



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11031

Entry Year: 2027

Acreage: 1,295

County: Houghton

Management Area: Houghton Hardwoods

Stand Examiner: Shaun Sullivan

Legal Description:

T52N R35W, Section 6
T52N R36W, Section 1
T53N R35W, Section 2
T54N R35W, Section 34

Identified Planning Goals:

Manage for high quality northern hardwoods. Expand mesic conifers within stands that are scheduled for treatment.

Soil and topography:

The soils in sections 1 and 6 are Trimountain Cobbly fine sandy loam, Trimountain- Paavola Complex, Trimountain- Paavola- Michigamme Complex. The topography in these sections is rolling to hilly. The soils around Lake Perrault are Kalkaska-Waiska Sands. The topography is level to rolling.

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

The parcels in Sections 1 and 6 are a solid block of State Forest land with state land to the west, and industry and small private ownerships to the north south and east. The predominant land use is commercial forest. The parcels in sections 2 and 34 are surrounded by industry land.

Unique Natural Features:

Wood turtle, Great blue heron rookery, Loon and Bald eagle have been documented in the compartment. Potential for osprey, moose, wolf and red-shouldered hawk.

Archeological, Historical, and Cultural Features:

The Military Road (Fort Howard to Fort Wilkins) crosses this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains the Misery River, the Salmon Trout River, two unnamed trout streams, Donklin Lake, Eleven Mile Lake, and Lake Perrault. Maintain a buffer to the high bank of the valley wall along the unnamed trout stream that runs through stand 21. Maintain a 50 ft buffer plus 5-ft per 1% increase in slope on the east and southwest portion of Donken Lake in stand 015. Maintain a 50 ft buffer plus 5-ft per 1% increase in slope along Eleven Mile Lake in stand 26.

Wildlife Habitat Considerations:

Hard and soft mast in this compartment supports a good bear population. Mesic conifer regeneration is not impacted by deer browsing.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of fine-textured till. There is insufficient data to determine the glacial drift thickness. The Precambrian Copper Harbor Conglomerate subcrops below the glacial drift. The Copper Harbor was previously mined for small amounts of copper. The nearest gravel pit is located just to the southwest and there maybe some potential. Abandoned copper mines and crushed basalt piles are located five miles to the southwest. This area has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is good. M-26, county roads and the Donken – Tapiola Road (DNR) provide access to the compartment. The internal road system, non county road, is good, but needs some improvement work.

Survey Needs:

Survey work will be needed.

Recreational Facilities and Opportunities:

The Bill Nicholls Rail-Trail crosses the compartment. This is a heavily used snowmobile trail, and a designated ORV route. The section 34 parcel includes Lake Perrault.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

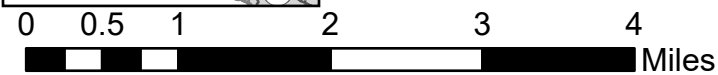
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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: 11031
T52N R35W, Section 6, 7
County: Houghton
Unit: Baraga
Mgmt. Area: Houghton Hardwoods
YOE: 2027
Acres: 1,295 GIS Calculated
Examiner: Shaun Sullivan
Date Exported: 09/15/2025
Map Phase: Post Review



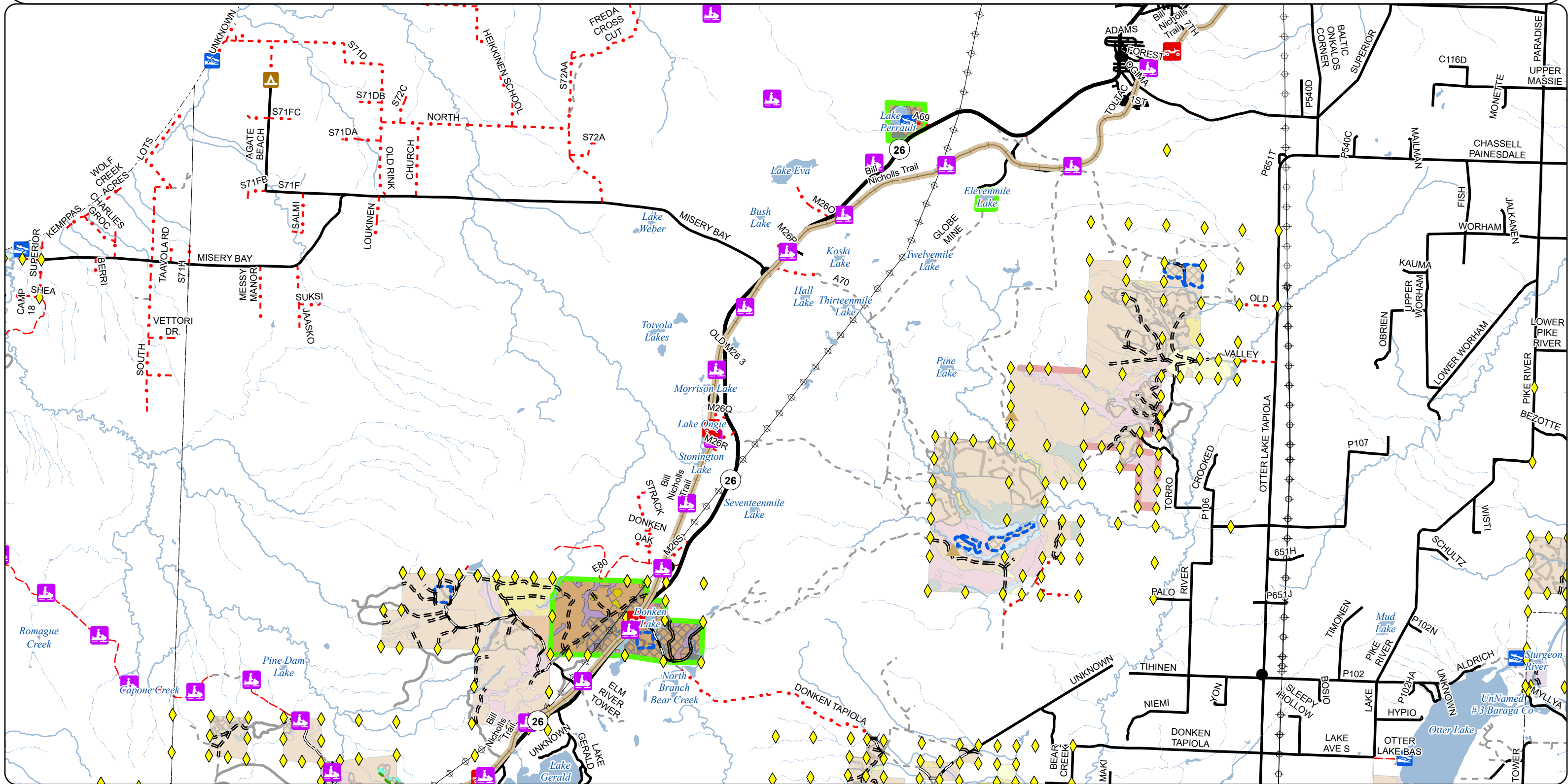
- Survey Grade Corners
- Berms
- Boating Access Site
- Bridges
- Culvert
- Campground
- City

- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)

- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Powerline
- Lakes and Rivers
- Counties
- Compartment Boundary

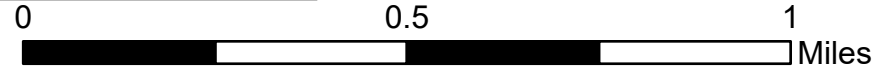
- Clearcut
- Selection
- Monitoring - Regeneration
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest

- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 320 - Upland Shrub
- 622 - Lowland Shrub



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- Boating Access Site

Designated ORV Routes

DNR - Primary Forest Road

Federal / State Highway

Federal / State / County - Paved Road

County - Gravel Road
- Private - Dirt / Gravel Road

Intermittent Stream

Powerline

Lakes and Rivers

Counties

Compartment Boundary

Selection
- Treatments with Site Conditions

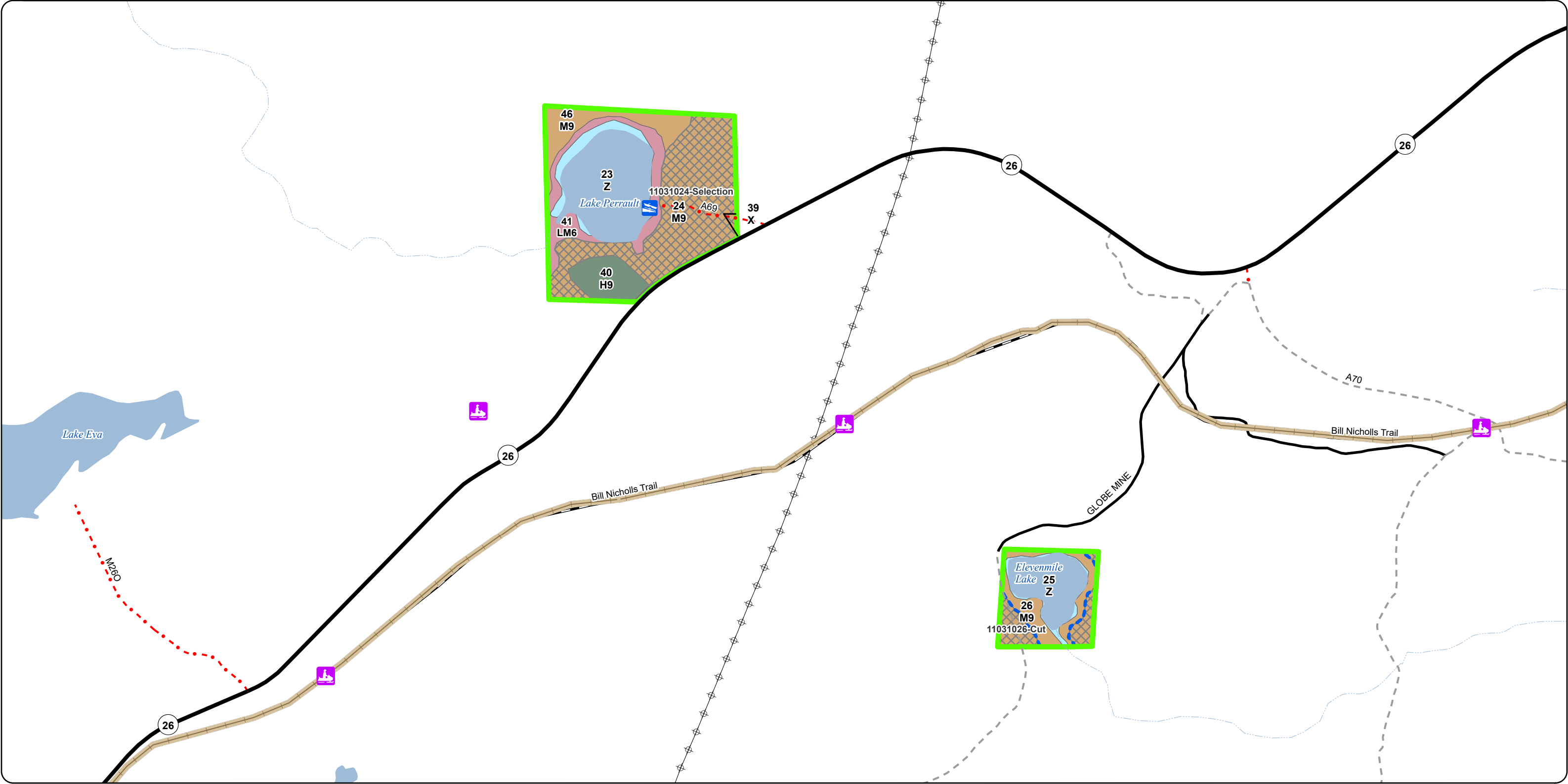
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Cover Type & Treatments Map

