



# Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11027

Entry Year 2024

Acreage: 1,363

County Baraga

Management Area: Michigamme Highlands

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**Stand Examiner:** Jason Mittlestat

## Legal Description:

T48N R34W Sec 32; T47N R34W Sec 5, 6, 8, 17, 20.

## Identified Planning Goals:

Covington / Ned Lake.

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

## Soil and topography:

The compartment is level with some ridges. The soils are comprised of Champion cobbly silt loam, Net silt loam, Carbondale and Tacoosh mucks.

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

The adjacent land to the north is small private ownership with forest industry to the south.

## Unique Natural Features:

May Lake is in the southern part of the compartment.

## Archeological, Historical, and Cultural Features:

None listed.

## Special Management Designations or Considerations:

None listed.

## Watershed and Fisheries Considerations:

May Lake is shallow. The stream flowing to the north is a narrow rocky trout stream and a tributary to the West Branch Net River.

## Wildlife Habitat Considerations:

Compartment 27 is found in the Covington/Ned Lake Management Area which is mostly Ground Moraines in Southern Baraga County. The dominant forest communities are mesic northern forests and conifer swamps. This management area receives significant snowfall each year and does not offer wintering habitat for deer. As a result, many tree species that do not reliably recruit across all management areas in the ecoregion are found in numerous age classes across this management area. It is also in the heart of Western Upper Peninsula moose country due the spatial arrangement of lowlands and uplands conifer forests that provide summer and winter thermal cover near aspen, hardwood and aquatic feeding sites.

The following have been identified, as featured species for the Covington/Ned Lake Management Area: American Marten, Black Bear, Gray Jay, Moose, and Northern Goshawk.

## Mineral Resource and Development Concerns and/or Restrictions

The State-owned Ford Road sand/gravel pit is located within Sec 5 of the compartment, and Payne & Dolan operate a private pit in the SW/4 of Sec 4. There is potential for additional sand & gravel within the compartment on the uplands and where bedrock is not at the surface. Potential for metallic and critical minerals in this area is not well known. The Michigamme Formation, which underlies the compartment, has been broadly identified as having potential for both, but there has been limited documented mineral exploration or detailed mapping in this vicinity. Mineral rights in Sec 20, covering the south half of May Lake, are currently under lease for metallic mineral exploration and development. Additional active leases occur outside the compartment to the east and southwest. These leases may be targeting geophysical (magnetic) anomalies in the area. No exploration has been proposed on these leases to date. 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:

The compartment is accessed from the Ford Road with the remainder being from old logging roads.

**Survey Needs:**

Survey work will be needed to facilitate timber harvest activities.

**Recreational Facilities and Opportunities:**

There are no developed recreational facilities

**Fire Protection:**

This is not a fire prone area.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

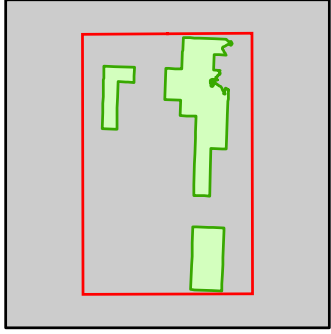
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

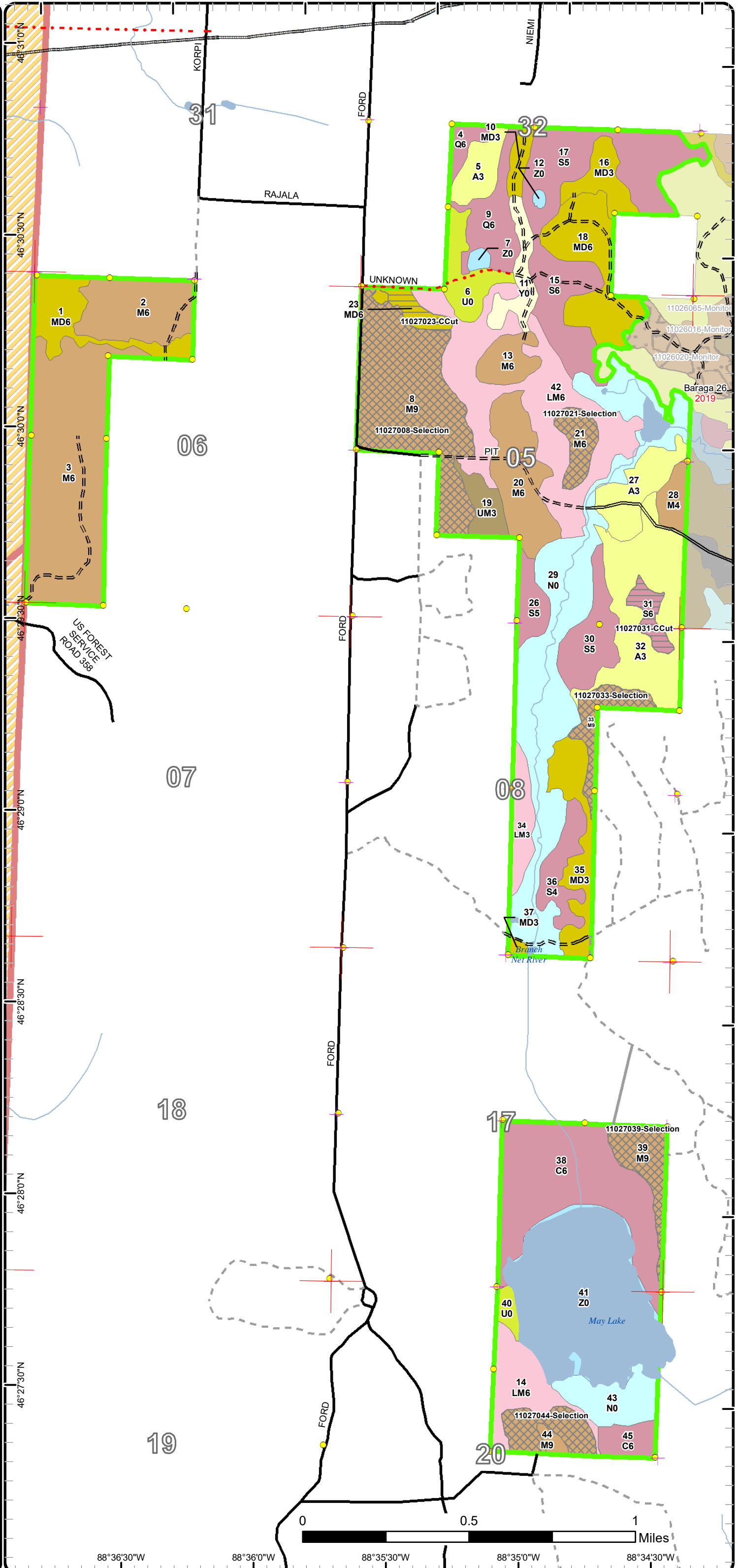
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 27  
 T48N,R34W, Sec: 32  
 T47N, R34W, Sec: 5, 6, 8, 17, 20  
 County: Baraga  
 Unit: Baraga  
 Mgmt Area: Covington-Ned Lake  
 YOE: 2024  
 Acres: 1362.9 GIS Calculated  
 Examiner: Jason Mittlestat  
 Map Revised: 1/6/2023  
 Map Phase: Post Review

