



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: 04/28/2025
Map Phase: Web Post



0 0.5 1 2 3 4 Miles

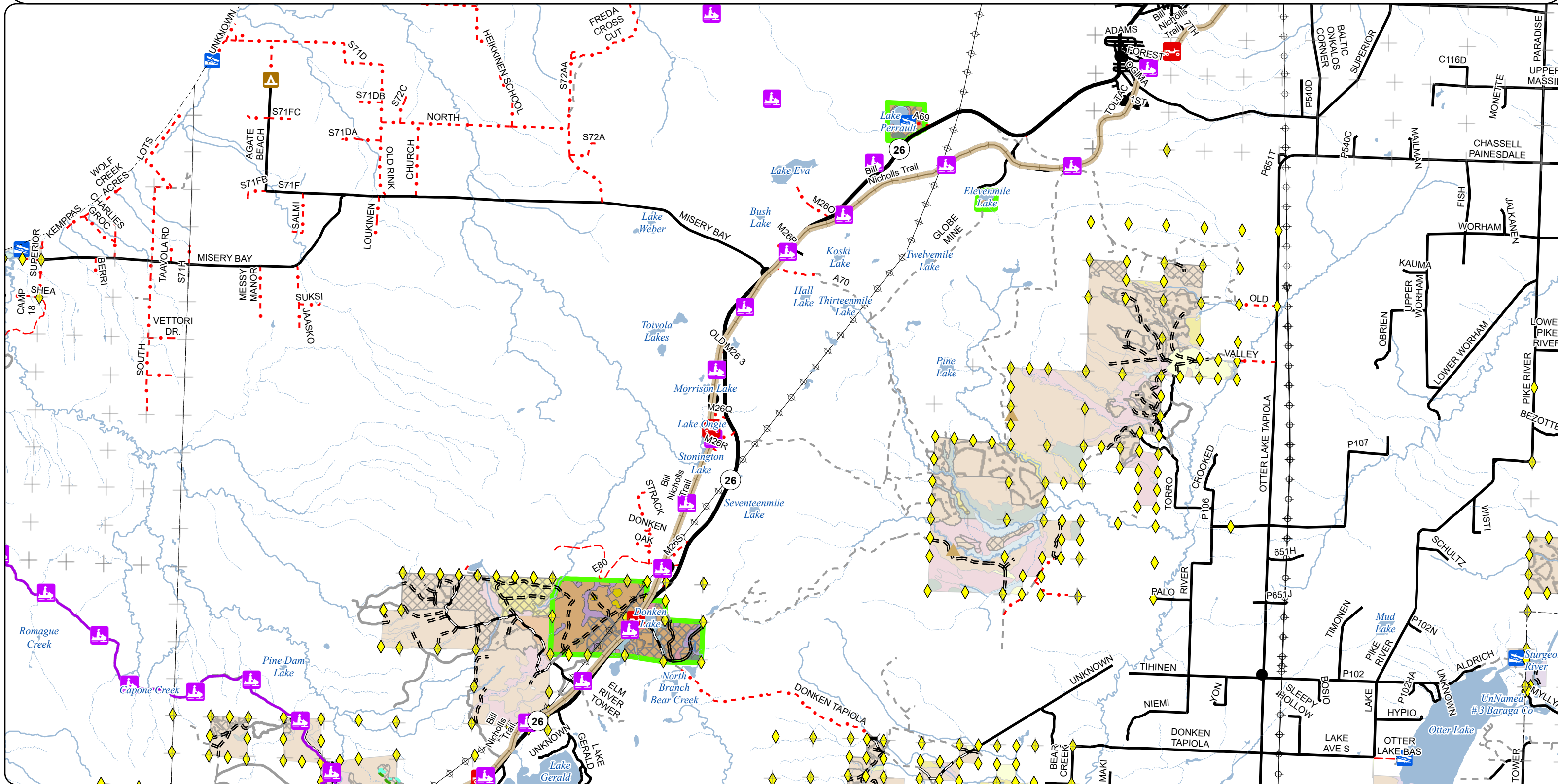
- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Boating Access Site
- Bridges
- Culvert
- Campground

- 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
- Lakes and Rivers
- Counties
- Powerline

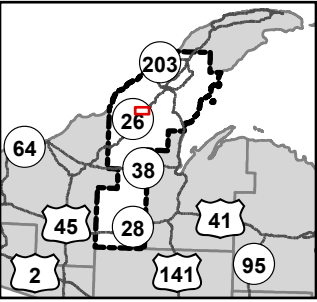
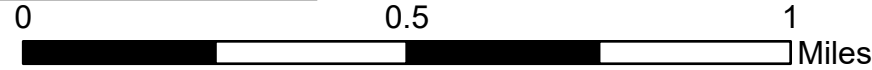
- Compartment Boundary
- Clearcut
- Selection
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest