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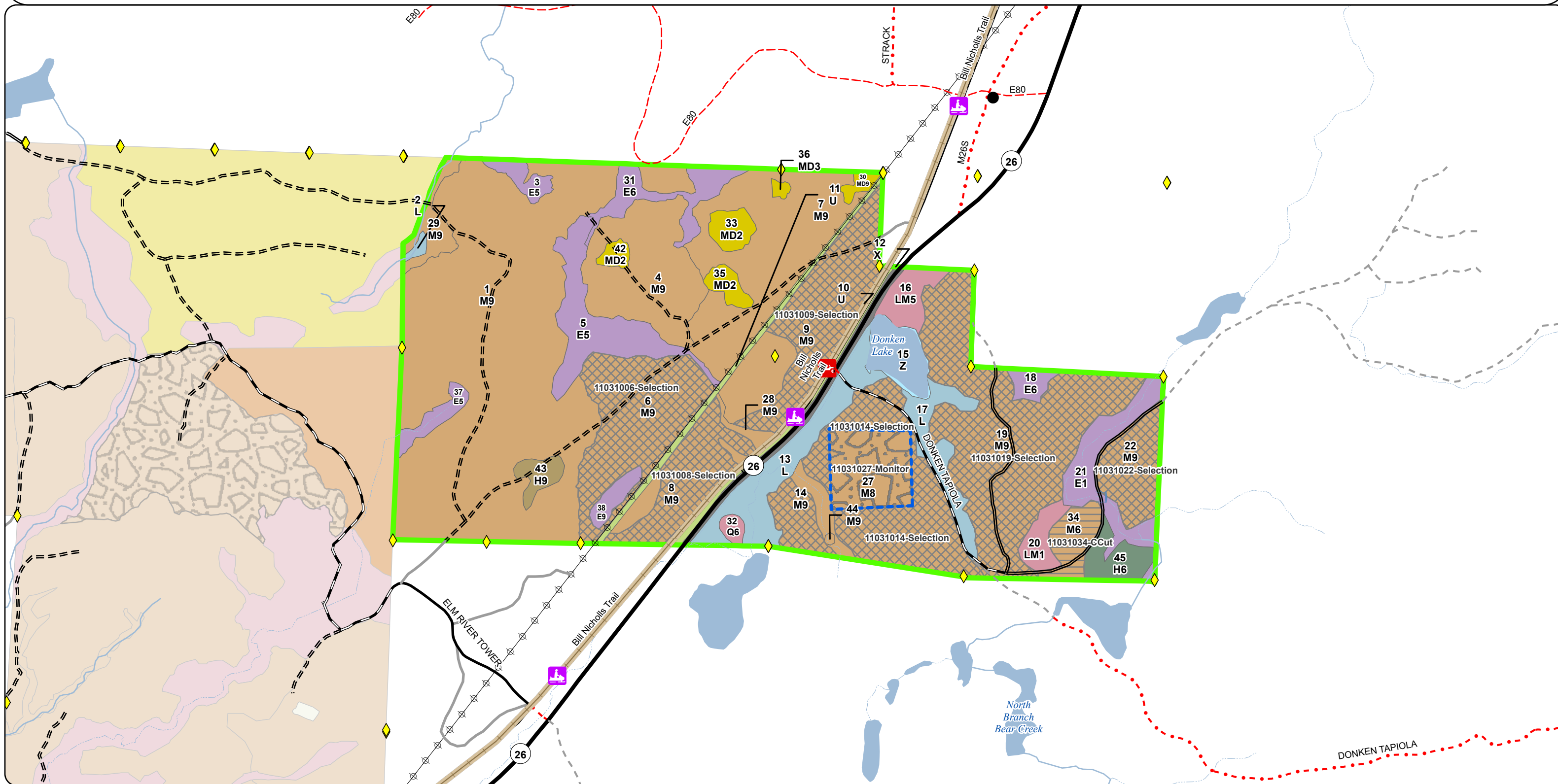
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- Survey Grade Corners
- Culvert
- City
- Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway








- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
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- Intermittent Stream
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- Counties
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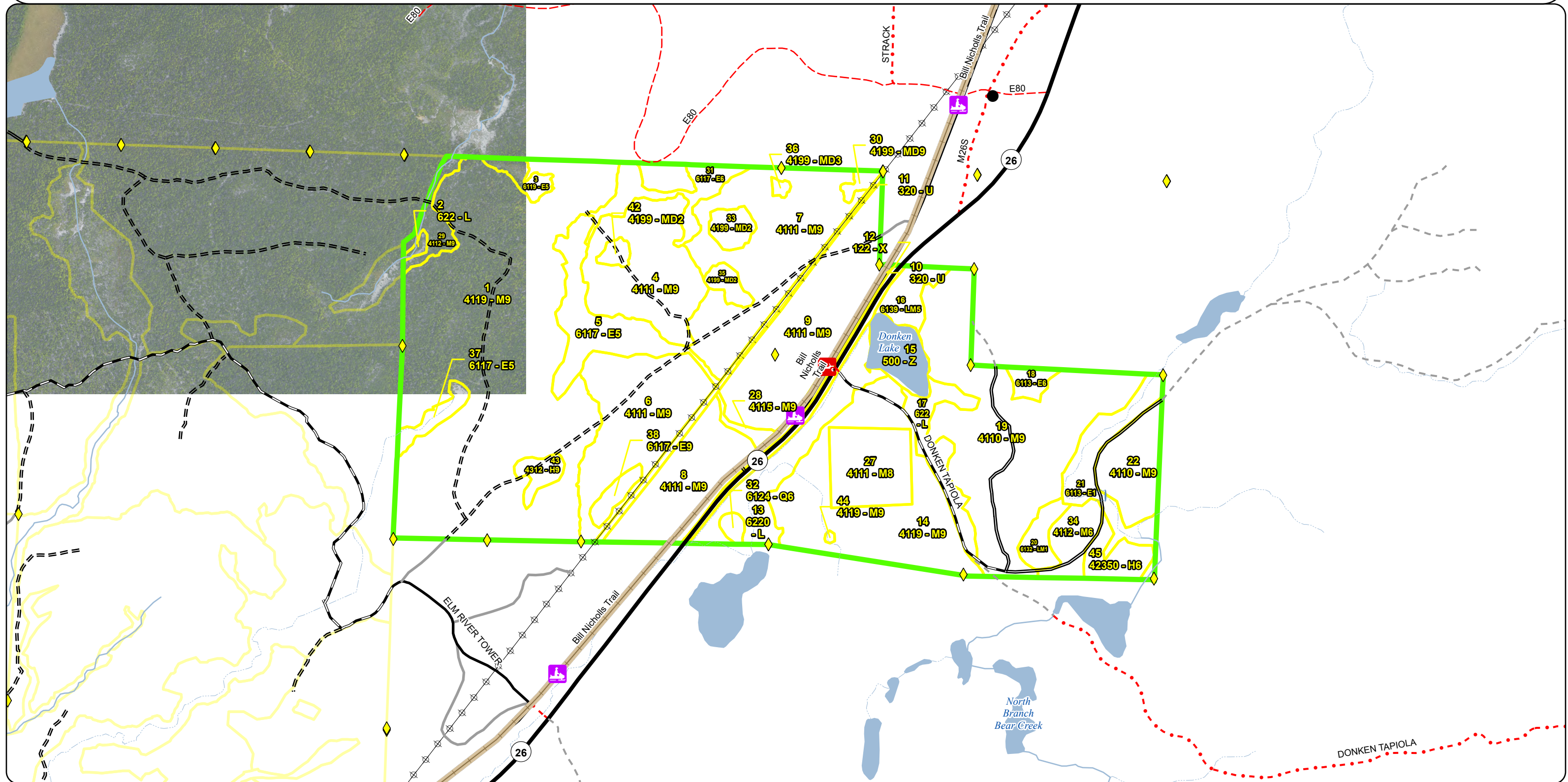


-  Survey Grade Corners
-  Culvert
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-  DNR - Primary Forest Road
-  DNR - Secondary Forest Road
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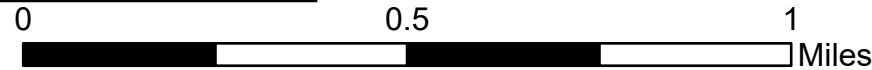
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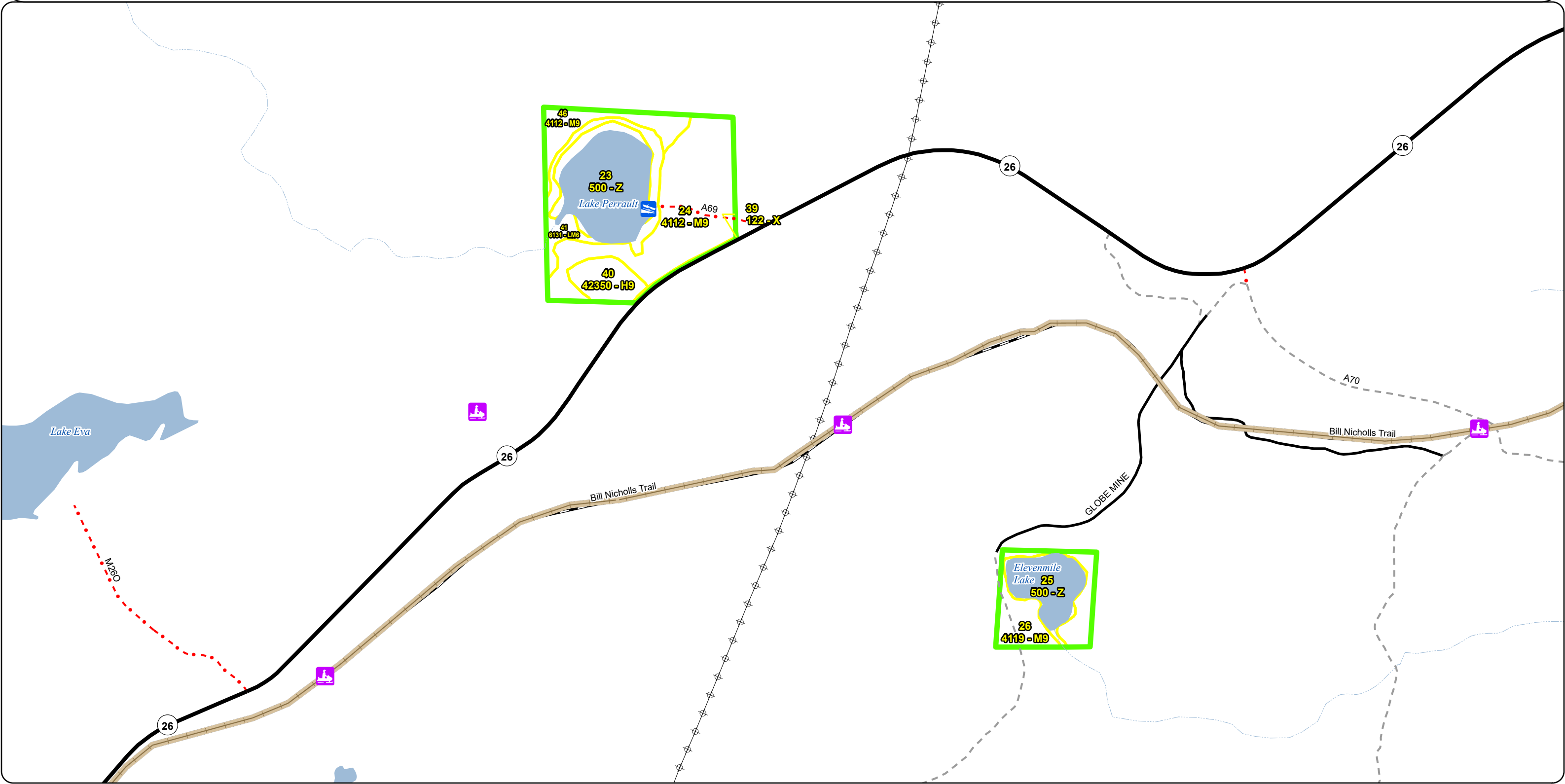


