



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11032

Entry Year 2021

Acreage: 2,013

County Houghton

Management Area: Central Houghton

Revision Date: 2019-03-04

Stand Examiner: Jason Collins

Legal Description:

Elm River Township
T52N, R36W, Sections 1, 2, 3, 4 and 11.

Identified Planning Goals:

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

Soil and topography:

Upland soils are Graveraet loam, Trimountain cobbly fine sandy loam, Kalkaska sand, Waiska sand, and Alcona sand.
Lowland soils are Whitbeck stony muck.

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

The majority of the adjacent lands are managed for timber. The private ownership is predominantly industrial forest.

Unique Natural Features:

MNFI recognizes the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, and gray wolf. Potential for wood turtle along drainage. Potential for showy orchis, climbing fumitory, goblin fern, male fern, large toothwort, ginseng, and northern marsh violet in mature hardwoods. Potential for veiny meadow-rue, narrow-leaved gentian, and Farwell's water-milfoil in drainages.

Archeological, Historical, and Cultural Features:

Copper mining occurred in this compartment. The town of Elm River was located here. There are several mineshafts: Elm River 1 and 2 and the Shawmut shafts. The Old Military Trail traverses through this compartment where a halfway house was located. The "Elm River Fire Tower" was once located in this compartment.

Special Management Designations or Considerations:

BMP guidelines should be followed around the intermittent streams.

Watershed and Fisheries Considerations:

The Elm River, Clear Creek, Shawmut Creek and an unnamed creek draining into Lake Gerald run through this compartment.

Wildlife Habitat Considerations:

Favor mesic conifers; White Pine and Hemlock, as well Northern Red Oak.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel operations are not located in the area, but there could be some potential within the compartment. The Portage Lake Volcanics were previously mined for copper in this area, and some abandoned mine sites are located in Section 11 within the compartment. The last leasing activity in the area was in the mid-1980s. There is still potential for valuable mineral specimens at some abandoned copper mine sites, but potential for a return of commercial mining is low. There is no economic oil and gas production in the UP.

Vehicle Access:

Primary access from M-26 is off the Elm River Tower Road.

Survey Needs:

Some survey work will need to be done for harvest activities.

Recreational Facilities and Opportunities:

The Bill Nichols Trail crossed this compartment which provides year-round recreation. There are also numerous hunting and fishing opportunities.

Fire Protection:

This is not a fire prone area. There has been little or no fire suppression activity required over the last decade in this compartment.

Additional Compartment Information:

There is a utility right of way, recreational trail and state highway that cross this compartment.

The following reports from the Inventory are attached:

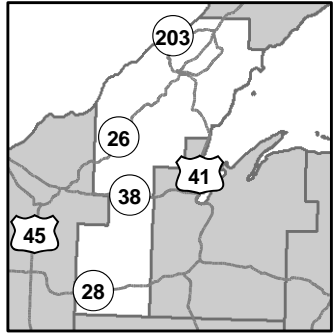
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

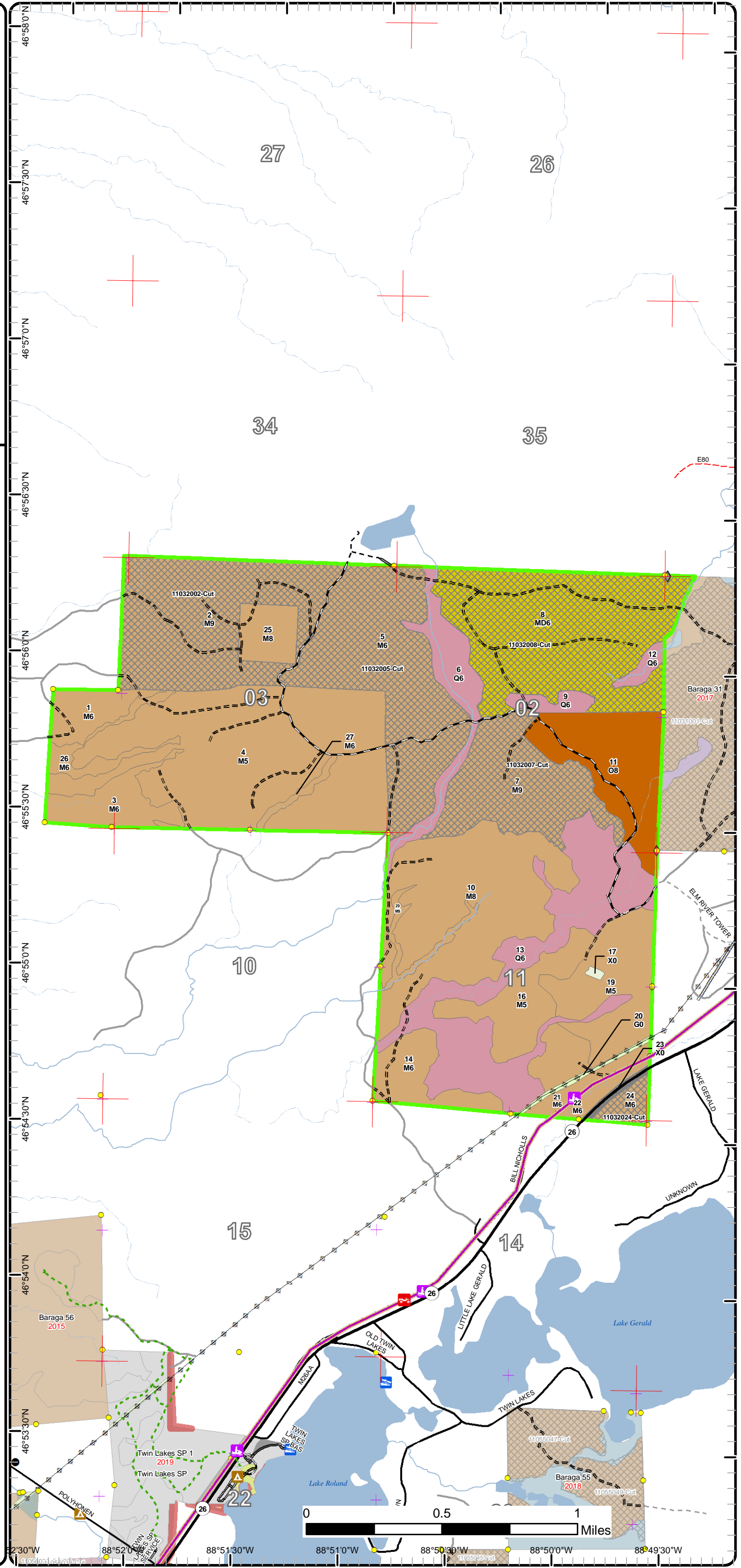
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32
 T52N, R36W, Sec: 1-4, 11
 County: Houghton
 Unit: Baraga
 Mgmt Area: Central Houghton
 YOE: 2021
 Acres: 2,014 GIS Calculated
 Examiner: Jason Collins
 Map Revised: 10/9/2019
 Map Phase: Post Review