- 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

Lakes and Rivers

Counties

Powerline

Compartment Boundary



Selection



411 - Northern Hardwood



423 - Other Upland Conifers



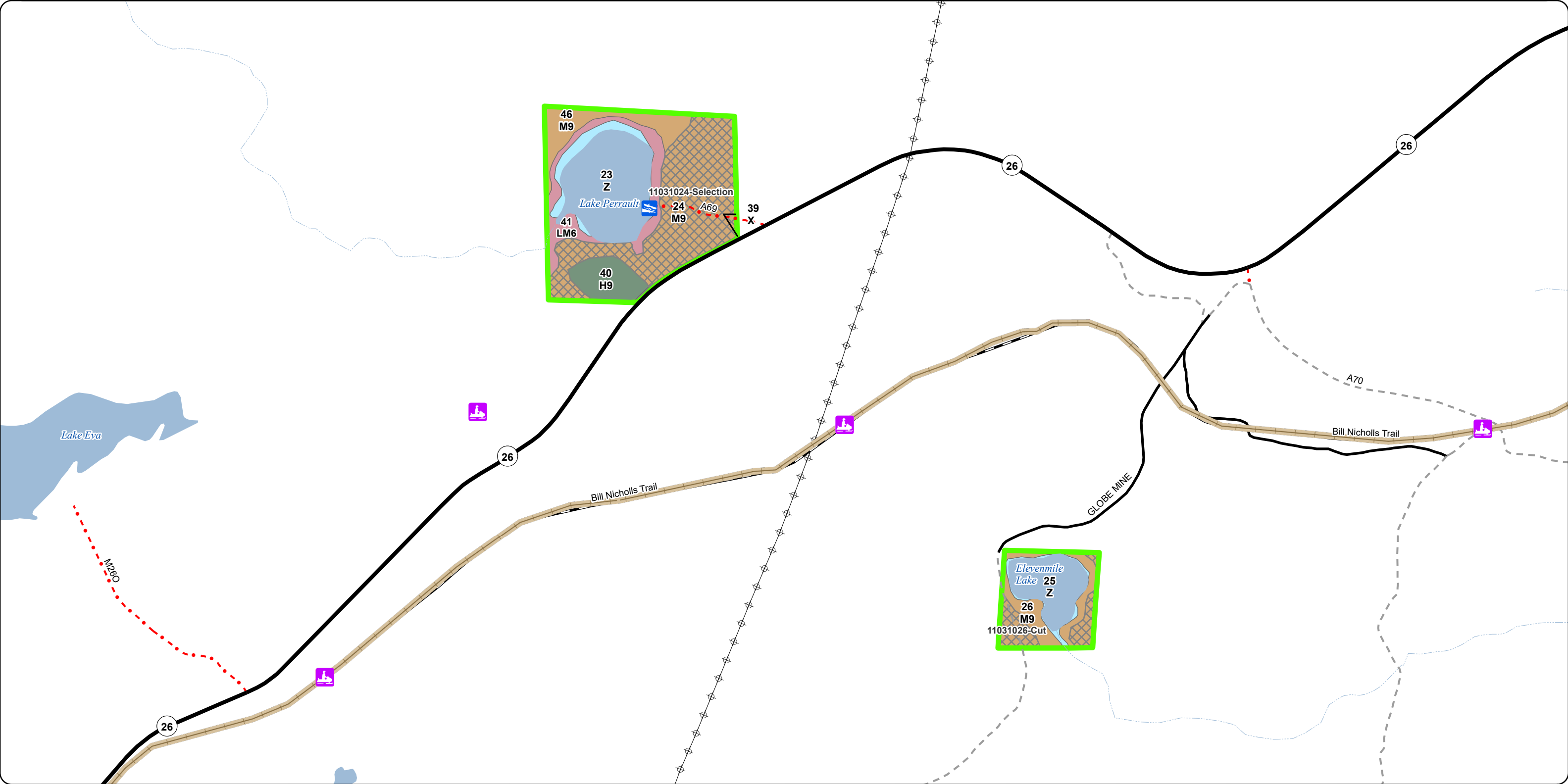
500 - Water



613 - Lowland Mixed Forest



122 - Road/Parking Lot



Cover Type & Treatments Map

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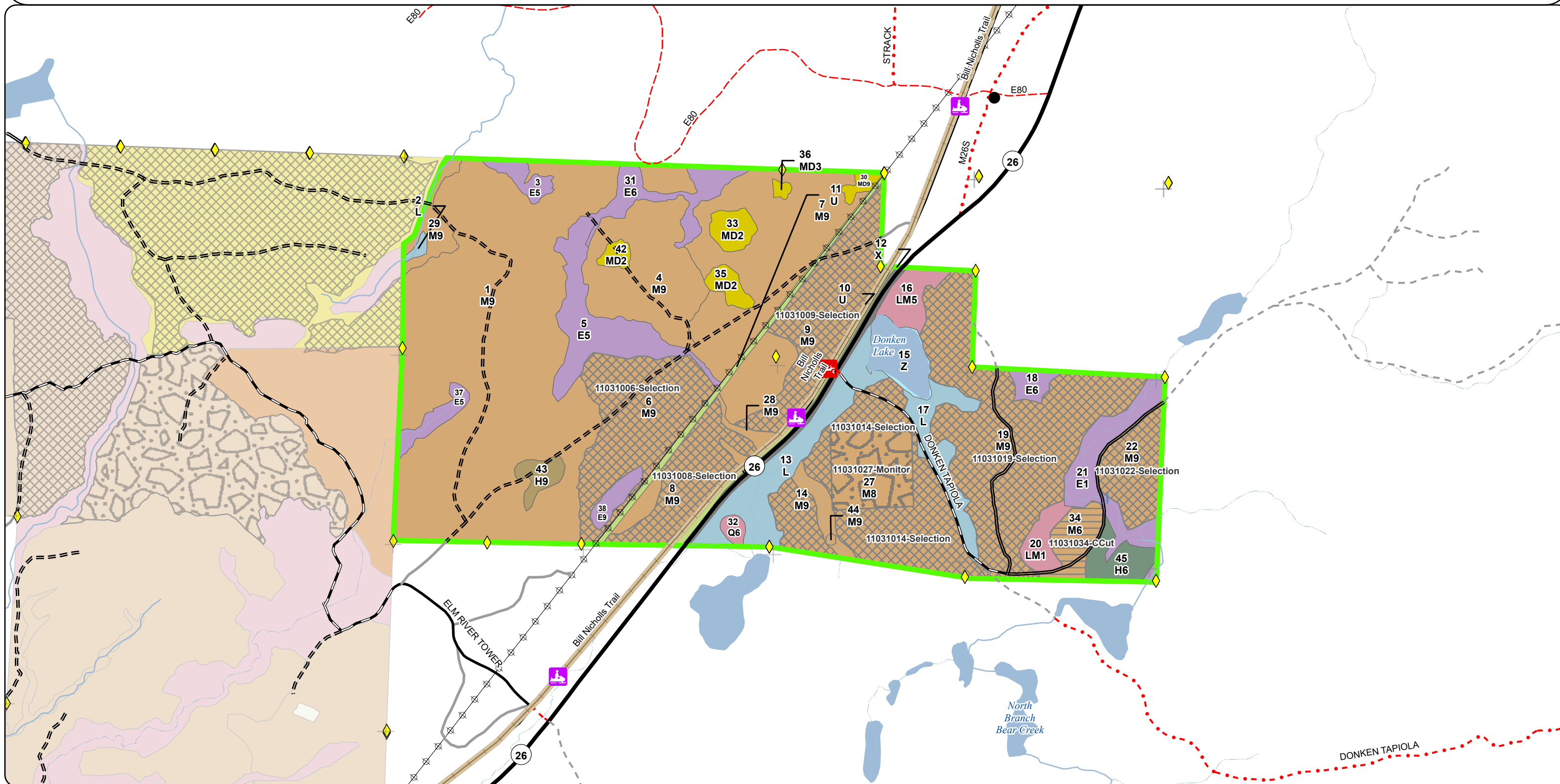
0 0.5 1 Miles

- Remonumented Section Corners
- Survey Grade Corners
- Culvert
- City
- Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- Federal / State Highway
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Stand Boundary Map

