>20 feet	Sapling
Yellow Birch	10	Pole/Log	9		Black Cherry	High	Variable	Sapling
Paper Birch	2	Pole	8		Maple (spp.)	Full	Variable	Sapling
Black Cherry	13	Pole	7					

16 4112 - Maple, Beech, Cherry Association Poletimber Well 14.5 109 51-80 N/A High Bluff Hdwd, cut in 1995
Parent Lake Hdwd, cut in 2015.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole/Log	9	109	Yellow Birch	High	Variable	Sapling
Red Maple	35	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Yellow Birch	10	Pole	7		Black Cherry	Full	Variable	Sapling
Black Cherry	5	Pole	6		Maple (spp.)	Full	Variable	Sapling

17 6220 - Alder/willow Nonstocked 4.4 Unspecified No

18 6124 - Lowland Spruce-Fir Poletimber Well 37.1 120 Unspecified N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole	5		Black Spruce	Full	10 - 20 feet	Sapling
Black Spruce	40	Pole	7	120	Northern White Cedar	Full	10 - 20 feet	Pole
Northern White Cedar	25	Pole	5		Black Ash	Full	5 - 10 feet	Sapling
Black Ash	20	Pole	6					

19 6220 - Alder/willow Nonstocked 229.8 Unspecified No

20 6124 - Lowland Spruce-Fir Poletimber Well 38.1 120 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole	5		Black Spruce	Full	10 - 20 feet	Sapling
Black Spruce	40	Pole	7	120	Northern White Cedar	Full	10 - 20 feet	Sapling
Northern White Cedar	25	Pole	5		Black Ash	Full	10 - 20 feet	Sapling
Black Ash	20	Pole	6					

21 6220 - Alder/willow Nonstocked 11.9 Unspecified No

22 500 - Water Nonstocked 10.0 Unspecified No Rock River



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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23 6220 - Alder/willow Nonstocked 29.2 Unspecified No Lateral Creek corridor.

24 6129 - Mixed Coniferous Lowland Forest Poletimber Well 15.1 100 81-110 N/A wet

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	7		Black Spruce	Medium	5 - 10 feet	Sapling
Black Spruce	40	Pole	6	100	Northern White Cedar	High	10 - 20 feet	Pole
Northern White Cedar	30	Pole	6					
Tamarack	20	Pole	6					

25 4191 - Mixed Upland Deciduous with Conifer Sapling Well 37.8 4 Immature N/A BigFoot Fir Cut winter 2015-2016. 11-010-12-01

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	36	Sapling	1	4
Yellow Birch	2	Pole/Log	7	
Quaking Aspen	10	Sapling	1	4
Balsam Fir	20	Sapling	1	4
White Spruce	12	Sapling	1	4
Northern White Cedar	5	Pole	6	
Black Cherry	15	Sapling	1	4

26 6139 - Mixed Lowland Forest Poletimber Medium 34.9 115 1-50 N/A wet

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	35	Pole	5		Red Maple	Full	Variable	Sapling
Northern White Cedar	15	Pole	5		Balsam Fir	High	10 - 20 feet	Sapling
Black Ash	50	Pole	6	115	Black Spruce	High	10 - 20 feet	Sapling
					Northern White Cedar	Low	10 - 20 feet	Sapling
					Witch Hazel	Full	5 - 10 feet	Tall Shrub