Stand Boundary Map

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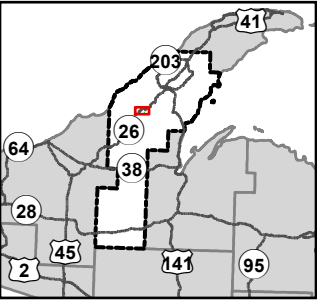
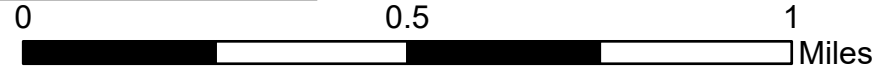


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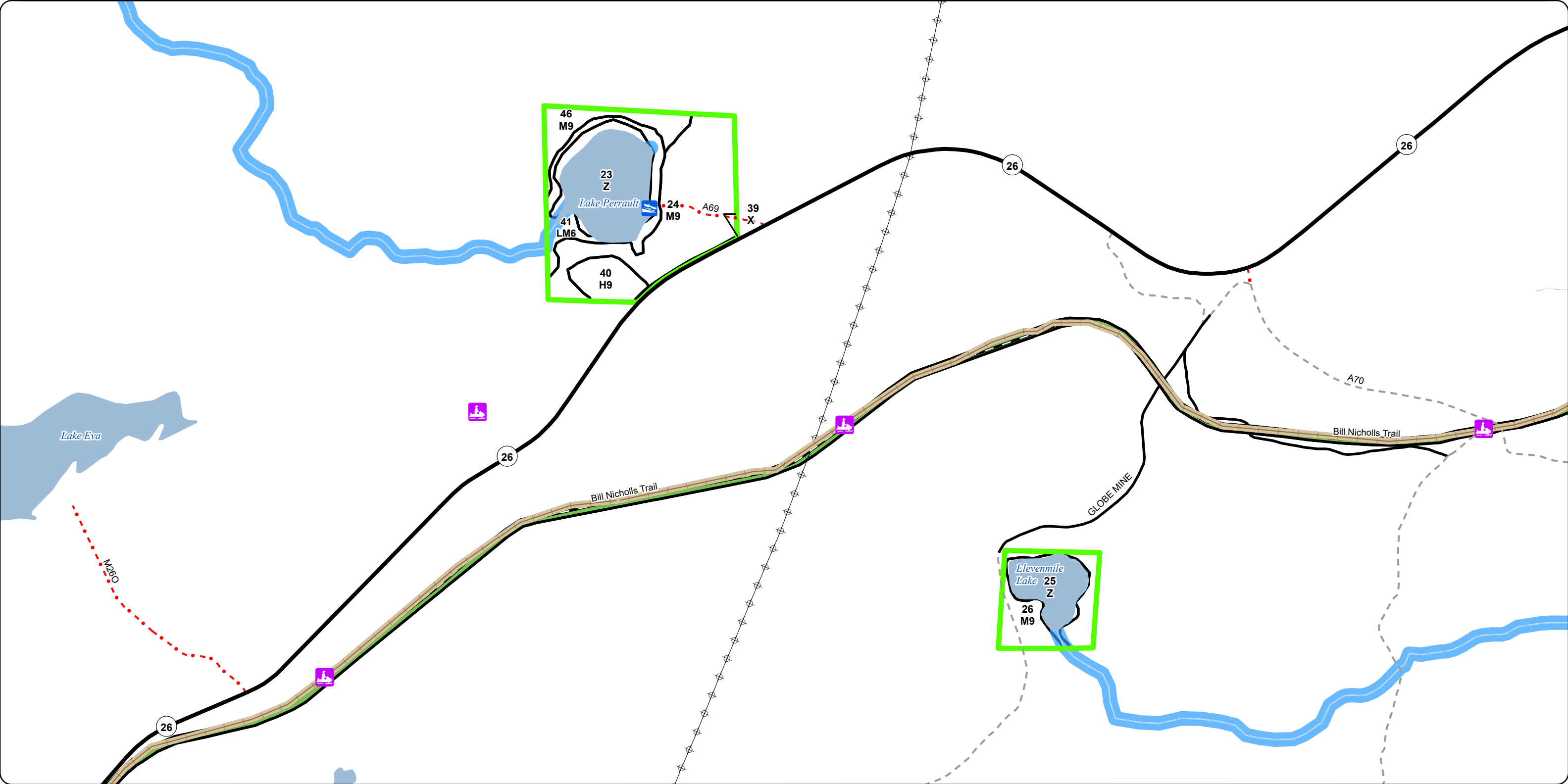