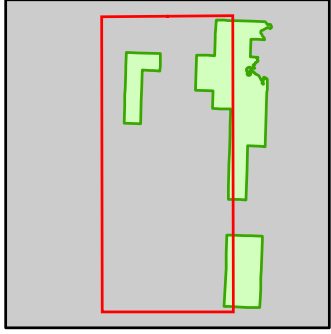


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- .- County - Gravel Road
- Private - Paved Road
- .- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand/Soil

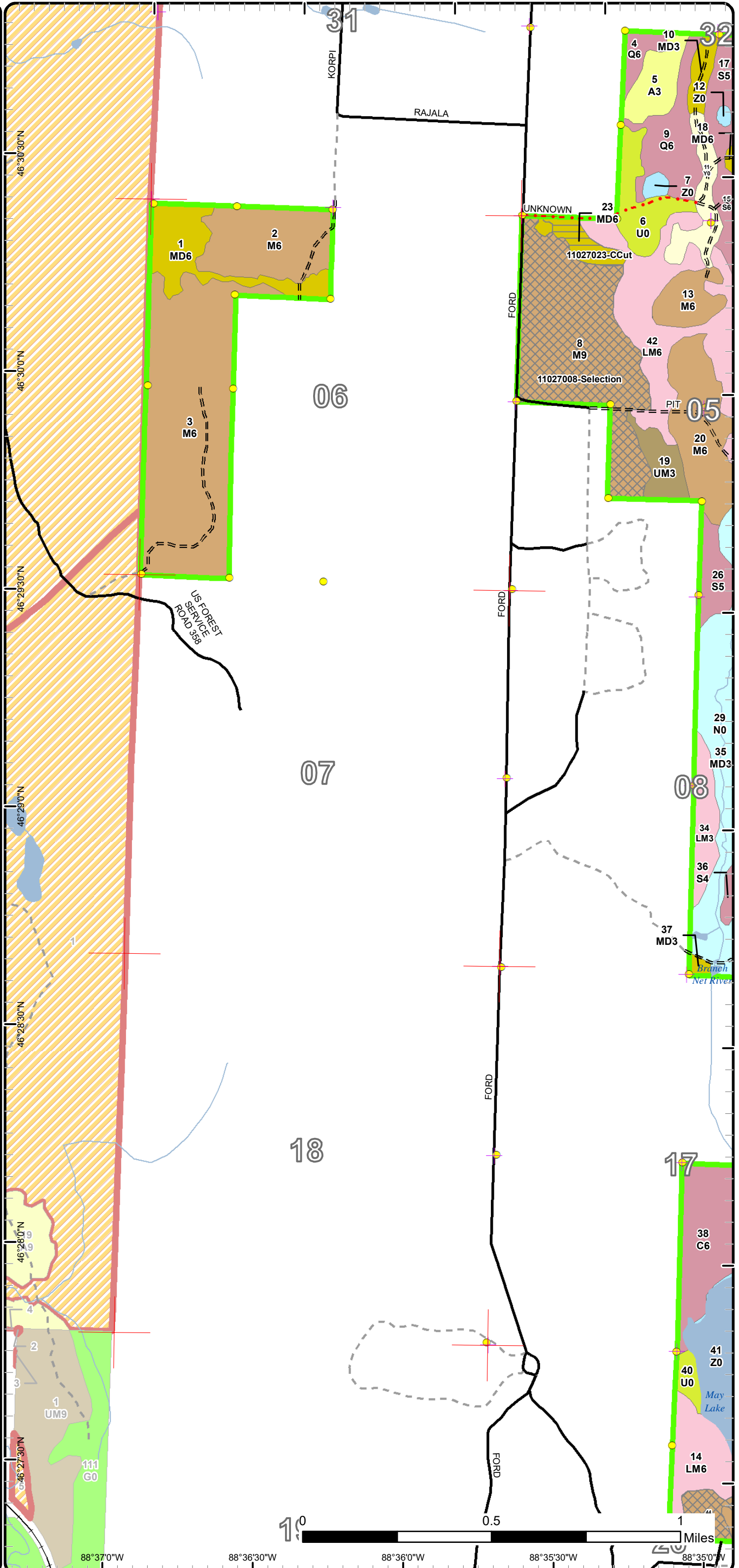


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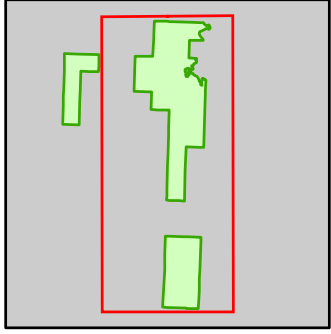