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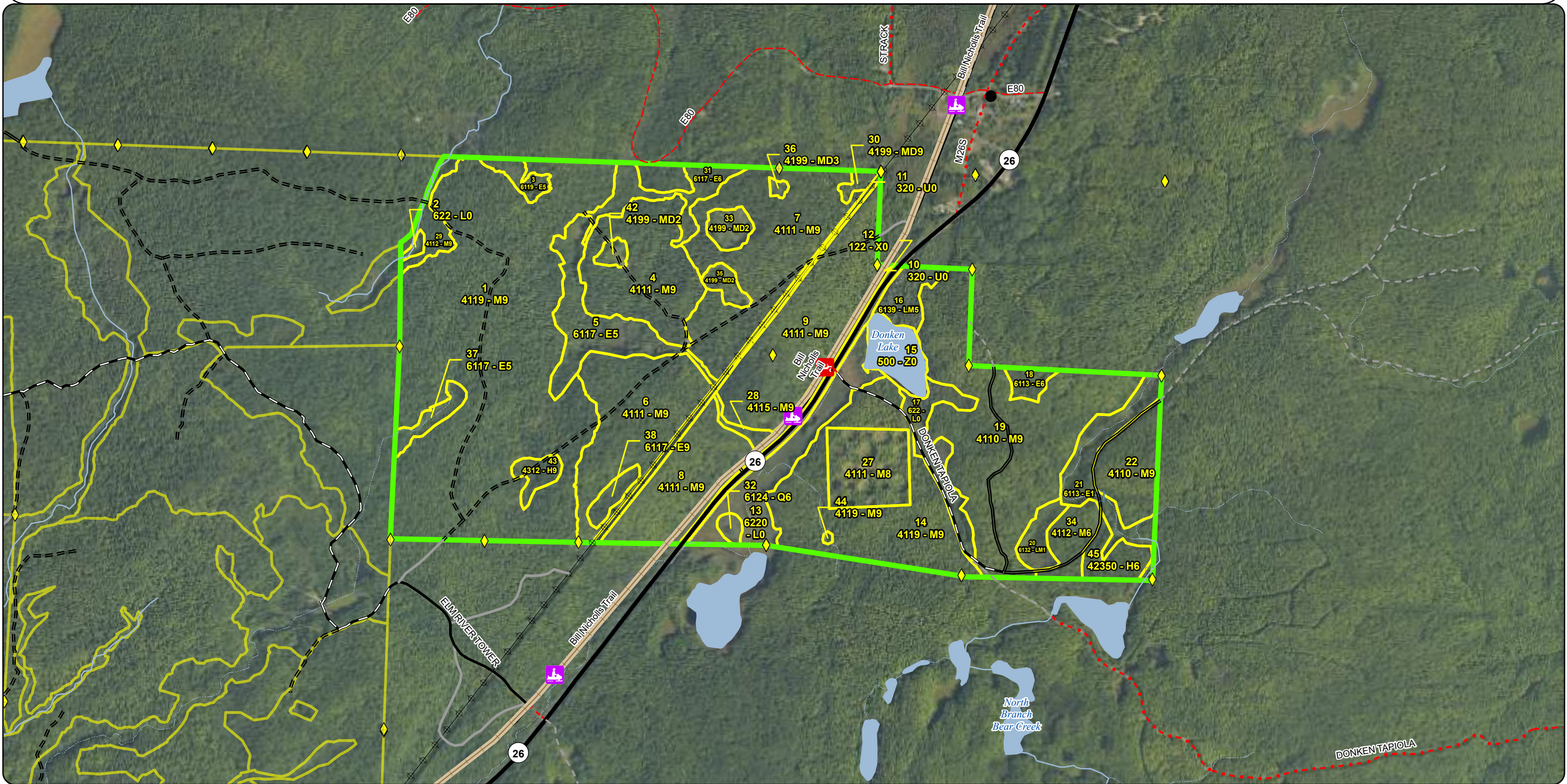
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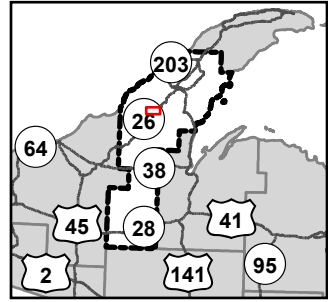
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Intermittent Stream