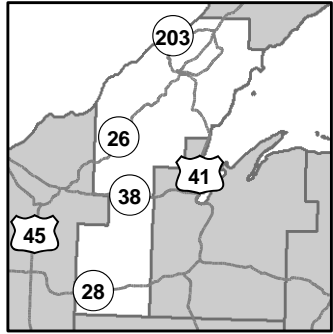


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- === DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Designated RailTrail
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- City
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- 411 - Northern Hardwood
- 412 - Oak Types
- 419 - Mixed Upland Deciduous
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 790 - Other Bare/Sparsely Vegetated
- Lakes

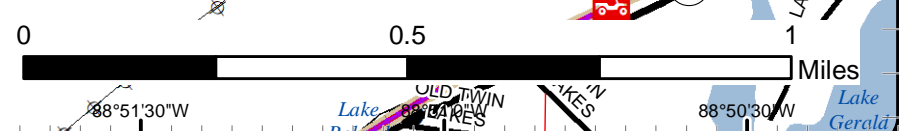
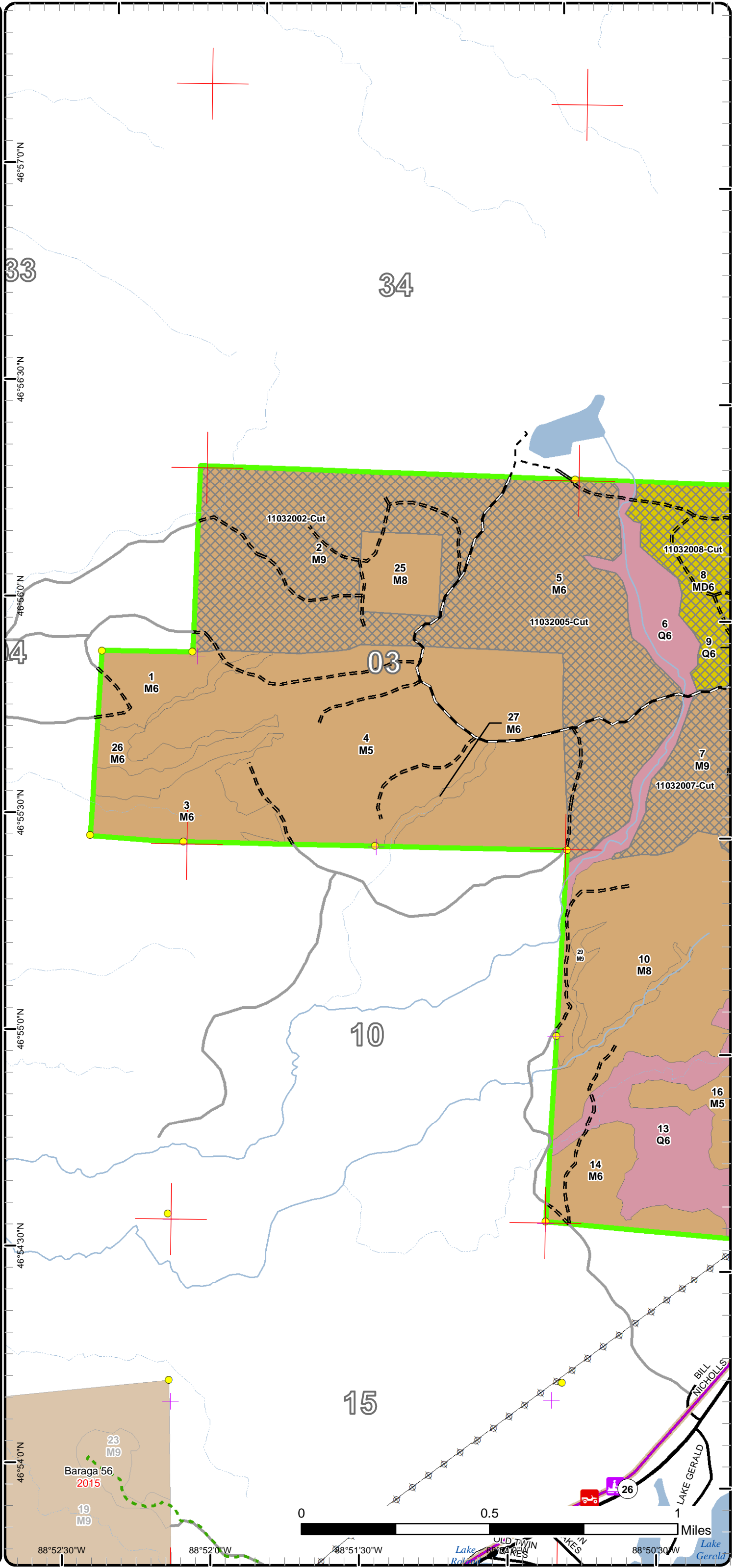