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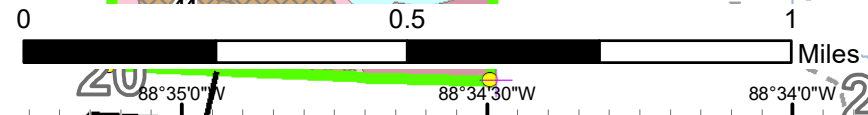
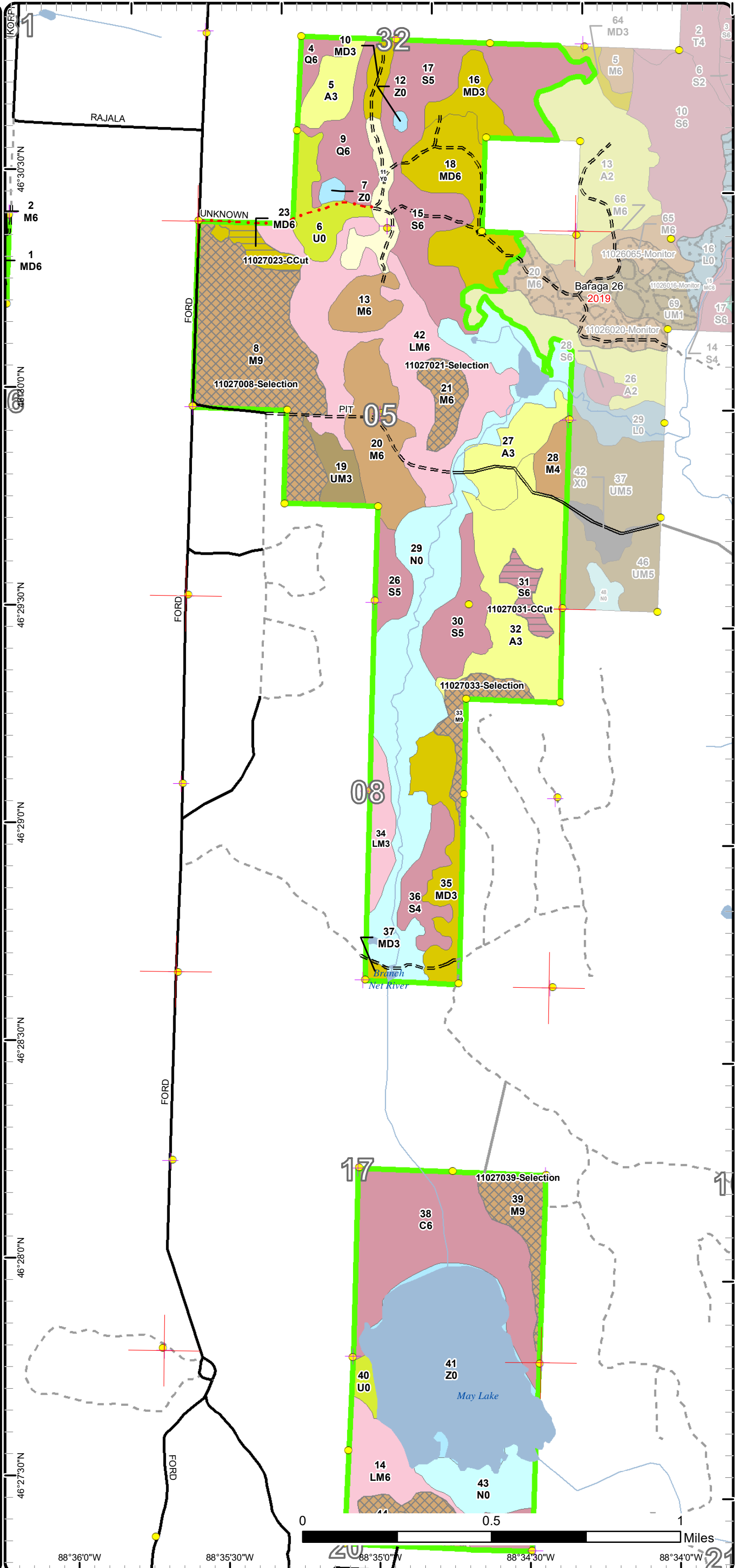


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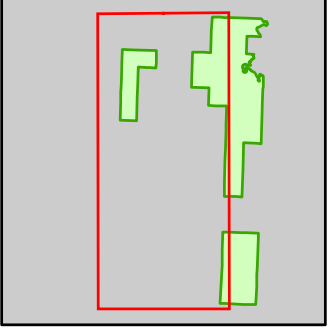
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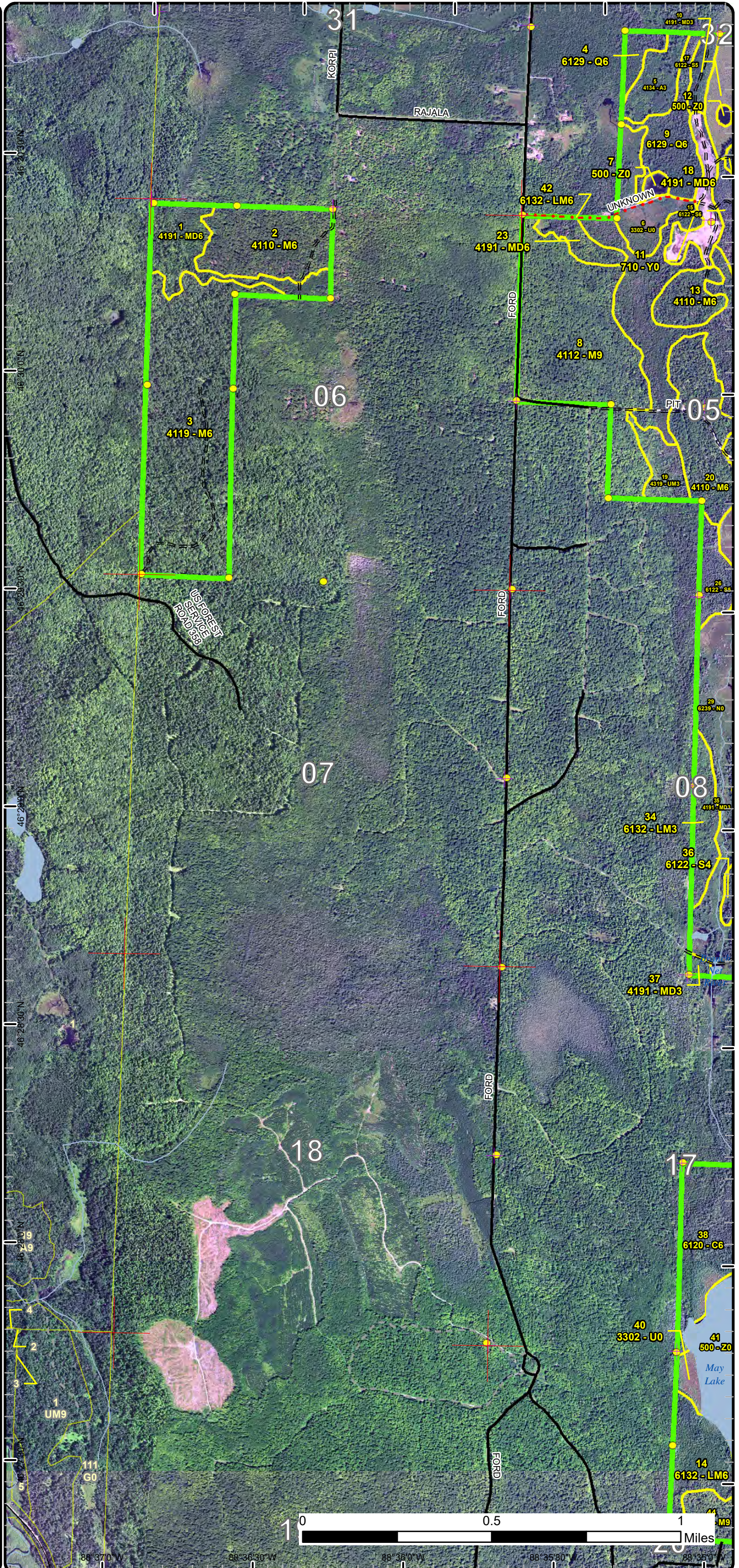
88°36'0"W      88°35'30"W      88°35'0"W      88°34'30"W      88°34'0"W

