



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11012

Entry Year: 2027

Acreage: 2,869

County: Baraga

Management Area: Keweenaw Bay

Stand Examiner: Fred Hansen

Legal Description:

T49N R34W, Sections 19, 20, 29, 30, 31, 32T48N R34W, Section 5, 6, 7

Identified Planning Goals:

Manage for jack pine.

Soil and topography:

The land is level to slightly rolling. The soil is Grayling sand.

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

This is part of a large block of state owned land. USFS owns to the west. DNR is on the north and east. W. E. Energies owns to the south. There is one private parcel on the east side of the compartment. Land use is for timber production. There are some private recreational properties to the east around Big Lake.

Unique Natural Features:

The Sturgeon River flows along the south of the compartment. Tibbits Falls is along this stretch of river. Kirtland's warbler, Frigga fritillary, Freija fritillary and Wood turtle have been documented in the compartment. Pine barrens along western edge of section 31 and in southwestern corner and to se. Pine barrens also just west of section 30. Compartment falls within the Baraga Plains Complex PLU.

Archeological, Historical, and Cultural Features:

There is a shelter along the North Country Trail on the south edge of the compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains the Sturgeon River. No specific comments other than follow BMP's.

Wildlife Habitat Considerations:

Spruce grouse are found in this compartment. Kirtland warblers have been also been sighted in this compartment. This compartment features habitat for Kirtland's warbler nesting and spruce grouse. Jack pine final harvest and post-harvest treatment should strive to regenerate fully stocked stands. Prefer anchor chaining, instead of trenching followed by seeding or machine planting, because it produces greater variation in tree density and some "skips" in regeneration that become small openings within the stands.

Mineral Resource and Development Concerns and/or Restrictions

The State-owned Baraga Plains sand & gravel pit (Pit #612) is in Sec 31. The pit is not currently leased, but it has been leased in the recent past, with reported production of ~2,000 tons of aggregate on an annual basis on average. There may be some potential for sand & gravel within the compartment on uplands. Potential for metallic and critical minerals in this area is not well known. The Michigamme Formation, which underlies much of the compartment, has been broadly identified as having potential for both, and there are intrusive dikes that cross the area in the subsurface and have some potential to host metallic minerals. However, there has been limited documented mineral exploration or detailed mapping in this vicinity. Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation sub crops below the glacial drift. No active State metallic mineral leases or lease nominations occur in the area. There is no potential for economic oil and gas production in the UP. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights. Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Michigamme Formation sub crops below the glacial drift.

Vehicle Access:

Access is good. The Plains road (county road) is on the east side of the compartment. The Gorge Cutoff Road (county road) crosses the compartment. There are some internal logging roads.

Survey Needs:

No survey needed.

Recreational Facilities and Opportunities:

Snowmobile trail 8 uses the pipeline R-O-W. The Baraga Plains ORV trail is partially within this compartment and the trail head is on the Gorge Cutoff Road.

Fire Protection:

This is a jack pine area, and fire is a concern. The Baraga Bump wildfire burnt through this compartment from the north west. The summer cottages around Big Lake (compartment to the east) are a potential fire source.

Additional Compartment Information:

The following reports from the Inventory are attached:

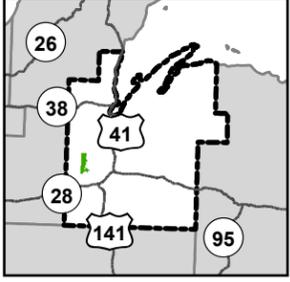
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