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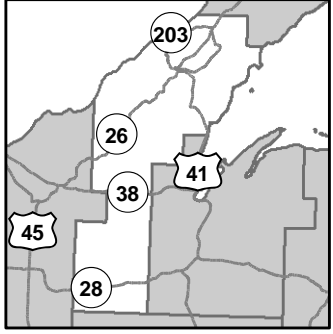
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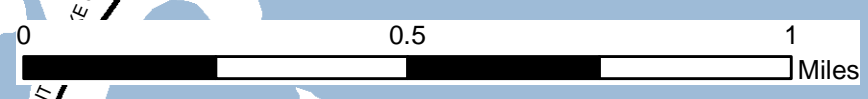
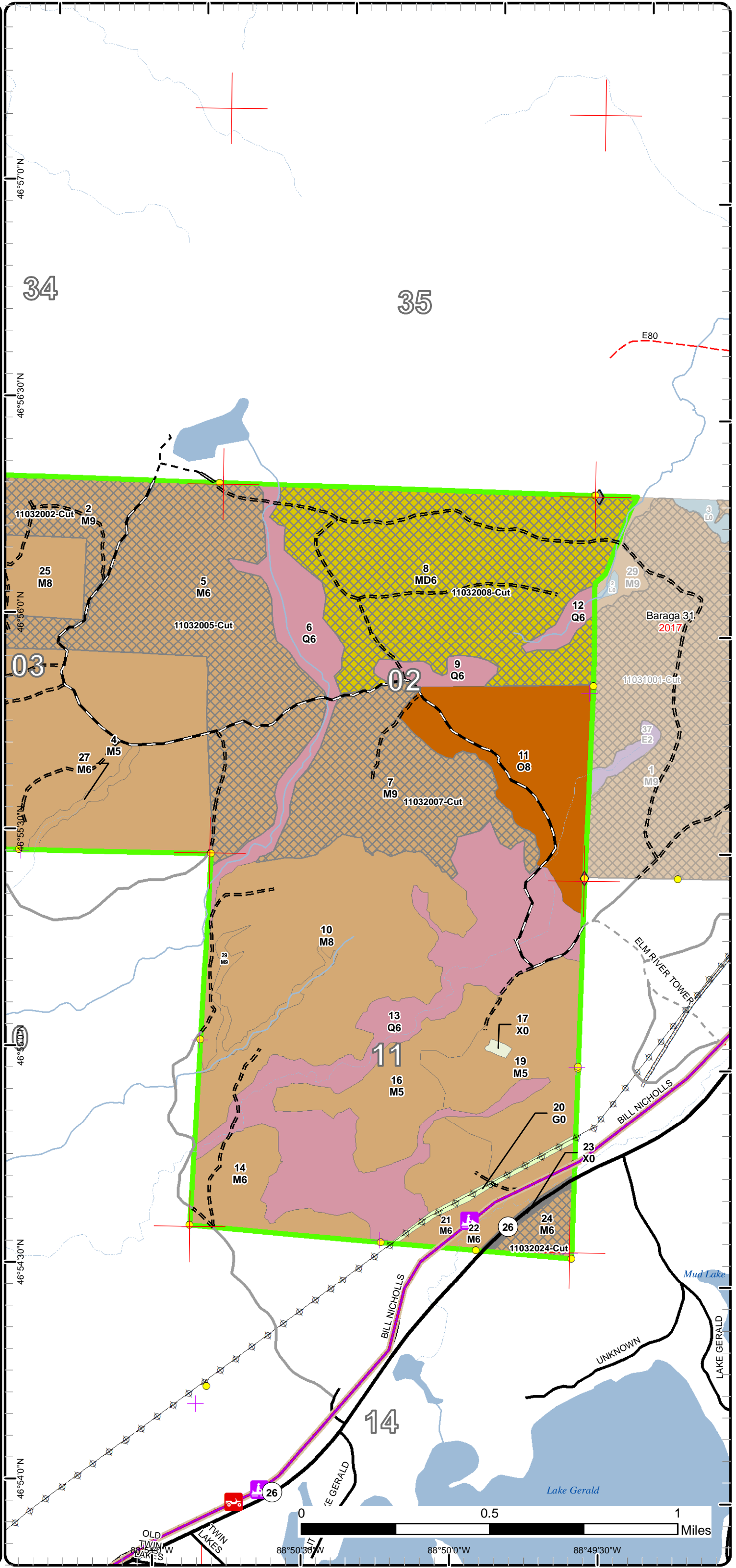
88°52'30"W 88°52'0"W 88°51'30"W 88°50'30"W