# Stand Boundary Map

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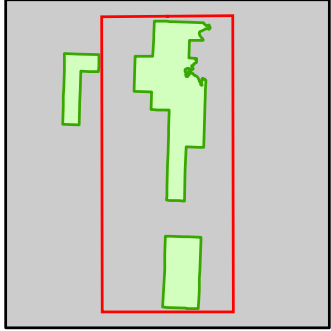


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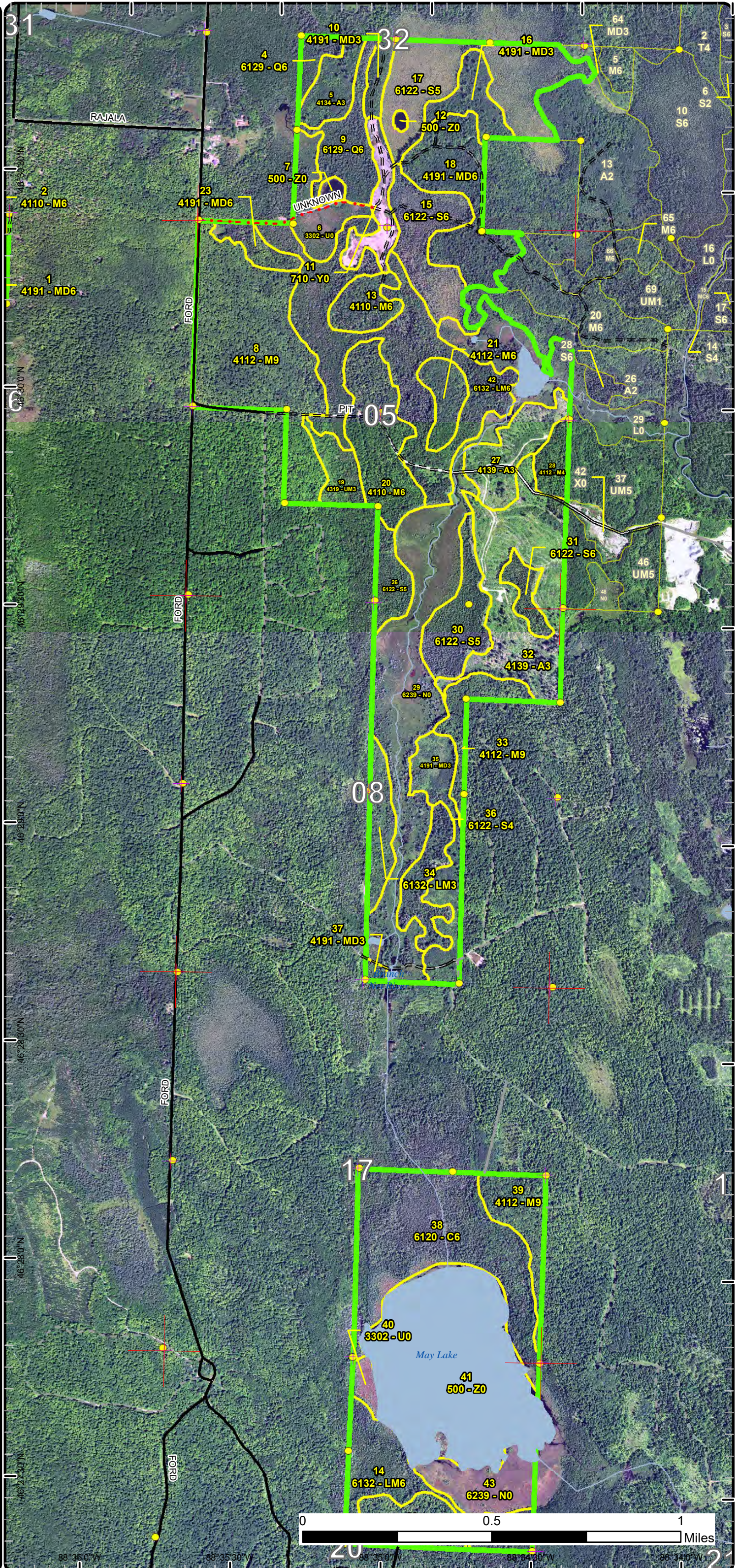


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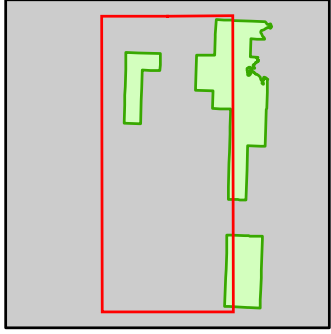