27 4112 - Maple, Beech, Cherry Association Poletimber Well 11.4 109 81-110 N/A Factor Limited Blocked by Swamp 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	55	Pole/Log	9	109	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	30	Pole/Log	9		White Spruce	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Pole	8		Northern White Cedar	Low	10 - 20 feet	Pole
Black Cherry	10	Pole	6		White Pine	Low	10 - 20 feet	Sapling
					Black Cherry	High	5 - 10 feet	Sapling
					Maple (spp.)	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
28	6118 - Lowland Deciduous with Cedar	Poletimber Well	43.0	110	1-50	N/A	wet 2020: Stand was not physically looked at in 2020.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole	4		Red Maple	Full	Variable	Sapling
Paper Birch		30	Pole	5		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar		20	Pole	4		White Spruce	Full	10 - 20 feet	Sapling
Black Ash		40	Pole	5	110	Black Ash	Full	Variable	Sapling
29	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.7	109	111-140	N/A	Very poor quality. Possibly leave for old growth.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		50	Pole/Log	9	109	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple		25	Pole/Log	9		White Spruce	High	10 - 20 feet	Sapling
Yellow Birch		4	Log	10		Northern White Cedar	Low	>20 feet	Pole
Paper Birch		2	Log	14		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		2	Log	14		Black Cherry	Full	10 - 20 feet	Sapling
White Pine		2	XLog	20		Maple (spp.)	Full	Variable	Sapling
Black Cherry		15	Pole	7					
30	3302 - Low Density Conifer Trees	Nonstocked	16.3		Unspecified	No			
31	6121 - Tamarack	Poletimber Medium	13.6	80	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		50	Pole	6	80	Black Spruce	High	>20 feet	Sapling
Tamarack		50	Pole	6	80	Tamarack	High	>20 feet	Sapling
						Tag Alder	Full	5 - 10 feet	Tall Shrub
32	3102 - Grass	Nonstocked	1.7		Unspecified	No	Parent Lake public access site		
33	6122 - Black Spruce	Poletimber Well	9.9	100	Unspecified	N/A	2020: Stand was not physically looked at in 2020.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		70	Pole	6	100	Tag Alder	Full	< 5 feet	Tall Shrub
Tamarack		30	Pole	6					
34	500 - Water	Nonstocked	183.9		Unspecified	No	Parent Lake On going wild rice treatment.		
35	122 - Road/Parking Lot	Nonstocked	7.9		Unspecified	No	US-41		
36	3302 - Low Density Conifer Trees	Nonstocked	111.6		Unspecified	No	Black spruce and tag alder		
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Low	Variable	Pole					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37 4191 - Mixed Upland Deciduous with Conifer Sapling Well 55.1 26 Immature N/A 3 Fault pulp sale, cut in 1994.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	26
Paper Birch	15	Sapling	2	26
Quaking Aspen	30	Sapling	2	26
Balsam Fir	15	Sapling	1	26
White Spruce	10	Sapling	1	26
Tamarack	6	Sapling	1	26
White Pine	2	Sapling	1	26
Red Pine	2	Sapling	1	26
Black Cherry	10	Sapling	2	26

38 6122 - Black Spruce Poletimber Well 210.4 100 Unspecified N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	5		Tag Alder	High	10 - 20 feet	Tall Shrub
Black Spruce	75	Pole/Log/Sap	8	100				
Tamarack	23	Pole	5					

39 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 147.5 120 111-140 N/A 2020: Factor limit Age class distribution, cut in 2032

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Red Maple	Full	Variable	Sapling
Paper Birch	5	Pole	8		Paper Birch	High	Variable	Sapling
Quaking Aspen	5	Pole	8		Balsam Fir	Full	Variable	Sapling
Balsam Fir	15	Pole	7		White Spruce	Full	Variable	Sapling
Black Spruce	20	Pole	7	120	Witch Hazel	Full	10 - 20 feet	Tall Shrub
Northern White Cedar	15	Pole	6					
Tamarack	15	Pole	7					
White Pine	5	Log	14					
Black Ash	10	Pole	5					

40 6118 - Lowland Deciduous with Cedar Poletimber Well 7.0 110 81-110 N/A wet. 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	4		Red Maple	Full	Variable	Sapling
Paper Birch	30	Pole	5		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar	20	Pole/Sapling	4		White Spruce	Full	10 - 20 feet	Sapling
Black Ash	40	Pole	5	110	Black Ash	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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41 6129 - Mixed Coniferous Lowland Forest Poletimber Well 150.3 100 81-110 N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	40	Pole	6	100
Northern White Cedar	30	Pole	6	
Tamarack	20	Pole	6	
White Pine	10	Pole	7	

42 6120 - Lowland Cedar Poletimber Well 76.0 100 111-140 N/A 2010: Thick, thick cedar poles 4"
2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
Paper Birch	2	Pole	6	
Balsam Fir	5	Pole	4	
Black Spruce	15	Pole	4	
Northern White Cedar	53	Pole	4	100
Black Ash	20	Pole	4	