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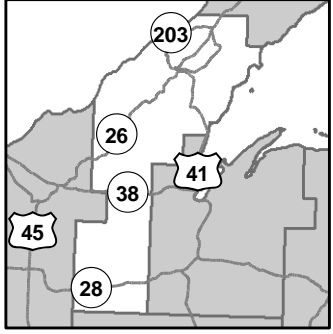
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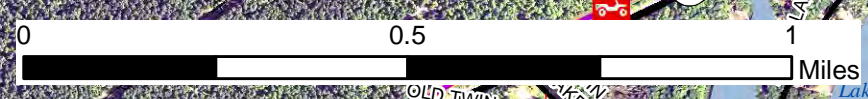
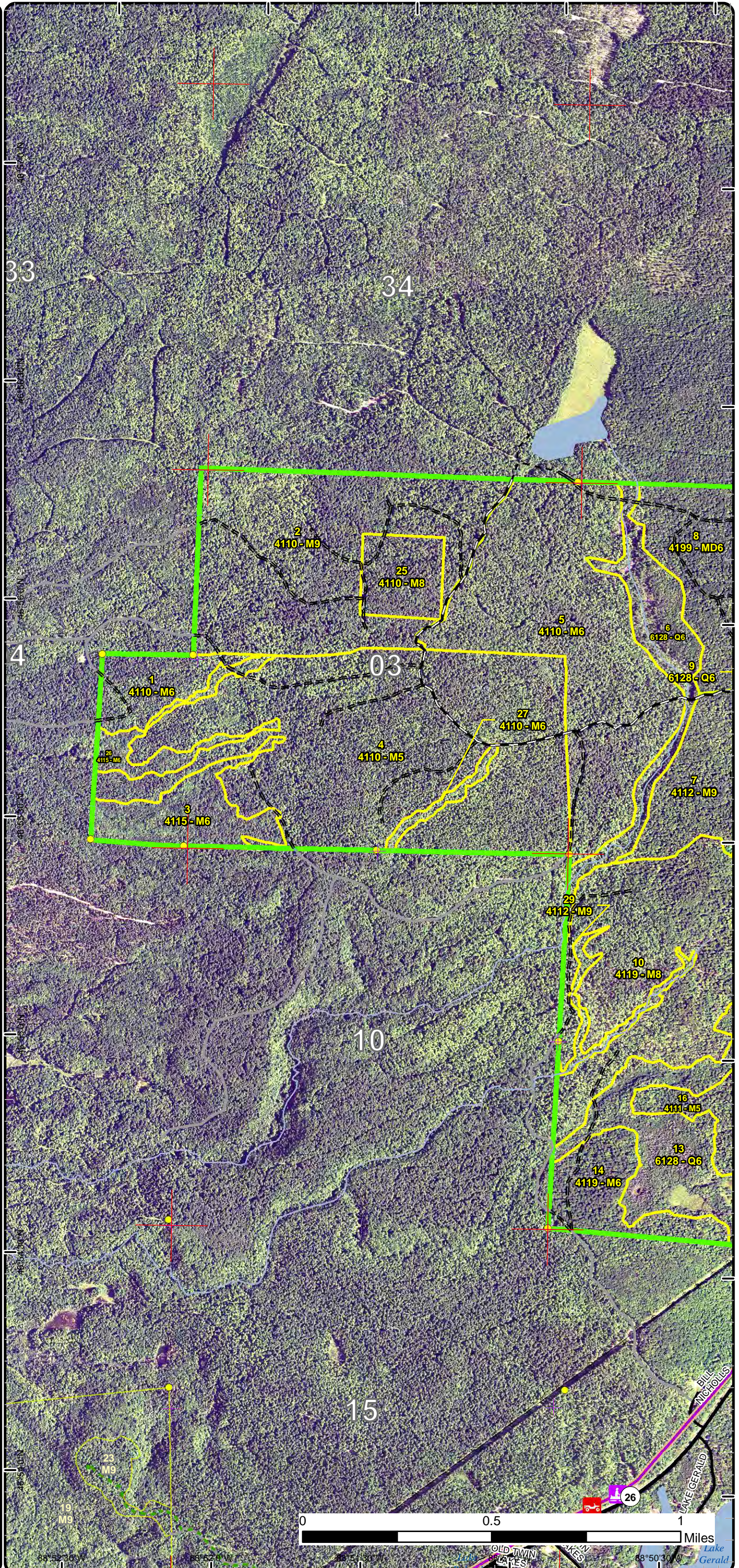
88°50'36" W 88°50'0" W 88°49'30" W

Stand Boundary Map

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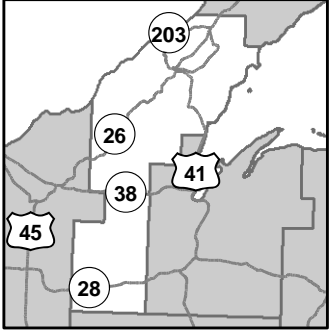
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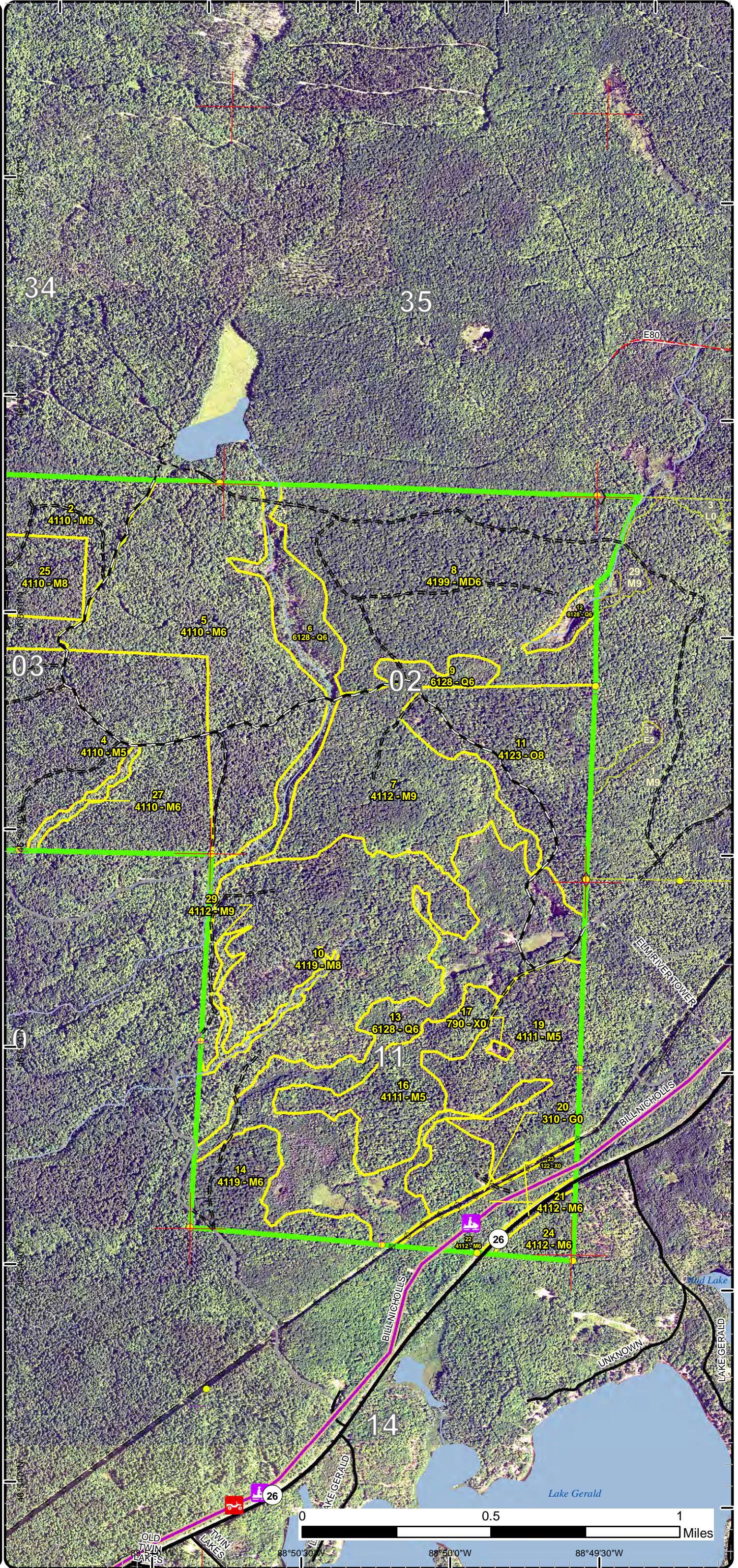
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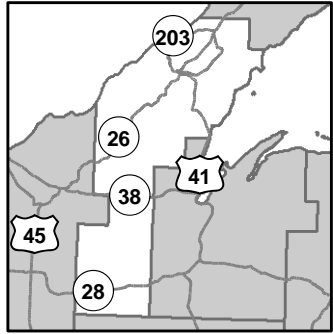