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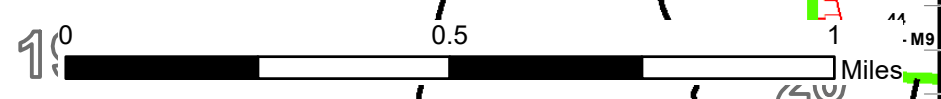
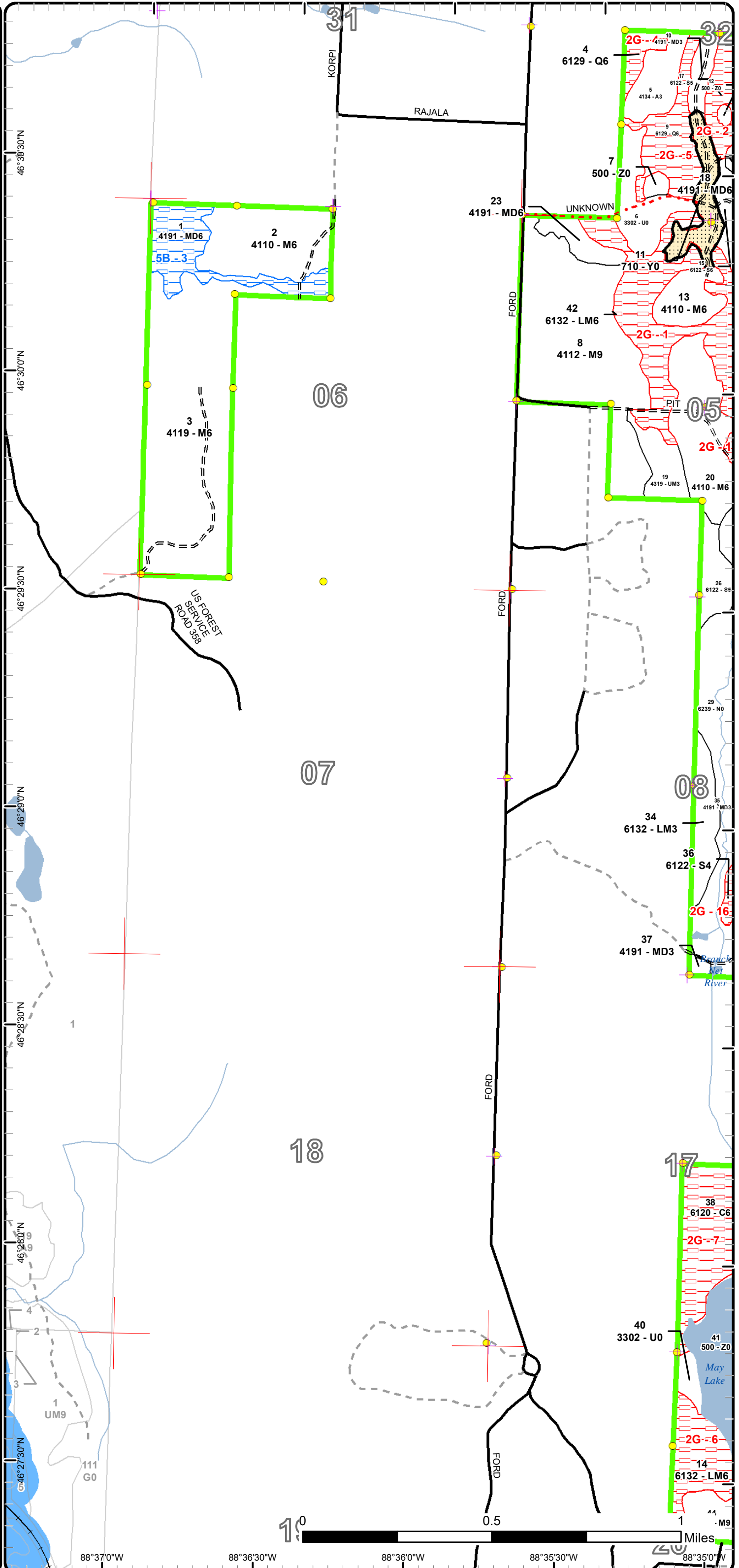


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- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Sand or Gravel Pit

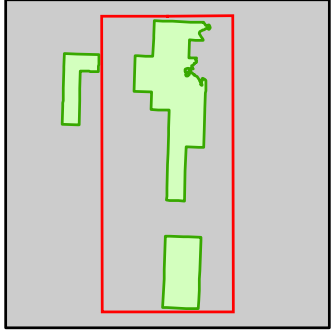


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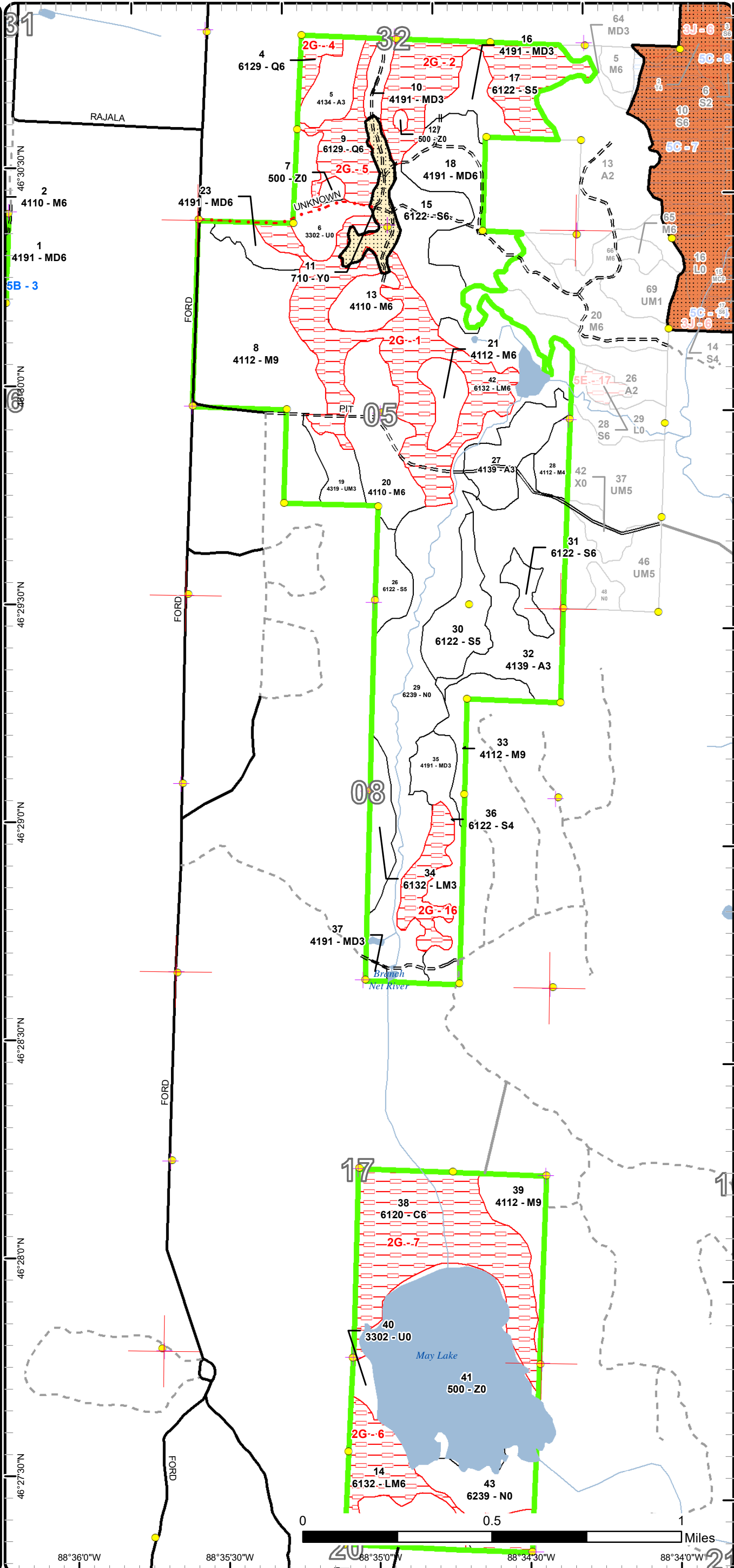