Lakes and Rivers



Counties



Powerline



Compartment Boundary

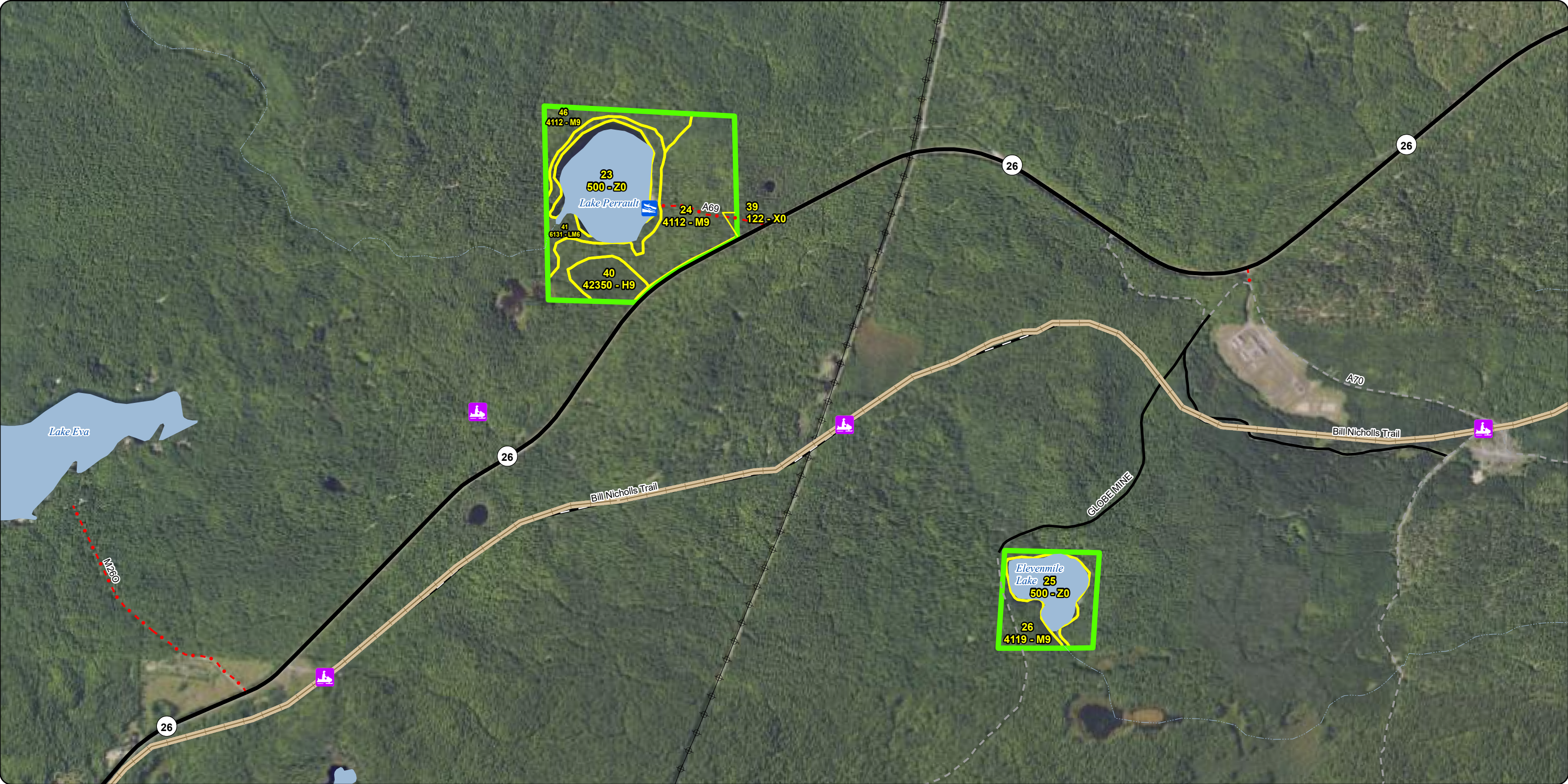
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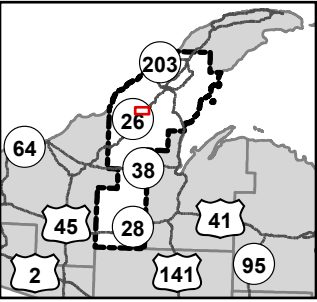
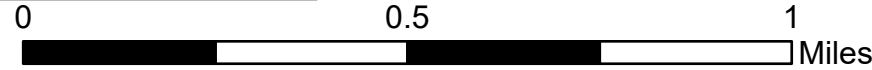
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122 - Road/Parking Lot