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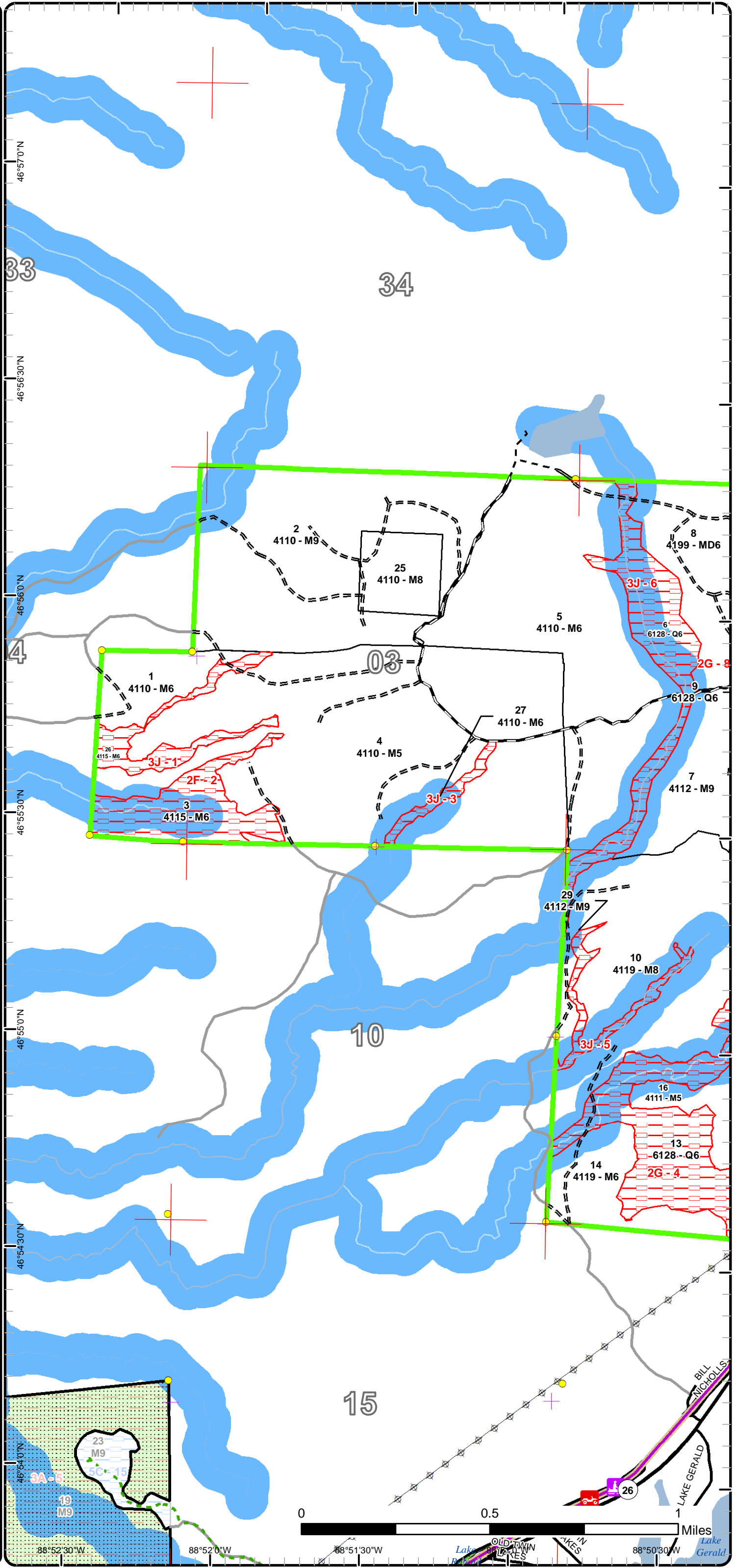


Special Conservation Areas & Site Conditions Map

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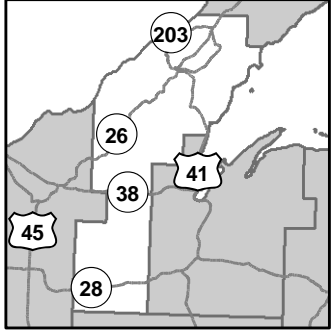