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- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Sand or Gravel Pit
- Other Habitat Area



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	90	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
Cedar	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	98
Low-Density Trees	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	30
Lowland Mixed Forest	0	0	16	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0	140
Lowland Spruce/Fir	0	0	0	0	0	0	70	0	0	9	73	0	0	0	0	0	0	0	151
Marsh	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
Mixed Upland Deciduous	0	0	31	15	7	0	0	9	0	0	0	0	0	0	0	0	0	70	132
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	381	381
Sand, Soil	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
<b>Total</b>	<b>314</b>	<b>90</b>	<b>74</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>70</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>451</b>	<b>1362</b>



## Report 2 – Treatment Summary

Baraga Mgt. Unit

Compartment 27

Year of Entry: 2024

Acres of Harvest

Total Compartment Acres: 1,363

Commercial Harvest - 174  
 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
Lowland Spruce/Fir	9	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	8	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	158	0	0	0	0	0	0	0	158
<b>Total</b>	<b>16</b>	<b>158</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	174	0	0	0	0	0	0	0	0	174
Next Step	0	0	0	0	0	0	174	0	0	174
<b>Total</b>	<b>174</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174</b>	<b>0</b>	<b>0</b>	<b>348</b>



Stand	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>8</b>	<b>11027008-Selection</b>	91.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	110	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. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. 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> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>											

<b>21</b>	<b>11027021-Selection</b>	12.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	110	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. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. 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> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u> Acreage might be a little less depending on where the edge ends up.</p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>											

<b>23</b>	<b>11027023-CCut</b>	7.9	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	61	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present.</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 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>31</b>	<b>11027031-CCut</b>	8.5	6122 - Black Spruce	Poetimber Well	84	1-50	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Harvest all species down to 2 inches DBH except red oak, hemlock, white pine and cedar if present. Retention will be less than 3%.  
Specs:

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 less than 3% and will consist of reserve tree species.

Site Condition

Proposed Start Date: 10/1 /2023

<b>33</b>	<b>11027033-Selection</b>	15.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	110	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 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. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".  
Specs:

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.

Site Condition

Proposed Start Date: 10/1 /2023

<b>39</b>	<b>11027039-Selection</b>	19.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Specs:

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.

Site Condition

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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
44 11027044-Selection	18.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	110	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. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".</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.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 174**

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 27  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions		
				5B	2G	
105	105	0	0	Aspen		0
98	0	0	98	Cedar		98
25	25	0	0	Low-Density Trees		0
30	0	0	30	Lowland Conifers		30
140	16	0	124	Lowland Mixed Forest		124
152	79	0	73	Lowland Spruce/Fir		73
154	154	0	0	Marsh		0
131	105	27	0	Mixed Upland Deciduous	27	0
381	381	0	0	Northern Hardwood		
15	15	0	0	Sand, Soil		
12	12	0	0	Upland Mixed Forest		
120	120	0	0	Water		0
1,363	1,010	27	326	Total Forested Acres	27	326
	74%	2%	24%	Relative Percent		

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	96	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Baraga Mgt. Unit  
Jason Mittlestat : Examiner

Compartment: 27  
Year of Entry: 2024

3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Acquired land was cut within the last 10 years. Heavy rutting is present.							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	39	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	87	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							





### 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
Baraga County Road Commission	Mineral Resource Area	Sand or Gravel Pit	SCA	15
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 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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	26.5	110	51-80	N/A	Acq. 40, the stand was thinned before acquisition. Look to treat available ground with the adjacent stand in 2034
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	15	Pole	6	
Balsam Fir	15	Sapling	2	
Hemlock	5	Pole	5	
Red Maple	50	Sapling/Pole	5	110
Yellow Birch	5	Pole	5	
Black Ash	10	Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	Variable	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling
Black Ash	High	>20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

2	4110 - Sugar Maple Association	Poletimber Well	39.4	110	81-110	N/A	Ford Lord Hdwd cut 1994 and 2014.
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Canopy Species	% Cover	Size Class	DBH	Age
Basswood	8	Pole	8	
White Spruce	2	Log	12	
Sugar Maple	90	Pole	7	110

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	Variable	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling

3	4119 - Mixed Northern Hardwoods	Poletimber Well	117.8	110	81-110	N/A	Ford Lord Hdwd, selection cut in 1994. Also cut 2014.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Log	14	
Northern White Cedar	2	Pole	6	
Hemlock	10	Log	14	
Sugar Maple	53	Pole	8	110
Black Cherry	5	Pole	6	
Black Ash	5	Pole	7	
Red Maple	10	Pole	7	
Yellow Birch	5	Pole	7	
Basswood	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	Variable	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling
Hemlock	Medium	>20 feet	Pole