43 4112 - Maple, Beech, Cherry Association Poletimber Well 12.6 109 81-110 N/A "The Fault Mix" Cut in winter of 2016-2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	52	Pole/Log	9	109	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	25	Pole/Log	9		White Spruce	High	10 - 20 feet	Sapling
Yellow Birch	4	Log	10		Northern White Cedar	Low	>20 feet	Sapling
Paper Birch	2	Log	14		White Pine	Low	5 - 10 feet	Sapling
White Pine	2	XLog	20		Black Cherry	Full	5 - 10 feet	Sapling
Black Cherry	15	Pole	7		Maple (spp.)	Full	Variable	Sapling

44 4112 - Maple, Beech, Cherry Association Poletimber Well 9.7 109 81-110 N/A "The Fault Mix" Cut in 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	52	Pole/Log	9	109	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	25	Pole/Log	9		White Spruce	Medium	10 - 20 feet	Sapling
Yellow Birch	4	Log	10		Northern White Cedar	Low	>20 feet	Sapling
Paper Birch	2	Log	14		White Pine	Low	5 - 10 feet	Sapling
White Pine	2	XLog	20		Black Cherry	Full	5 - 10 feet	Sapling
Black Cherry	15	Pole	7		Maple (spp.)	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45 42390 - Mixed Non-Pine Upland Conifers Sapling Well 12.0 4 Immature N/A BigFoot Fir Cut winter 2015-2016. 11-010-12-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Sapling	1		Tag Alder	Full	5 - 10 feet	Tall Shrub
Balsam Fir	20	Sapling	1					
White Spruce	30	Sapling	1					
Tamarack	40	Sapling	1	4				

46 6115 - Lowland Ash Poletimber Well 1.7 109 51-80 N/A Ash is dying out

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling
Black Ash	90	Pole	7	109	Northern White Cedar	Low	>20 feet	Sapling
					Black Ash	Full	Variable	Sapling
					Tag Alder	High	10 - 20 feet	Tall Shrub

47 4112 - Maple, Beech, Cherry Association Poletimber Well 52.7 109 81-110 N/A cut in winter of 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	52	Pole/Log	9	109	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	25	Pole/Log	9		White Spruce	High	10 - 20 feet	Sapling
Yellow Birch	4	Log	10		Northern White Cedar	Low	>20 feet	Pole
Paper Birch	2	Log	14		White Pine	Low	10 - 20 feet	Sapling
White Pine	2	XLog	20		Black Cherry	Full	5 - 10 feet	Sapling
Black Cherry	15	Pole	7		Maple (spp.)	Full	Variable	Sapling

48 42340 - Upland Spruce/Fir Sapling Well 4.2 4 Immature N/A Big Foot Fir Cut winter 2015-2016. 11-010-12-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Sapling	1		Tag Alder	High	10 - 20 feet	Tall Shrub
Balsam Fir	50	Sapling	1	4				
White Spruce	30	Sapling	1					
Tamarack	10	Sapling	1					

49 4139 - Aspen, Mixed Deciduous Sapling Well 9.7 26 Unspecified N/A 3 Fault pulp, cut in 1994

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	26
Paper Birch	15	Sapling	2	26
Quaking Aspen	55	Sapling	2	26
Balsam Fir	10	Sapling/Pole	3	26
Jack Pine	5	Sapling	2	26
Black Cherry	5	Sapling	2	26



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50	4139 - Aspen, Mixed Deciduous	Sapling Well	33.4	16	Unspecified	N/A	Old 28 Fir Sale 2004ish
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	1	16
Quaking Aspen	55	Sapling	1	16
Balsam Fir	10	Sapling	1	16
White Spruce	5	Sapling	1	16
Tamarack	2	Sapling	1	16
Black Cherry	13	Sapling	1	16

51	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.3	109	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Pole	7	109
Red Maple	15	Pole	6	
Yellow Birch	5	XLog	18	
Paper Birch	2	Pole/Sapling	6	
White Spruce	3	Pole	6	
Black Cherry	15	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
White Spruce	High	Variable	Sapling
Northern White Cedar	Low	>20 feet	Pole
Maple (spp.)	Full	Variable	Sapling

52	6122 - Black Spruce	Sapling Well	3.7	4	Immature	N/A	"The Fault Mix" cut winter 2016-17.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	90	Sapling	1	4
Tamarack	10	Sapling	1	4