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- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Rail-Trail Corridor
- Possible Type 1 Old Growth

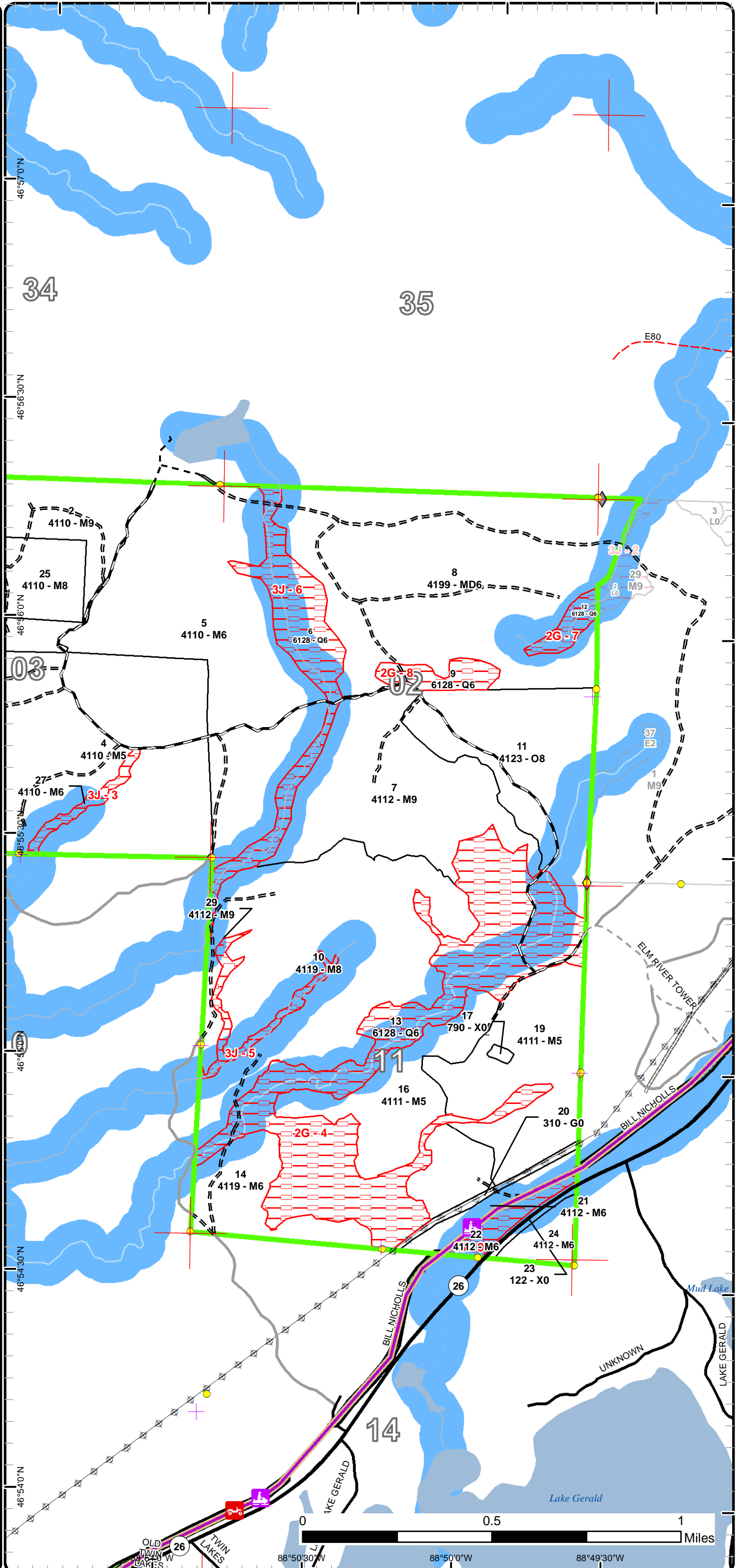


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- High Priority Trout Stream Buffer
- Rail-Trail Corridor



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
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	248	248
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	239	239
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1415	1415
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2001	2013



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 32

Total Compartment Acres: 2,013

Commercial Harvest - 759
 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
Mixed Upland Deciduous	0	239	0	0	0	0	0	0	0	239
Northern Hardwood	0	520	0	0	0	0	0	0	0	520
Total	0	759	0	0	0	0	0	0	0	759

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	759	0	0	0	0	0	0	0	0	759
Next Step	0	0	0	0	0	759	0	0	0	759
Total	759	0	0	0	0	759	0	0	0	1517



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	11032002-Cut	188.3	4110 - Sugar Maple Association	Sawtimber Well	87	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

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

Other Retention: 3-10% BA will be the retention for this stand.
Comment:

Proposed Start Date: 10/1 /2020

5	11032005-Cut	199.1	4110 - Sugar Maple Association	Poetimber Well	89	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

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

Other Retention: 3-10% BA will be the retention for this stand.
Comment:

Proposed Start Date: 10/1 /2020

7	11032007-Cut	117.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	95	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

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

Other Retention: 3-10% BA will be the retention for this stand.
Comment:

Proposed Start Date: 10/1 /2020

8	11032008-Cut	239.0	4199 - Other Mixed Upland Deciduous	Poetimber Well	85	111- 140	Harvest	Single Tree Selection	4199 - Other Mixed Upland Deciduous	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

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

Other Retention: 3-10% BA will be the retention for this stand.
Comment:

Proposed Start Date: 10/1 /2020



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
24 11032024-Cut	14.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".