4	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.8	91	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	25	Pole	7	91
Paper Birch	5	Pole	6	
Northern White Cedar	40	Pole	7	91
Tamarack	25	Pole	8	
Black Ash	5	Pole	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>5</b>	4134 - Aspen, Spruce/Fir	Sapling Well	14.8	16	Immature	N/A	Final harvest in 2007.																																																						
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Balsam Fir	10	Pole	5																																																										
<b>6</b>	3302 - Low Density Conifer Trees	Nonstocked	19.3		Unspecified	No	Small patch of non-productive forest is included with this stand just north of the Pit Road.																																																						
<b>7</b>	500 - Water	Nonstocked	2.4		Unspecified	No																																																							
<b>8</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	91.1	110	111-140	N/A	Ready for harvest 1/2022.																																																						
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<b>9</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	23.4	91	51-80	N/A																																																							
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<b>10</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	6.7	31	1-50	N/A	Was harvested when the gravel pit was established.																																																						
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White Spruce	10	Sapling	3	31																																																									
Quaking Aspen	35	Sapling	3	31																																																									
<b>11</b>	710 - Sand, Soil	Nonstocked	15.2		Unspecified	No	Former Leased gravel pit by Baraga County Road Commission. Their lease expired in 2020.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 500 - Water Nonstocked 1.1 Unspecified No

13 4110 - Sugar Maple Association Poletimber Well 14.0 110 51-80 N/A Orange Pulp TCR 2014. Previous selection harvest was in 1976.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log/Pole/XLog	10		Balsam Fir	Full	>20 feet	Sapling
Sugar Maple	70	Pole	8	110	White Spruce	Medium	>20 feet	Sapling
Red Maple	10	Pole	7		Maple (spp.)	Full	Variable	Sapling
Yellow Birch	5	Pole	6					
Black Cherry	10	Pole	7					
Paper Birch	3	Pole	7					

14 6132 - Mixed Lowland Forest with Cedar Poletimber Well 28.4 92 Unspecified N/A Wet ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	7		Black Spruce	Full	>20 feet	Sapling
Black Spruce	10	Pole	6		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar	45	Pole	5	92	Black Ash	Full	>20 feet	Sapling
Red Maple	5	Pole/Sapling	4					
Black Ash	35	Sapling/Pole	4					

15 6122 - Black Spruce Poletimber Well 32.3 55 51-80 N/A Low SI, small diameter, wet.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	60	Pole/Sapling	4	55
Tamarack	40	Pole/Sapling	5	72

16 4191 - Mixed Upland Deciduous with Conifer Sapling Well 15.2 23 1-50 N/A Wallafir, clear cut in 2000.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	2	23
Paper Birch	20	Sapling	2	23
Quaking Aspen	30	Sapling	2	23
White Pine	15	XLog	18	
Balsam Fir	10	Sapling	3	23

17 6122 - Black Spruce Poletimber Medium 55.0 91 1-50 N/A Sparse, not very productive forestland.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	85	Sapling/Pole	2	91
Tamarack	15	Sapling/Pole	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**18** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 43.2 46 81-110 N/A Heavy cut in 1977, might be ready by 2032.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4	46	Balsam Fir	Full	10 - 20 feet	Sapling
White Pine	15	XLog	18		White Spruce	Full	10 - 20 feet	Sapling
Paper Birch	10	Sapling/Pole	4	46	White Pine	Full	>20 feet	Sapling
Yellow Birch	5	Sapling/Pole	4	46				
Quaking Aspen	15	Sapling/Pole	4	46				
Balsam Fir	5	Pole	5	46				
White Spruce	5	Pole	5	46				
Sugar Maple	25	Sapling/Pole	4	46				
Black Cherry	10	Sapling/Pole	4	46				

**19** 4319 - Mixed Upland Forest Sapling Well 11.8 16 Immature N/A Final harvest just before the state acquired .

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	13	Sapling	1	
White Spruce	10	Sapling	2	
Black Spruce	10	Pole	5	
Black Cherry	12	Sapling	1	
Sugar Maple	10	Sapling	2	
Paper Birch	5	Sapling	2	
Red Maple	25	Sapling	1	16
Northern White Cedar	15	Pole	6	

**20** 4110 - Sugar Maple Association Poletimber Well 39.3 110 51-80 N/A TCR 2014 Orange Pulp.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Pole	6	110	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	5	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Red Oak	3	Log	12		White Spruce	Medium	10 - 20 feet	Sapling
Northern White Cedar	2	Log	14		Sugar Maple	Full	Variable	Sapling
Black Cherry	15	Pole	7					
Yellow Birch	5	Pole	6					

**21** 4112 - Maple, Beech, Cherry Association Poletimber Well 12.6 110 81-110 N/A This stand could be harvested. Thinking diameter cut, cut 12" dbh reserve red oak, cedar, w. pine and hemlock of that size. Cut all softwood otherwise and cut all paper birch? Overall diameter average is about 9".

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Pole	7		White Spruce	Full	>20 feet	Sapling
Red Maple	15	Pole	8		Balsam Fir	Full	>20 feet	Sapling
Red Oak	2	Log	14		Maple (spp.)	Full	Variable	Sapling
White Spruce	2	Pole	7					
Black Cherry	13	Pole	8					
Sugar Maple	65	Pole	8	110				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**23** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 9.0 61 111-140 N/A Exclude the old landing from the treatment shape.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	6	
Black Ash	5	Pole	6	
White Pine	2	Log	12	
Yellow Birch	5	Pole	7	
Quaking Aspen	30	Log/Pole	14	61
Balsam Fir	15	Pole	6	
White Spruce	3	Pole	7	
Black Spruce	5	Pole	8	
Tamarack	10	Pole	8	
Northern White Cedar	5	Pole	8	61

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

**26** 6122 - Black Spruce Poletimber Medium 12.5 55 51-80 N/A Small diameter, low SI, very wet.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	60	Pole/Sapling	4	55
Tamarack	40	Pole/Sapling	5	72

**27** 4139 - Aspen, Mixed Deciduous Sapling Well 23.8 9 Immature N/A Harvested in 2014

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	1	9
Quaking Aspen	55	Sapling	1	9
Balsam Fir	10	Sapling	1	
Black Cherry	5	Sapling	1	
Paper Birch	5	Sapling	1	9