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

53	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	4.1	100	1-50	N/A	2010: old birch stand dying out , coming back to fir. 2020: Stand was not physically looked at in 2020.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	6	100
Yellow Birch	5	Pole	6	
Paper Birch	35	Pole	6	100
Balsam Fir	15	Pole	6	
White Spruce	20	Pole	6	
Northern White Cedar	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Balsam Fir	Full	>20 feet	Sapling
White Spruce	Full	10 - 20 feet	Sapling
Northern White Cedar	High	5 - 10 feet	Pole

54	500 - Water	Nonstocked	13.3		Unspecified	No	Beaver activity
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 4199 - Other Mixed Upland Deciduous Poletimber Well 13.8 55 1-50 N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		American Elm	Low	>20 feet	Sapling
Quaking Aspen	10	Log	9		Red Maple	Full	Variable	Sapling
Balsam Fir	5	Pole	5		Northern White Cedar	Medium	>20 feet	Sapling
Black Ash	65	Pole	7	55	Black Ash	Full	Variable	Sapling
Black Cherry	5	Pole	5		Tag Alder	High	10 - 20 feet	Tall Shrub

56 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 23.5 17 1-50 N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	17
Paper Birch	10	Sapling	1	17
Quaking Aspen	30	Sapling	1	17
Balsam Fir	15	Sapling	1	17
White Spruce	10	Sapling	1	17
White Pine	10	XLog	26	
Black Cherry	5	Sapling	1	17

57 6122 - Black Spruce Poletimber Well 12.6 105 Unspecified N/A OI 1915
2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	90	Pole	5	105	Tag Alder	High	5 - 10 feet	Tall Shrub
Tamarack	10	Pole	5					

58 4319 - Mixed Upland Forest Poletimber Well 32.4 109 1-50 N/A 2010: Some steep slopes, stand grades off into wetter ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	7		Red Maple	Full	Variable	Sapling
Red Maple	35	Pole	6	109	Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	6					
Balsam Fir	10	Pole	6					
White Spruce	20	Pole	6					
Black Spruce	5	Pole	5					
Northern White Cedar	5	Pole	5					
Tamarack	5	Pole	5					
White Pine	5	XLog	20					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59	429 - Mixed Upland Conifers	Sapling Well	82.9	4	Immature	N/A	"The Fault Mix" cut in winter of 2016-17.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	1	
Red Maple	10	Sapling	1	4
Paper Birch	15	Sapling	1	4
Quaking Aspen	10	Sapling	1	4
Balsam Fir	15	Sapling	1	4
White Spruce	15	Sapling	1	4
Black Spruce	10	Sapling	1	4
Northern White Cedar	2	Pole	5	
Tamarack	8	Sapling	1	
White Pine	10	Log	16	

60	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.2	109	81-110	N/A	"The Fault Mix" cut in winter on 2016-2017.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	52	Pole/Log	9	109
Red Maple	25	Pole/Log	9	
Yellow Birch	4	Log	10	
Paper Birch	2	Log	14	
White Pine	2	XLog	20	
Black Cherry	15	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	>20 feet	Sapling
White Spruce	Medium	>20 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
Black Cherry	Full	10 - 20 feet	Sapling
Maple (spp.)	Full	Variable	Sapling

61	122 - Road/Parking Lot	Nonstocked	2.8		Unspecified	No	Old-28
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62	500 - Water	Nonstocked	13.3		Unspecified	No	Vermilac River
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63	4130 - Aspen	Sapling Well	50.0	15	Unspecified	N/A	Old 28 Fir cut-2005 2020: Stand was not physically looked at in 2020.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	15
Paper Birch	10	Sapling	1	15
Quaking Aspen	70	Sapling	1	15
Balsam Fir	5	Sapling	4	
Northern White Cedar	2	Sapling	1	15
White Pine	5	XLog	18	
Black Cherry	3	Sapling	1	15