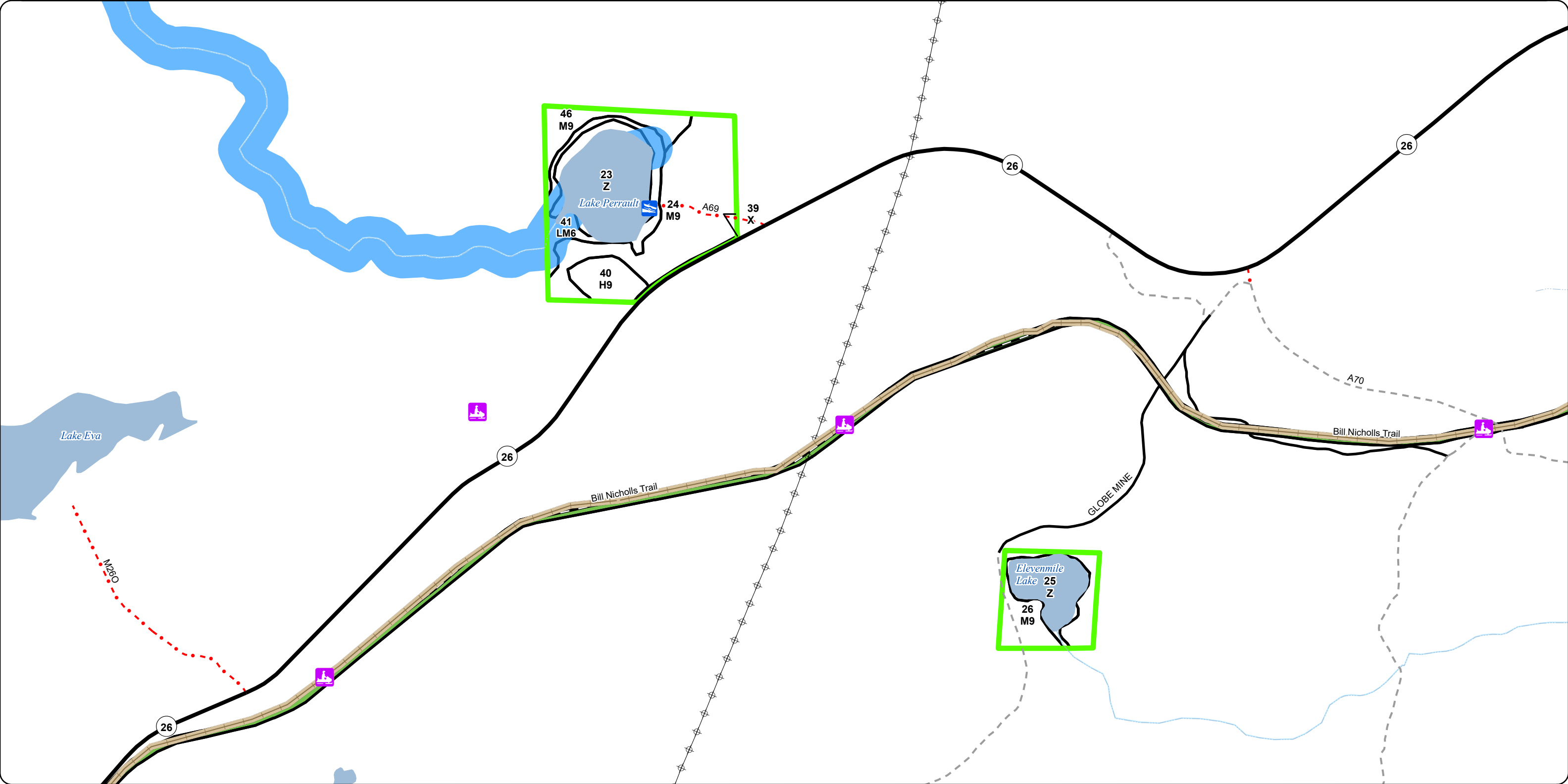


**Special Conservation Areas
& Site Conditions Map**

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








A horizontal scale bar with a black outline. The left half is filled with solid black, and the right half is white. The number '1' is centered above the bar, and the word 'Miles' is at the right end.