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

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

Other Retention: 3-10% BA will be the retention for this stand.
Comment:

Proposed Start Date: 10/1 /2020

Total Treatment Acreage Proposed: 758.6

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Collins : Examiner

Compartment: 32
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		2F	2G	3J
1	1	0	0	Bare/Sparsely Vegetated			
6	6	0	0	Herbaceous Openland		0	
248	0	0	248	Lowland Conifers		196	53
239	239	0	0	Mixed Upland Deciduous		0	0
1415	1322	0	93	Northern Hardwood	43	0	50
99	99	0	0	Oak		0	
5	5	0	0	Urban			
2,013	1,672		342	Total Forested Acres	43	196	103
	83%		17%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	2F: Too steep	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	2F: Too steep	43	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Collins : Examiner

Compartment: 32
Year of Entry: 2021

4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	175	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	53	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	2G: Too wet (sensitive soils, does not include access issues)	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 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	4110 - Sugar Maple Association	Poletimber Well	31.6	77	81-110	N/A	Units 1 and 2 of T.P. Hardwoods 11-010-11		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		80	Pole/Log	9	77	Sugar Maple	Full	Variable	Sapling
Red Maple		10	Pole/Log	8		Red Maple	Full	Variable	Pole
						Yellow Birch	Low	Variable	Sapling
						Hemlock	Low	>20 feet	Pole
						White Ash	Low	>20 feet	Sapling
						Ironwood	Low	>20 feet	Sapling

2	4110 - Sugar Maple Association	Sawtimber Well	188.3	87	111-140	N/A	Stand 25 was taken out of 2 for Walters research area.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		80	Log/Pole	12	87	Sugar Maple	Full	Variable	Sapling
Basswood		15	Log/Pole	11		Red Maple	Full	Variable	Sapling
						Yellow Birch	High	Variable	Sapling
						Basswood	High	Variable	Sapling
						White Ash	Medium	Variable	Sapling
						White Spruce	Medium	10 - 20 feet	Sapling
						Ironwood	Medium	10 - 20 feet	Sapling

3	4115 - Y.Birch, Hemlock NH	Poletimber Well	43.0	99	111-140	N/A	rugged		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		30	Pole/Log	8	99	Sugar Maple	Full	Variable	Sapling
Red Maple		17	Pole/Log	8		Red Maple	Full	Variable	Sapling
Yellow Birch		20	Pole	7		Yellow Birch	Medium	Variable	Sapling
Basswood		10	Pole	8		Hemlock	Full	>20 feet	Pole
Hemlock		20	Log	12		Ironwood	Low	10 - 20 feet	Sapling

4	4110 - Sugar Maple Association	Poletimber Medium	311.2	94	81-110	N/A	Harvest complete in in 2013, T. P. hardwoods 11-010-11. Observed some top dieback and blown down timber likely from wind event in 2016.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		72	Log/Pole	14	94	Sugar Maple	Full	Variable	Sapling
Red Maple		10	Pole/Log	9		Red Maple	Full	Variable	Sapling
Basswood		10	Log/Pole	10		Balsam Fir	Low	10 - 20 feet	Sapling
						Hemlock	Low	Variable	Pole
						Ironwood	Full	10 - 20 feet	Sapling

5	4110 - Sugar Maple Association	Poletimber Well	199.1	89	111-140	N/A	Last harvested under Sue-Wee Hardwoods 11-004-01		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		70	Log/Pole	12	89	Sugar Maple	Full	Variable	Sapling
Basswood		15	Log/Pole	11		Red Maple	Full	Variable	Sapling
						White Ash	Medium	10 - 20 feet	Sapling
						Ironwood	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	52.8	91	81-110	N/A	Stand is variable. South is closer to a Northern Hardwoods type and the North is a Q type.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	17	Pole	7		Red Maple	High	Variable	Sapling
White Ash	20	Pole	7		Balsam Fir	High	Variable	Sapling
Balsam Fir	19	Pole	7		Alder	High	10 - 20 feet	Tall Shrub
White Spruce	21	Pole	7	91				
Hemlock	20	Pole	7					

7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	117.6	95	111-140	N/A	Pinnacle hdwd 11-005-01, cut in 2002.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	72	Log/Pole	13	95	Sugar Maple	Full	Variable	Sapling
Red Maple	20	Log/Pole	10		Red Maple	Full	Variable	Sapling
					Yellow Birch	High	Variable	Sapling
					White Ash	Full	10 - 20 feet	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling

8	4199 - Other Mixed Upland Deciduous	Poletimber Well	239.0	85	111-140	N/A	Stand last harvested in 2001 under Blind Window Hardwood, Little Bear Hardwood, and Screen Door Hardwood.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Log/Pole	11		Sugar Maple	Full	Variable	Sapling
Red Maple	15	Pole	8		Red Maple	Full	Variable	Sapling
Red Oak	50	Log	14	85	Red Oak	Medium	5 - 10 feet	Sapling
					Balsam Fir	Low	10 - 20 feet	Sapling
					Hemlock	Medium	10 - 20 feet	Sapling
					Ironwood	Medium	10 - 20 feet	Sapling
					Yellow Birch	Low	Variable	Sapling

9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.4	113	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		Sugar Maple	Full	Variable	Sapling
Northern White Cedar	20	Pole	7		Red Maple	Full	Variable	Sapling
Hemlock	50	Pole/Log	9	113	Yellow Birch	High	Variable	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling
					Northern White Cedar	Medium	10 - 20 feet	Sapling
					Hemlock	Full	Variable	Sapling
					Ironwood	High	10 - 20 feet	Sapling
					Alder	Medium	5 - 10 feet	Tall Shrub



Stand **Level 4 Cover Type** **Size Density** **Acres** **Stand Age** **BA Range** **Managed Site** **General Comments**

10 4119 - Mixed Northern Hardwoods Sawtimber Medium 201.1 87 51-80 N/A Cut in 2014-2015 under Elm River Hardwoods 11-012-11.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Log	13	87	Sugar Maple	Full	Variable	Sapling
Red Maple	15	Log/Pole	11		Red Maple	Full	Variable	Sapling
Red Oak	30	Log/Pole/XLog	16		Yellow Birch	Medium	Variable	Sapling
					Red Oak	Low	10 - 20 feet	Sapling
					Hemlock	Low	10 - 20 feet	Sapling
					Ironwood	Medium	10 - 20 feet	Sapling