64	3302 - Low Density Conifer Trees	Nonstocked	1.0	0	Unspecified	No	Vermilac 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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65 4112 - Maple, Beech, Cherry Association Poletimber Well 45.2 109 111-140 N/A Cut in 2005 "Old 28 Fir".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Pole	7	109	Red Oak	Low	5 - 10 feet	Sapling
Red Maple	30	Pole	7		Balsam Fir	High	>20 feet	Sapling
Basswood	2	Pole	7		White Spruce	High	>20 feet	Sapling
Red Oak	3	Log	14		Ironwood	Full	10 - 20 feet	Sapling
Balsam Fir	3	Pole	5		Maple (spp.)	Full	Variable	Sapling
White Pine	2	Log	18					

66 4199 - Other Mixed Upland Deciduous Poletimber Well 6.5 55 1-50 N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		American Elm	Low	>20 feet	Sapling
Quaking Aspen	10	Log	9		Red Maple	Full	Variable	Sapling
Balsam Fir	5	Pole	5		Northern White Cedar	Medium	>20 feet	Sapling
Black Ash	65	Pole	7	55	Black Ash	Full	Variable	Sapling
Black Cherry	5	Pole	5		Tag Alder	High	10 - 20 feet	Tall Shrub

67 6115 - Lowland Ash Poletimber Well 10.9 109 51-80 N/A Ash is dying out
2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling
Black Ash	90	Pole	7	109	Northern White Cedar	Low	>20 feet	Sapling
					Black Ash	Full	Variable	Sapling
					Tag Alder	Full	10 - 20 feet	Tall Shrub

68 6220 - Alder/willow Nonstocked 19.8 Unspecified No

69 3302 - Low Density Conifer Trees Nonstocked 51.5 0 Unspecified No Est. BA=30

71 4112 - Maple, Beech, Cherry Association Poletimber Well 23.5 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole	7	109	Red Oak	Low	10 - 20 feet	Sapling
Red Maple	36	Pole	7		Balsam Fir	High	>20 feet	Sapling
Yellow Birch	5	Pole/Log	8		White Spruce	High	>20 feet	Sapling
Red Oak	7	Log	16		Ironwood	Medium	10 - 20 feet	Tall Shrub
White Pine	2	XLog	20		Maple (spp.)	Full	Variable	Log



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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72 6122 - Black Spruce Poletimber Medium 42.1 80 51-80 N/A 2020: Stand was not physically looked at in 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	50	Pole	5	80	Black Spruce	Full	10 - 20 feet	Sapling
Northern White Cedar	5	Pole	6		Tamarack	Full	10 - 20 feet	Sapling
Tamarack	45	Pole	5		White Pine	High	10 - 20 feet	Sapling

73 4319 - Mixed Upland Forest Sapling Well 17.0 3 Immature N/A 7/2019 Previous age 104. Cut winter 2018/2019 Hobo Mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Sapling	1		Red Maple	Full	Variable	Sapling
Red Maple	30	Sapling	1		Balsam Fir	Full	>20 feet	Sapling
Paper Birch	5	Sapling	1		White Spruce	Full	10 - 20 feet	Sapling
Quaking Aspen	5	Sapling	1		Black Cherry	High	5 - 10 feet	Sapling
Balsam Fir	40	Sapling	1	3				
White Spruce	13	Sapling	1					
Northern White Cedar	2	Pole	7					

74 6115 - Lowland Ash Sapling Well 3.2 3 Immature N/A 7/2019 Previous age 104. Cut winter 2018/2019 Hobo Mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	1		Yellow Birch	Low	10 - 20 feet	Sapling
White Spruce	5	Sapling	1		Paper Birch	Low	10 - 20 feet	Sapling
Black Ash	90	Sapling	1	3	Balsam Fir	Medium	10 - 20 feet	Sapling
					White Spruce	Medium	10 - 20 feet	Sapling
					Black Ash	Full	Variable	Sapling
					Black Cherry	Low	10 - 20 feet	Sapling
					Witch Hazel	Full	10 - 20 feet	Tall Shrub

76 4112 - Maple, Beech, Cherry Association Poletimber Well 21.0 109 81-110 N/A Cut winter 2018/2019 Hobo Mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole/Log	9	109	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	25	Pole/Log	9		White Spruce	High	>20 feet	Sapling
Yellow Birch	4	Log	10		Northern White Cedar	Low	>20 feet	Pole
Paper Birch	2	Log	14		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	2	Log	14		Black Cherry	Full	5 - 10 feet	Sapling
White Pine	2	XLog	20		Maple (spp.)	Full	Variable	Sapling
Black Cherry	15	Pole	7					