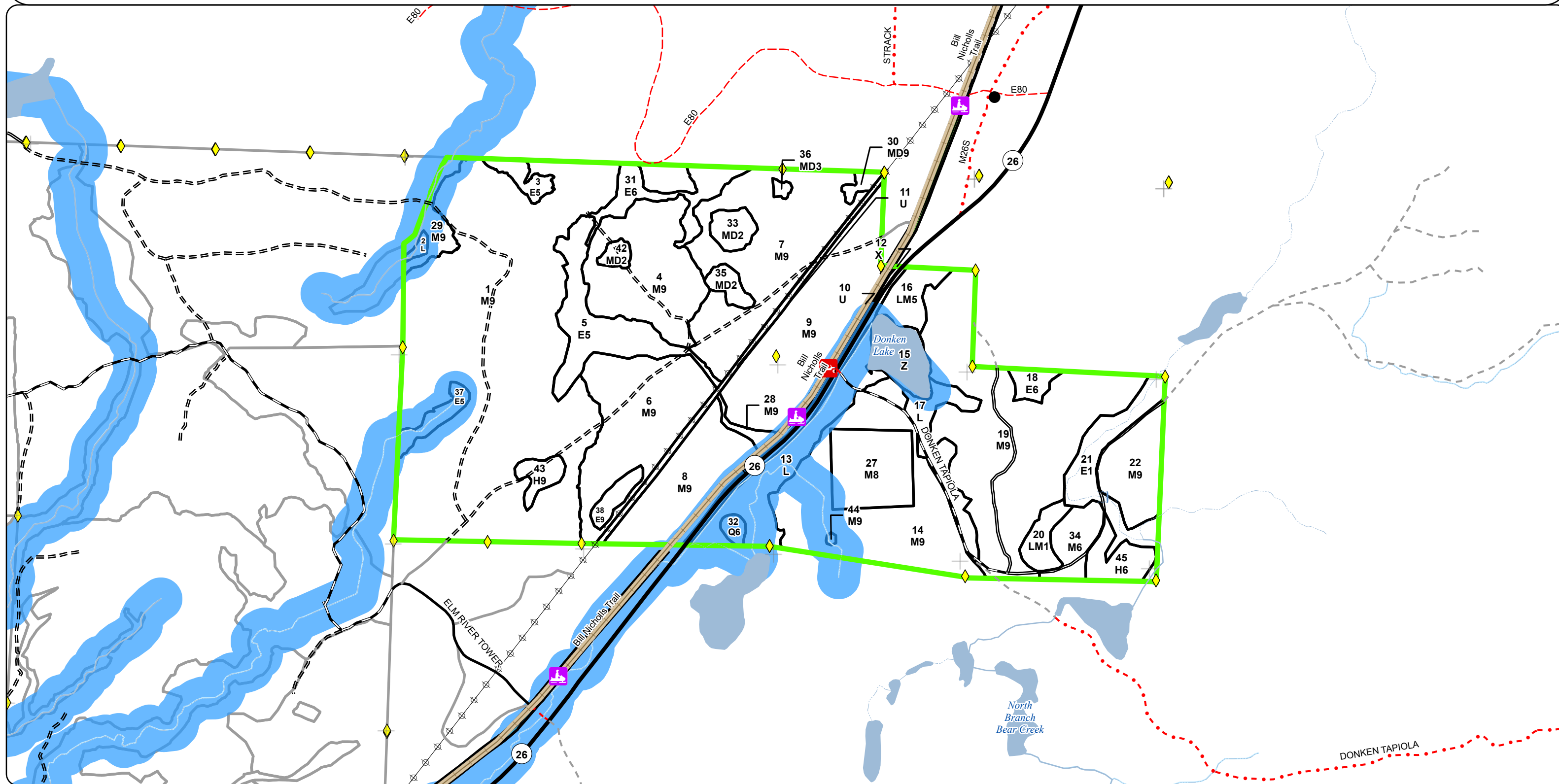


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Report 1 – Total Acres by Cover Type and Age Class



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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Proposed Treatments:

34	11031034-CCut	13.1	4112 - Maple, Beech, Cherry Association	6	70	111-140	Harvest	Clearecut	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											
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 Road. Needs corner request for monumentation (submitted 2/5/25) <u>Comment:</u> <u>Site Condition:</u> Survey Needed <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											



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
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 <u>Specs:</u> released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker". <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 <u>Specs:</u> released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker". <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											
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 <u>Specs:</u> released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker". <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	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 <u>Specs:</u> released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker". <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 <u>Comment:</u> layout is completed. Bill Nicolls trail runs along east side of sale. <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
9	11031008-Selection	32.8	4111 - S.Maple, Hard Mast Association	9	109	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription Specs:</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>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.											
<u>Other Comment:</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>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
9	11031006-Selection	60.0	4111 - S.Maple, Hard Mast Association	9	109	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription Specs:</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>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.											
<u>Other Comment:</u> Retention: 3-10% BA will be the retention for this stand.											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											

Approved Treatments:

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 Specs:</u> MWR Project MSU crew will monitor site per study specs.											
<u>Next Step Treatments:</u>											
<u>Acceptable Regen:</u> Northern hardwoods											
<u>Other Comment:</u> Percent to Treat = 100%											
<u>Site Condition:</u> Research Study											
<u>Proposed Start Date:</u> 10/01/2025											

Total Treatment 0
Acreage Proposed:



Availability for Management

Total Acres Acres Available Acres With Condition 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				