Special Conservation Areas
& Site Conditions Map

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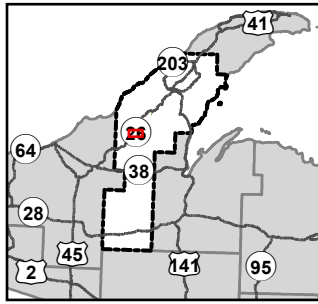


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- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Trail - Trail Corridor



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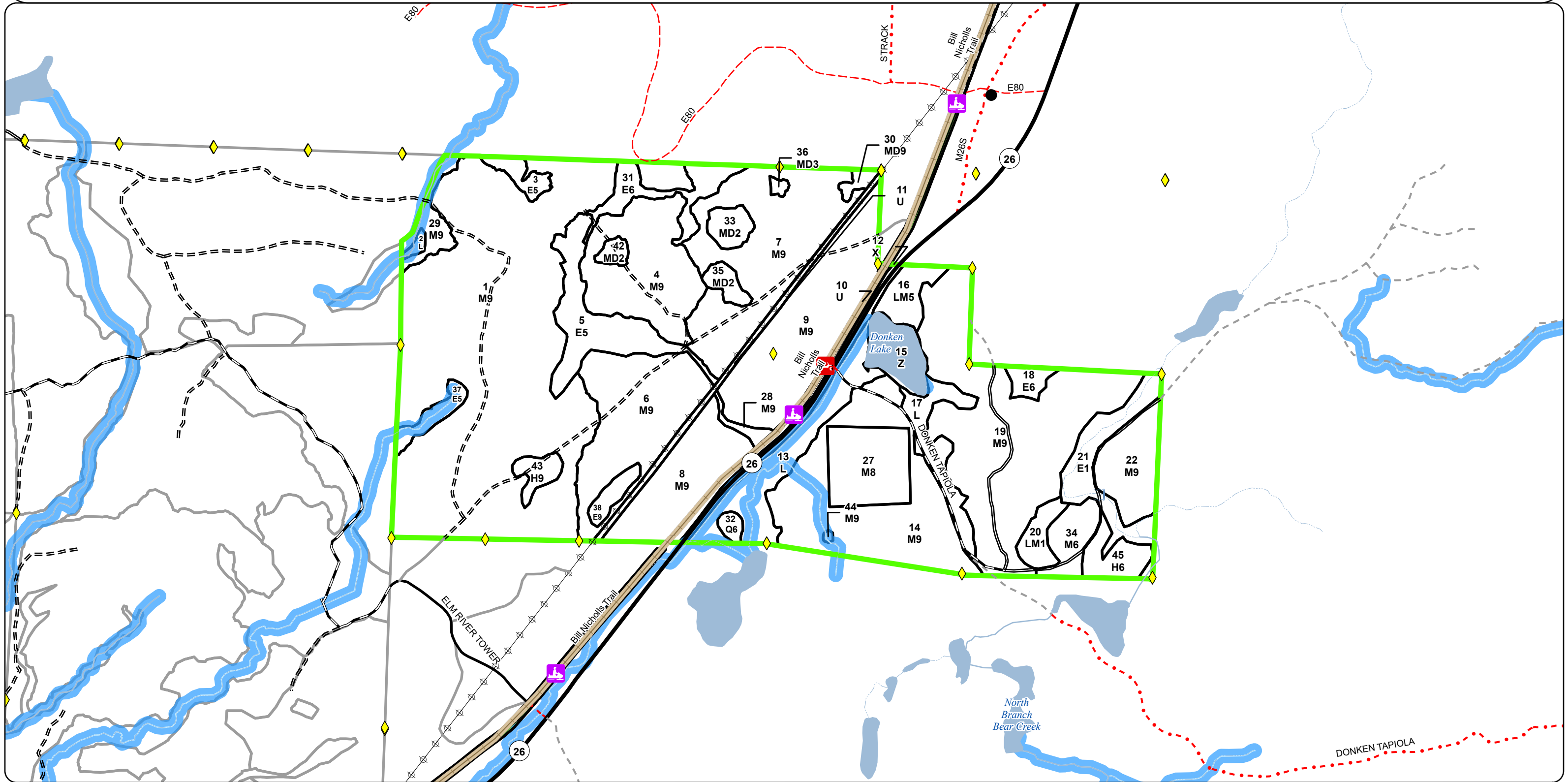
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Report 1 – Total Acres by Cover Type and Age Class