77 3302 - Low Density Conifer Trees Nonstocked 18.1 Unspecified No Seeding in with Tam and White pine



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78 4191 - Mixed Upland Deciduous with Conifer Sapling Well 99.7 26 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	2	26
Paper Birch	20	Sapling	2	26
Quaking Aspen	35	Sapling	2	26
Balsam Fir	15	Sapling	1	26
White Spruce	10	Sapling	1	26
White Pine	3	Sapling	1	26
Jack Pine	2	Sapling	1	26

79 4119 - Mixed Northern Hardwoods Poletimber Well 6.0 109 81-110 N/A 2010: big rock knob Est BA 110.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole	7	109	Balsam Fir	Medium	>20 feet	Sapling
Red Maple	35	Pole	7		White Spruce	Medium	10 - 20 feet	Pole
Basswood	10	Pole	7		Maple (spp.)	Full	Variable	Sapling
Red Oak	2	Log	10					
Quaking Aspen	10	Pole	7					
White Spruce	3	Pole	7					

80 4191 - Mixed Upland Deciduous with Conifer Sapling Well 45.2 3 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling	4	30	Red Maple	Full	Variable	Sapling
White Pine	20	Log	16		Balsam Fir	Full	>20 feet	Sapling
Red Maple	40	Sapling	1	3	White Spruce	Full	>20 feet	Sapling
Quaking Aspen	20	Sapling	1	3				

81 3302 - Low Density Conifer Trees Nonstocked 3.1 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
82	4319 - Mixed Upland Forest	Sapling Well	114.3	3	Immature	N/A	7/2019 Previous age 104. Cut winter 2018/2019 Hobo Mix.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Sugar Maple	10	Sapling	1		Red Maple	Full	Variable	Pole
		Red Maple	15	Sapling	1		Balsam Fir	Full	10 - 20 feet	Sapling
		Yellow Birch	3	XLog/Log	18		Hemlock	Low	Variable	Sapling
		Paper Birch	15	Sapling	1		Tag Alder	High	10 - 20 feet	Tall Shrub
		Quaking Aspen	15	Sapling	1					
		Balsam Fir	20	Sapling	1	3				
		White Spruce	10	Sapling	1					
		White Pine	10	Log	18					
		Red Pine	2	Pole	18					
83	3302 - Low Density Conifer Trees	Nonstocked	112.6	0	Unspecified	No				
84	3302 - Low Density Conifer Trees	Nonstocked	1.4		Unspecified	No				
		Sub-Canopy Species	Density	Avg. Height	Size					
		Black Spruce	Low	10 - 20 feet	Sapling					
85	3302 - Low Density Conifer Trees	Nonstocked	108.1		Unspecified	No	black spruce and tam.			
		Sub-Canopy Species	Density	Avg. Height	Size					
		Black Spruce	Low	10 - 20 feet	Sapling					
		Tamarack	Low	10 - 20 feet	Sapling					
86	4319 - Mixed Upland Forest	Poletimber Well	5.2	105	81-110	N/A	Island of timber			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Paper Birch	30	Pole/Log	7	105	Balsam Fir	Full	Variable	Sapling
		Quaking Aspen	25	Pole	8		Black Spruce	Full	Variable	Sapling
		Balsam Fir	25	Pole	6					
		White Spruce	20	Pole	5					
87	4139 - Aspen, Mixed Deciduous	Sapling Poor	63.6	3	1-50	N/A	"Delene Lake SBW" 2017.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		White Pine	5	XLog	22	105	Black Spruce	Medium	Variable	Sapling
		Red Pine	1	XLog	22		White Pine	Medium	Variable	Sapling
		Red Maple	40	Sapling	1	3				
		Quaking Aspen	45	Sapling	1	3				
		Black Cherry	5	Sapling	1					
		Paper Birch	4	Sapling	1	3				
88	3302 - Low Density Conifer Trees	Nonstocked	2.6		Unspecified	No				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 4319 - Mixed Upland Forest Sapling Well 251.6 14 Immature N/A "Lots Of Fault Fir" cut in 2006.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	1	14
Red Oak	2	Log/Pole	12	
Paper Birch	10	Sapling	1	14
Quaking Aspen	15	Sapling	1	14
Balsam Fir	15	Sapling	2	
White Spruce	13	Sapling	2	
Northern White Cedar	10	Pole/Sapling	5	
Tamarack	3	Sapling	1	14
White Pine	12	XLog	17	
Red Pine	2	XLog	18	
Jack Pine	3	Sapling	1	14