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		Red Oak	Low	10 - 20 feet	10 - 20 feet
Basswood		5		14		White Spruce	Low	10 - 20 feet	10 - 20 feet
White Ash		5		14		Hemlock	Low	>20 feet	>20 feet
Sugar Maple		63		14	109	Sugar Maple	High	10 - 20 feet	10 - 20 feet
Red Maple		5		12	50	Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Oak		15		16		Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Hemlock		2		14		Ironwood	Low	10 - 20 feet	10 - 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
Red Oak		20		14		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		64		12	109	Red Maple	Low	5 - 10 feet	5 - 10 feet
Red Maple		5		10		Yellow Birch	Low	10 - 20 feet	10 - 20 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
Yellow Birch		5		10		White Ash	Low	10 - 20 feet	10 - 20 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
Red Oak		15		16		Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Sugar Maple		65		14	109	Ironwood	Low	10 - 20 feet	10 - 20 feet
Red Maple		10		12		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
Yellow Birch		2		14		White Spruce	Low	10 - 20 feet	10 - 20 feet
						Hemlock	Low	>20 feet	>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
Basswood		3		12		Red Oak	Low	5 - 10 feet	5 - 10 feet
White Ash		2		12		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Red Oak		10		16		Red Maple	Low	10 - 20 feet	10 - 20 feet
Hemlock		3		14		Yellow Birch	Low	5 - 10 feet	5 - 10 feet
Sugar Maple		70		14	109	Ironwood	Low	10 - 20 feet	10 - 20 feet
Red Maple		10		12					
Yellow Birch		2		12					
10	320 - Upland Shrub	Unspecified	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	Unspecified	10.5			No	Double Pole Power line			
12	122 - Road/Parking Lot	Unspecified	11.7			No	M-26 ROW			
13	6220 - Alder/Willow	Unspecified	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
Basswood		4		12		Hemlock		Low	>20 feet	>20 feet
White Ash		2		12		White Pine		Low	10 - 20 feet	10 - 20 feet
Yellow Birch		3		12		Balsam Fir		Low	10 - 20 feet	10 - 20 feet
Sugar Maple		69		12	109	Ironwood		Low	10 - 20 feet	10 - 20 feet
Red Maple		10		12		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Red Oak		5		14		Red Maple		Low	10 - 20 feet	10 - 20 feet
White Spruce		3		14						
Hemlock		2		16						
White Pine		2		16						
15	500 - Water	Unspecified	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
White Spruce		10	Sapling	5						
Northern White Cedar		10	Sapling	5						
Balsam Fir		20	Sapling	5						
Tamarack		10	Sapling	5						
Red Maple		30	Sapling	5	50					
17	622 - Lowland Shrub	Unspecified	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	
Black Spruce		10	Seedling	8		Red Maple	Low	10 - 20 feet	10 - 20 feet	
Northern White Cedar		5		8		Balsam Fir	Low	10 - 20 feet	10 - 20 feet	
Red Maple		75	Seedling	8	60	Michigan Holly	Low	5 - 10 feet	5 - 10 feet	
Yellow Birch		5	Sapling	6						
Quaking Aspen		5		10						