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
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Lowland Conifers	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Deciduous	0	0	0	0	25	7	0	5	17	0	0	0	0	0	0	0	0	44	98
Lowland Mixed Forest	0	0	0	0	8	0	11	0	0	0	0	0	0	0	0	0	0	18	37
Lowland Shrub	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	946	946
Upland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Total	163	16	0	0	33	7	14	5	17	0	0	0	0	0	0	0	0	1040	1295



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 31
Total Compartment Acres: 1,295

Commercial Harvest - 866

Harvests with Site Condition - 20

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
Northern Hardwood		13	430	0	0	0	0	0	0	0	443
	Total	13	430	0	0	0	0	0	0	0	443

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		443	0	0	0	0	0	28	0	0	472
Next Step		0	0	0	0	0	0	443	0	0	443
	Total	443	0	0	0	0	0	472	0	0	915



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	Habitat Cut
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Approved Treatments:

9	11031006- Selection	60.0	4111 - S.Maple, Hard Mast Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

9	11031008- Selection	32.8	4111 - S.Maple, Hard Mast Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. Outcrop removed from treatment and site condition put on it. Adjust stands after sale layout is completed. Bill Nicolls trail runs along east side of sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

9	11031009- Selection	52.6	4111 - S.Maple, Hard Mast Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. Outcrop removed from treatment and site condition put on it. Adjust stands after sale layout is completed. Bill Nicolls trail runs along east side of sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

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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14	11031014- Selection	70.1	4119 - Mixed Northern Hardwoods	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
19	11031019- Selection	121.0	4110 - Sugar Maple Association	9	109	141- 170	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
19	11031022- Selection	24.4	4110 - Sugar Maple Association	9	109	141- 170	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
24	11031024- Selection	59.2	4112 - Maple, Beech, Cherry Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. Northwest corner of stand was dropped from treatment proposal due to terrain/access. Adjust stand layer after field work is completed. Needs corner request for monumentation (submitted 2/5/25) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
26	11031026-Cut	10.0	4119 - Mixed Northern Hardwoods	9	109	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> 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". <u>Specs:</u> <u>Next Step</u> Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand.Eased access through Molpus Woodlands Group (LST Fund) via Challenge Mine <u>Comment:</u> Road. Needs corner request for monumentation (submitted 2/5/25) <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											
27	11031027-Monitor	28.3	4111 - S.Maple, Hard Mast Association	8	109	51-80	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> MWR Project <u>Specs:</u> MSU crew will monitor site per study specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Northern hardwoods <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> Research Study <u>Proposed Start Date:</u> 10/01/2025											
34	11031034-CCut	13.1	4112 - Maple, Beech, Cherry Association	6	70	111-140	Harvest	Clearcut	611 - Lowland Deciduous Forest	Planting Record	No
<u>Prescription</u> Harvest all species down to 4.6 inches DBH except red oak, cedar, hemlock and white pine. Also, reserve paper birch if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stands over story species prior to harvest. <u>Regen:</u> <u>Other</u> Retention: 3-10% BA will be the retention for this stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

Total Treatment 471.5
 Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres Available <i>With Condition</i>	Acres Not Available	Dominant Site Conditions							
					2I	5C	5G	2F	2G	2H	3J
29	18	0	11	Hemlock					11		
3	0	0	3	Lowland Conifers						3	
97	32	5	60	Lowland Deciduous		5			6		55
37	11	0	26	Lowland Mixed Forest					8		18
54	54	0	0	Lowland Shrub							
19	19	0	0	Mixed Upland Deciduous							
860	760	50	50	Northern Hardwood	22		28	37			13
22	22	0	0	Upland Shrub							
13	13	0	0	Urban							
74	74	0	0	Water							
1,208	1,003	55	150	Total Forested Acres	22	5	28	37	25	3	85
	83%	5%	12%	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	2I: Survey needed	22	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Riparian corridor								
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Baraga Mgt. Unit
Shaun Sullivan: Examiner

Compartment: 31
Year of Entry: 2027



4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Flowing water on 4 sides.							
5	Unavailable	2F: Too steep	15	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Drain							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Shaun Sullivan: Examiner