90 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 70.4 58 111-140 N/A OI = 1962

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	
Red Maple	15	Pole	7	
Basswood	2	Pole	7	
Paper Birch	15	Pole	6	
Quaking Aspen	19	Pole	6	58
Balsam Fir	15	Pole	5	
White Spruce	10	Pole	5	
White Pine	3	XLog	22	
Black Cherry	5	Pole	6	
Red Oak	1	Log	16	
Tamarack	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Medium	>20 feet	Sapling
Balsam Fir	Full	>20 feet	Pole
White Spruce	Full	>20 feet	Sapling
White Pine	Medium	10 - 20 feet	Sapling
Witch Hazel	Full	5 - 10 feet	Tall Shrub
Maple (spp.)	Full	Variable	Sapling

91 4112 - Maple, Beech, Cherry Association Poletimber Well 60.7 109 81-110 N/A "King Hdwd" cut in 2014.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Pole	7	109
Red Maple	36	Pole	7	
Yellow Birch	5	Pole/Log	8	
Red Oak	7	Log	16	
White Pine	2	XLog	20	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92 4139 - Aspen, Mixed Deciduous Sapling Well 56.9 6 Immature N/A "King Hdwd" cut in 2014.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	XLog	18	
Red Maple	35	Sapling	1	6
Balsam Fir	10	Sapling	1	
Quaking Aspen	50	Sapling	1	6

93 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 17.1 58 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	5	
Red Maple	15	Pole	5	
Paper Birch	5	Pole	4	
Quaking Aspen	30	Pole	5	58
Balsam Fir	15	Pole	3	
White Spruce	10	Pole	7	
White Pine	15	XLog	22	
Black Cherry	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Paper Birch	High	Variable	Sapling
Balsam Fir	Full	>20 feet	Sapling
White Spruce	Full	>20 feet	Sapling
Witch Hazel	Full	10 - 20 feet	Tall Shrub

94 6220 - Alder/willow Nonstocked 4.4 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Medium	10 - 20 feet	Pole
Black Spruce	Medium	10 - 20 feet	Pole
White Pine	Low	Variable	Pole

95 4139 - Aspen, Mixed Deciduous Sapling Poor 60.9 3 1-50 N/A "Delene Lake SBW" cut in 2017.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log	14	
Northern White Cedar	5	Pole	5	
White Pine	5	XLog	20	105
Red Pine	3	XLog/Log	18	
Red Maple	40	Sapling	1	3
Quaking Aspen	42	Sapling	1	3

96 6220 - Alder/willow Nonstocked 4.2 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	High	Variable	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
97	42290 - Natural Mixed Pine	Poletimber Well	1.4	125	1-50	N/A	island of timber																																																				
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98	6239 - Mixed Emergent Wetland	Nonstocked	64.0		Unspecified	No	Some small black spruce and tam.																																																				
99	42290 - Natural Mixed Pine	Poletimber Well	2.7	125	51-80	N/A	Island of timber. Can't get there from somewhere!																																																				
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104	6239 - Mixed Emergent Wetland	Nonstocked	1.0	0	Unspecified	No																																																					
105	122 - Road/Parking Lot	Nonstocked	4.3	0	Unspecified	No	Old M-28, county road, Gravel.																																																				
106	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.9	68	51-80	N/A	2020: Stand was acquired in 2019/20 timeframe. Parcel was harvested in or around 2018 by previous owner. Stand is along north side of county road, with camp access road running through it.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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118	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	26.1	26	Immature	N/A	3 Fault pulp sale, cut in 1994.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	26
Paper Birch	15	Sapling	2	26
Quaking Aspen	30	Sapling	2	26
Balsam Fir	15	Sapling	1	26
White Spruce	10	Sapling	1	26
Tamarack	6	Sapling	1	26
White Pine	2	Sapling	1	26
Red Pine	2	Sapling	1	26
Black Cherry	10	Sapling	2	26