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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																										
41	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	17.9	109	111-140	N/A	2/4/25 - Inventory completed																																																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tamarack</td><td>5</td><td></td><td>10</td><td></td><td>Hemlock</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Yellow Birch</td><td>15</td><td>Seedling</td><td>8</td><td></td><td>Yellow Birch</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Sugar Maple</td><td>10</td><td>Seedling</td><td>8</td><td></td><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>20</td><td>Seedling</td><td>8</td><td>50</td><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Spruce</td><td>10</td><td></td><td>12</td><td></td><td>Balsam Fir</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Northern White Cedar</td><td>5</td><td></td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>25</td><td></td><td>14</td><td>109</td><td></td><td></td><td></td><td></td></tr><tr><td>Basswood</td><td>5</td><td>Seedling</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Black Ash</td><td>5</td><td></td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	5		10		Hemlock	Medium	10 - 20 feet	10 - 20 feet	Yellow Birch	15	Seedling	8		Yellow Birch	Medium	10 - 20 feet	10 - 20 feet	Sugar Maple	10	Seedling	8		Sugar Maple	Low	10 - 20 feet	10 - 20 feet	Red Maple	20	Seedling	8	50	Red Maple	Medium	10 - 20 feet	10 - 20 feet	White Spruce	10		12		Balsam Fir	Low	10 - 20 feet	10 - 20 feet	Northern White Cedar	5		10						Hemlock	25		14	109					Basswood	5	Seedling	8						Black Ash	5		10					
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Black Ash	5		10																																																																																														
42	4199 - Other Mixed Upland Deciduous	Sawtimber Well	3.0	4	1-50	N/A	Cut as part of Oak Patch 11-009-17-01. Finished in the winter of 2019/20.1/28/25 - Inventory completed. Deep snow, hard to see the regen as its only 4 years of growth. Should be more accurate numbers in 10 years.																																																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Yellow Birch</td><td>2</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Oak</td><td>2</td><td></td><td>16</td><td>109</td></tr><tr><td>Red Oak</td><td>40</td><td>Log</td><td>1</td><td>109</td></tr><tr><td>Sugar Maple</td><td>14</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>40</td><td>Log</td><td>1</td><td>4</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	2	Pole	4		Yellow Birch	2	Log	1		Red Oak	2		16	109	Red Oak	40	Log	1	109	Sugar Maple	14	Log	1	4	Red Maple	40	Log	1	4																																																							
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Sugar Maple	14	Log	1	4																																																																																													
Red Maple	40	Log	1	4																																																																																													
43	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	6.2	109	81-110	N/A	Selection harvest by Accaiccia Forest Products from 2018-20. Sel. Cut completed Feb., 2001 by Northern hardwoods/Rossi.1/2//25 - Inventory completed - stand split out from stand 1																																																																																										
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44	4119 - Mixed Northern Hardwoods	Sawtimber Well	0.4	109	81-110	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.																																																																																										
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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 covertime.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		2	Seedling	8		Balsam Fir		High	10 - 20 feet	10 - 20 feet
Red Maple		20	Seedling	9	70	Northern White Cedar		Low	10 - 20 feet	10 - 20 feet
Yellow Birch		3	Seedling	9		Hemlock		Low	10 - 20 feet	10 - 20 feet
Black Ash		5	Sapling	6						
White Spruce		3		8						
Hemlock		55		16	70					
White Pine		2		18						
Black Cherry		10	Seedling	9						
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 terrain and access delay treatment site condition put on it.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Yellow Birch		5		10		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Basswood		5		12		Red Maple		Low	10 - 20 feet	10 - 20 feet
White Ash		1		10		Ironwood		Low	10 - 20 feet	10 - 20 feet
Sugar Maple		70		14	109					
Red Maple		10		12	50					
Red Oak		4		14						
Hemlock		3		14						
White Pine		2		16						