Compartment: 31
Year of Entry: 2027



10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	18	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5G: Research Study	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Walters research parcel							
15	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: lowland stand with drain							
17	Unavailable	2F: Too steep	18	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
Comments				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4111 - S.Maple, Hard Mast Association	Sawtimber Well	60.0	109	111-140	N/A	1988 Rock Hole Hdwd, 11-010-07-01 Donken Hdwd Units TCR 9/11/2012. 1/28/25 - inventory complete, stand is ready for treatment.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch		5		11		Sugar Maple	High	10 - 20 feet	10 - 20 feet
Sugar Maple		63		14	109	Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple		5		12	50	Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Basswood		5		14		Ironwood	Low	10 - 20 feet	10 - 20 feet
White Ash		5		14		Red Oak	Low	10 - 20 feet	10 - 20 feet
Red Oak		15		16		White Spruce	Low	10 - 20 feet	10 - 20 feet
Hemlock		2		14		Hemlock	Low	>20 feet	>20 feet
7	4111 - S.Maple, Hard Mast Association	Sawtimber Well	79.2	109	81-110	N/A	Cut as part of Oak Patch 11-009-17-01. Finished in the winter of 2019/20. 1/28/25 - Inventory completed		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		64		12	109	Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Red Maple		5		10		White Ash	Low	10 - 20 feet	10 - 20 feet
Red Oak		20		14		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch		5		10		Red Maple	Low	5 - 10 feet	5 - 10 feet
Basswood		5		12		Red Oak	Low	10 - 20 feet	10 - 20 feet
White Ash		1	Seedling	8		White Spruce	Low	5 - 10 feet	5 - 10 feet
8	4111 - S.Maple, Hard Mast Association	Sawtimber Well	38.5	109	111-140	N/A	Nicholls Trail Hdwd, completed over 2 Winters. Done by Spring 2002.Stand is adjacent to the Bill Nicholls snowmobile trail on the east side. 2/3/25 - inventory completed - ready to harvest. Part of stand has site condition for steepness.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch		2		14		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Basswood		3		14		Red Maple	Low	10 - 20 feet	10 - 20 feet
White Ash		5		14		Red Oak	Low	10 - 20 feet	10 - 20 feet
Red Oak		15		16		White Spruce	Low	10 - 20 feet	10 - 20 feet
Sugar Maple		65		14	109	Hemlock	Low	>20 feet	>20 feet
Red Maple		10		12		Yellow Birch	Low	10 - 20 feet	10 - 20 feet
						Ironwood	Low	10 - 20 feet	10 - 20 feet
9	4111 - S.Maple, Hard Mast Association	Sawtimber Well	70.3	109	111-140	N/A	NORTH OF DRAINAGE VERY STEEP TERRAIN. PARTLY BLUFF. Stand is adjacent to the Bill Nicholls snowmobile trail on the east side. Harvested in 2007/08 as part of "NorthEnd Hardwoods" (11-011-07- 01)2/3/25 - Inventory completed - ready for treatment. Part of stand has site condition for steepness.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch		2		12		Red Oak	Low	5 - 10 feet	5 - 10 feet
Red Oak		10		16		Yellow Birch	Low	5 - 10 feet	5 - 10 feet
Hemlock		3		14		Ironwood	Low	10 - 20 feet	10 - 20 feet
Basswood		3		12		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
White Ash		2		12		Red Maple	Low	10 - 20 feet	10 - 20 feet
Sugar Maple		70		14	109				
Red Maple		10		12					
10	320 - Upland Shrub	None	11.4			No	Nicholls Trail ROW		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
11	320 - Upland Shrub	None	10.5			No	Double Pole Power line			
12	122 - Road/Parking Lot	None	11.7			No	M-26 ROW			
13	6220 - Alder/Willow	None	34.3			No	Drainage.2/3/25 - Inventory completed			
14	4119 - Mixed Northern Hardwoods	Sawtimber Well	77.1	109	111-140	N/A	harvested in 2007/08 as part of "NorthEnd Hardwoods" (11-011-07-01)This stand was not treated as part of MWR research. Treatment lineage is wrong.2/3/25 - Inventory complete. Ready for treatment - some die back in east corner of stand			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		69		12	109	Balsam Fir		Low	10 - 20 feet	10 - 20 feet
Red Maple		10		12		Ironwood		Low	10 - 20 feet	10 - 20 feet
White Pine		2		16		White Pine		Low	10 - 20 feet	10 - 20 feet
Red Oak		5		14		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
White Spruce		3		14		Red Maple		Low	10 - 20 feet	10 - 20 feet
Hemlock		2		16		Hemlock		Low	>20 feet	>20 feet
Basswood		4		12						
White Ash		2		12						
Yellow Birch		3		12						
15	500 - Water	None	15.2			No		DONKEN LAKE		
16	6139 - Mixed Lowland Forest	Poletimber Medium	11.0	50	Unspecified	N/A		Sparsely forested lowland drainage, heavy to tag alder.2/3/25 - Inventory completed		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Ash		20	Sapling	5		Tag Alder	Full		5 - 10 feet	5 - 10 feet
Balsam Fir		20	Sapling	5						
Tamarack		10	Sapling	5						
Red Maple		30	Sapling	5	50					
White Spruce		10	Sapling	5						
Northern White Cedar		10	Sapling	5						
17	622 - Lowland Shrub	None	18.0			No	Tag alder drainage.			
18	6113 - Lowland Maple	Poletimber Well	5.1	60	Unspecified	N/A	Wet ground. E type.2/3/25 - Inventory completed			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Yellow Birch		5	Sapling	6		Balsam Fir	Low	10 - 20 feet	10 - 20 feet	
Quaking Aspen		5		10		Red Maple	Low	10 - 20 feet	10 - 20 feet	
Red Maple		75	Seedling	8	60	Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
Black Spruce		10	Seedling	8						
Northern White Cedar		5		8						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
45	42350 - Upland Hemlock	Poletimber Well	11.4	70	111-140	N/A	Pole stand with wet pockets throughout. Heavy patches of hemlock and cedar. 2/3/25 - Inventory completed - stand was split out from stand 34 due to covertype.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black Ash		5	Sapling	6		Balsam Fir		High	10 - 20 feet	10 - 20 feet	
Balsam Fir		2	Seedling	8		Northern White Cedar		Low	10 - 20 feet	10 - 20 feet	
White Pine		2		18		Hemlock		Low	10 - 20 feet	10 - 20 feet	
Black Cherry		10	Seedling	9							
Red Maple		20	Seedling	9	70						
Yellow Birch		3	Seedling	9							
White Spruce		3		8							
Hemlock		55		16	70						
46	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.7	109	111-140	N/A	2/4/25 - Inventory completed - ready to harvest but due to terrrain and access delay treatment site condition put on it.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Basswood		5		12		Ironwood		Low	10 - 20 feet	10 - 20 feet	
White Ash		1		10		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet	
White Pine		2		16		Red Maple		Low	10 - 20 feet	10 - 20 feet	
Yellow Birch		5		10							
Sugar Maple		70		14	109						
Red Maple		10		12	50						
Red Oak		4		14							
Hemlock		3		14							