11 4123 - Red Oak Sawtimber Medium 98.9 90 51-80 N/A Harvested under B.O.B. (big Oak Block) 11-011-11.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole/Log	9		Sugar Maple	Full	Variable	Sapling
Red Maple	10	Pole/Log	8		Red Maple	Full	Variable	Sapling
Red Oak	62	Log	16	90	Yellow Birch	Full	Variable	Sapling
					Balsam Fir	Low	10 - 20 feet	Sapling
					Ironwood	Full	10 - 20 feet	Sapling

12 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.6 113 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		Sugar Maple	Full	Variable	Sapling
Northern White Cedar	20	Pole	7		Red Maple	Full	Variable	Sapling
Hemlock	50	Pole/Log	9	113	Yellow Birch	High	Variable	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling
					Northern White Cedar	Medium	10 - 20 feet	Sapling
					Hemlock	Full	Variable	Sapling
					Ironwood	High	10 - 20 feet	Sapling
					Alder	Medium	5 - 10 feet	Tall Shrub

13 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 174.5 140 111-140 N/A Stand is variable throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	7		Sugar Maple	Medium	Variable	Sapling
Red Maple	11	Pole	8		Red Maple	Full	Variable	Sapling
Balsam Fir	15	Pole	6		White Ash	Low	Variable	Sapling
White Spruce	15	Pole	8		Balsam Fir	Full	Variable	Sapling
Northern White Cedar	15	Pole	6		White Spruce	Medium	10 - 20 feet	Sapling
Hemlock	25	Log	10	140	Northern White Cedar	Medium	>20 feet	Pole
					White Pine	Low	10 - 20 feet	Sapling
					Hemlock	Full	>20 feet	Pole
					Tag Alder	Low	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
14	4119 - Mixed Northern Hardwoods	Poletimber Well	43.1	91	81-110	N/A	Stand was harvested under Elm River Hardwoods 11-012-11 in the 2011 Year of entry.																																													
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16	4111 - S.Maple, Hard Mast Association	Poletimber Medium	82.2	91	51-80	N/A	Harvested as part of Shawmut Creek Hardwoods 11-013-11 in Year of Entry 2011.																																													
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17	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3		Unspecified	No	Mine shaft and rock pile.																																													
19	4111 - S.Maple, Hard Mast Association	Poletimber Medium	88.1	77	81-110	N/A	Mine shafts within stand, rough ground. Harvested as part of Shawmut Creek Hardwoods 11-013-11 as part of 2011 Year of entry.																																													
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20	310 - Herbaceous Openland	Nonstocked	5.7		Unspecified	No	Power line																																													
21	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.8	73	81-110	N/A	Last Harvested as part of Shawmut Creek Hardwoods 11-013-11 in the 2011 year of entry.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22 4112 - Maple, Beech, Cherry Association Poletimber Well 12.7 80 51-80 N/A Misery river runs the length of the stand Trail (old RR grade) and highway. Wet creek bottom.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	48	Pole	8	80	Sugar Maple	High	Variable	Pole
Red Maple	40	Pole	8		Red Maple	High	Variable	Pole
					Balsam Fir	Low	5 - 10 feet	Sapling
					Ironwood	Low	< 5 feet	Sapling
					Alder	Medium	10 - 20 feet	Tall Shrub

23 122 - Road/Parking Lot Nonstocked 4.9 Unspecified No M-26 hwy

24 4112 - Maple, Beech, Cherry Association Poletimber Well 14.6 80 111-140 N/A cut in 2002

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole	7		Sugar Maple	Full	Variable	Sapling
Red Maple	55	Pole	7	80	Red Maple	Full	Variable	Sapling
					Yellow Birch	Medium	10 - 20 feet	Sapling
					Red Oak	High	Variable	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling

25 4110 - Sugar Maple Association Sawtimber Medium 29.3 87 51-80 N/A 2018: Lake Effect MWR, cut in winter 2017-18.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Log/Pole	8	87	Sugar Maple	Full	Variable	Sapling
Basswood	15	Log/Pole	8		Red Maple	Full	Variable	Sapling
					Yellow Birch	High	Variable	Sapling
					Basswood	High	Variable	Sapling
					White Ash	Medium	Variable	Sapling
					White Spruce	Medium	10 - 20 feet	Sapling
					Ironwood	Medium	10 - 20 feet	Sapling

26 4115 - Y.Birch, Hemlock NH Poletimber Well 19.4 99 111-140 N/A rugged

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Pole	6	99	Sugar Maple	Full	Variable	Sapling
Red Maple	17	Pole	6		Red Maple	Full	Variable	Sapling
Yellow Birch	20	Pole	6		Yellow Birch	Medium	Variable	Sapling
Basswood	10	Pole	6		Hemlock	Full	>20 feet	Pole
Hemlock	20	Log	11		Ironwood	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27 4110 - Sugar Maple Association Poletimber Well 6.5 94 81-110 N/A Stand was created from stand 4.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	76	Log/Pole	10	94	Sugar Maple	High	10 - 20 feet	Sapling
Red Oak	10	Log/Pole	12		Red Maple	Medium	Variable	Sapling
					Balsam Fir	Low	Variable	Sapling
					Ironwood	High	10 - 20 feet	Sapling

29 4112 - Maple, Beech, Cherry Association Sawtimber Well 11.7 87 81-110 N/A Area taken out of larger hardwood stand.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	73	Log/Pole	12	87	Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole/Log	9		Red Oak	Low	Variable	Sapling
					Hemlock	Trace	10 - 20 feet	Sapling
					Ironwood	Medium	10 - 20 feet	Sapling
					Balsam Fir	Medium	Variable	Sapling