**28** 4112 - Maple, Beech, Cherry Association Poletimber Poor 9.5 110 81-110 N/A Harvested in 2014.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Pole	6	110
Red Maple	20	Pole	6	
Yellow Birch	3	Pole	5	
Black Cherry	10	Pole	6	
White Pine	2	XLog	18	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	>20 feet	Sapling
Black Cherry	Full	>20 feet	Sapling
Red Maple	High	Variable	Sapling
Sugar Maple	Full	Variable	Sapling

**29** 6239 - Mixed Emergent Wetland Nonstocked 129.1 Unspecified No

**30** 6122 - Black Spruce Poletimber Medium 25.6 55 51-80 N/A Low SI, wet ground, small diameter. The outer chain is merchantable, but further in from there is about 4" dbh and 2 sticks tall. Might be close to being unproductive forest land.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	40	Pole/Sapling	5	72
Black Spruce	60	Pole/Sapling	4	55



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**31** 6122 - Black Spruce Poletimber Well 8.5 84 1-50 N/A 12/28/21 This stand could be harvested.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	95	Pole/Sapling	6	84
Tamarack	5	Pole	6	

**32** 4139 - Aspen, Mixed Deciduous Sapling Well 66.3 9 Immature N/A Harvested in 2014

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	1		White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	41	Sapling	1	9				
White Spruce	3	Sapling	1					
Red Maple	35	Sapling	1	9				
Black Cherry	4	Sapling	1					
White Pine	2	Log	14					
Sugar Maple	5	Sapling	1	9				
Balsam Fir	5	Sapling	1					

**33** 4112 - Maple, Beech, Cherry Association Sawtimber Well 15.7 110 111-140 N/A Unit 2 Net Branch Hard Fir, cut in 2007.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	8	Pole	6		Balsam Fir	High	>20 feet	Sapling
Sugar Maple	50	Log/Pole	12	110	White Spruce	High	>20 feet	Sapling
Red Maple	30	Log/Pole	12		Hemlock	Full	10 - 20 feet	Sapling
Red Oak	2	Log	12		Maple (spp.)	Full	Variable	Sapling
White Pine	2	XLog	18					
Yellow Birch	5	Pole	6					
Paper Birch	3	Pole	6					

**34** 6132 - Mixed Lowland Forest with Cedar Sapling Well 15.5 16 Immature N/A Net Branch Hard Fir, cut in 2007.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Sapling	1	16
Paper Birch	5	Sapling	1	16
Quaking Aspen	15	Sapling	1	16
Balsam Fir	10	Sapling	1	
Yellow Birch	5	Pole	6	
White Spruce	10	Sapling	1	
Northern White Cedar	25	Pole	8	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**35** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 29.1 16 Immature N/A Net Branch Hard Fir, cut in 2007

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Log	16	
Red Maple	25	Sapling	1	16
Northern White Cedar	2	Pole	5	
Paper Birch	15	Sapling	1	16
Quaking Aspen	35	Sapling	1	16
White Spruce	10	Sapling	1	16
Balsam Fir	10	Sapling	1	16

**36** 6122 - Black Spruce Poletimber Poor 18.2 91 1-50 N/A

Low BA, very wet ground, beavers are active in the stand. It is about a 1 chain wide strip of timber between the MD3 and stream channel stand. The beavers have it flooded between the MD3 and S4.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	55	Pole	5	91	Balsam Fir	Full	>20 feet	Sapling
Northern White Cedar	45	Pole	6		Black Spruce	Full	>20 feet	Sapling
					Northern White Cedar	Full	>20 feet	Sapling

**37** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 1.8 16 Immature N/A Net Branch Hard Fir, cut in 2007.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	1	16
Quaking Aspen	35	Sapling	1	16
Balsam Fir	10	Sapling	5	
White Pine	3	Log	16	
Paper Birch	15	Sapling	1	16
White Spruce	10	Sapling	1	16
Northern White Cedar	2	Pole	1	16

**38** 6120 - Lowland Cedar Poletimber Well 87.2 92 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	3	Pole	5	
Black Spruce	30	Pole	5	
Northern White Cedar	50	Pole	5	92
Tamarack	15	Pole	5	
White Pine	2	Log	16	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**39** 4112 - Maple, Beech, Cherry Association Sawtimber Well 19.9 110 111-140 N/A Net Branch Hard Fir, cut in 2007.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Log/Pole	12	110	Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	30	Log/Pole	10		Northern White Cedar	Low	>20 feet	Pole
Red Oak	3	Log	12		Black Cherry	Full	10 - 20 feet	Sapling
Yellow Birch	10	Pole	6		Maple (spp.)	Full	Variable	Sapling
Hemlock	5	Log	14		White Spruce	High	10 - 20 feet	Sapling
Northern White Cedar	2	Pole	5					
Black Cherry	5	Pole	6					

**40** 3302 - Low Density Conifer Trees Nonstocked 5.2 Unspecified No

**41** 500 - Water Nonstocked 116.7 Unspecified No May Lake

**42** 6132 - Mixed Lowland Forest with Cedar Poletimber Well 96.0 92 Unspecified N/A Wet ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	4		Black Ash	Full	>20 feet	Sapling
Black Ash	35	Sapling/Pole	4		Black Spruce	Full	>20 feet	Sapling
Black Spruce	10	Pole	6		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar	45	Pole	5	92				
Yellow Birch	5	Pole	7					

**43** 6239 - Mixed Emergent Wetland Nonstocked 24.7 Unspecified No

**44** 4112 - Maple, Beech, Cherry Association Sawtimber Well 21.5 110 111-140 N/A Net Branch Hard Fir, cut in 2007.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Log/Pole	10		Balsam Fir	Full	5 - 10 feet	Sapling
Sugar Maple	45	Log/Pole	12	110	Northern White Cedar	Medium	>20 feet	Pole
Yellow Birch	5	Pole	8		Black Cherry	Full	10 - 20 feet	Sapling
Black Cherry	2	Pole	6		Maple (spp.)	Full	Variable	Sapling
Hemlock	10	Log	14		White Pine	Low	5 - 10 feet	Sapling
White Spruce	3	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>45</b>	6120 - Lowland Cedar	Poletimber Well	10.9	92	Unspecified	N/A	Wet ground.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	6	
Red Maple	5	Pole	6	
Northern White Cedar	55	Pole	6	92
Tamarack	5	Pole	6	
Black Spruce	30	Pole	6	