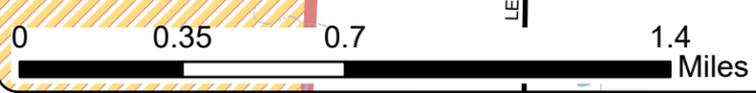
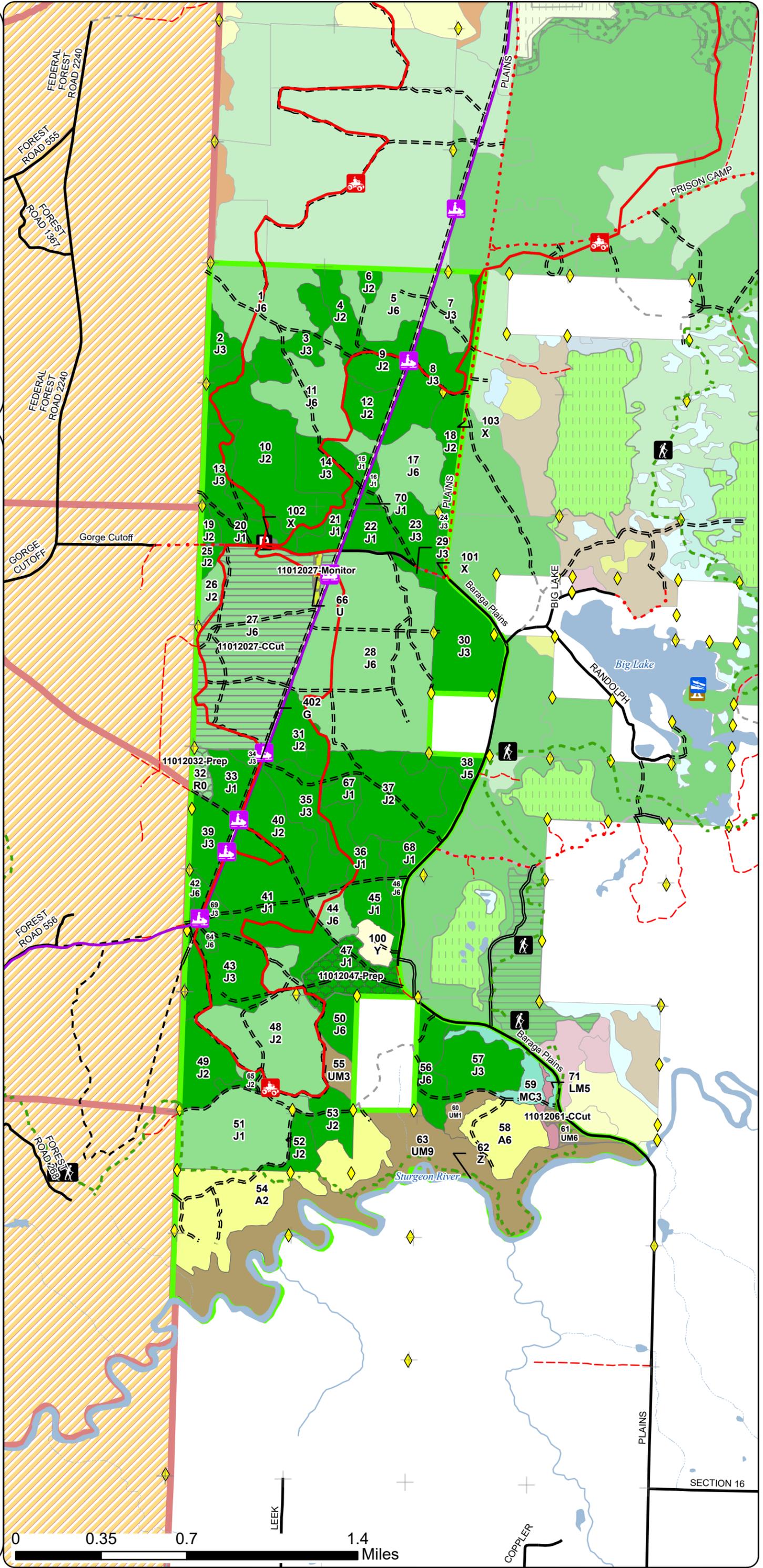
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11012
 T49N R34W, Sections 19, 20, 29, 30, 31, 32
 County: Baraga
 Unit: Baraga
 Mgmt. Area: Keweenaw Bay
 YOE: 2027
 Acres: 2,868.58 GIS Calculated
 Examiner: Fred Hansen
 Date Exported: 04/28/2025
 Map Phase: Web Post



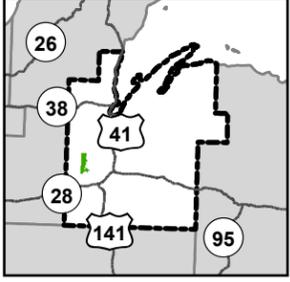
- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- 🚤 Boating Access Site
- 🏕️ Campground
- 🅑 Parking Lot
- ⋯ Designated Hiking Pathways
- Designated Snowmobile Trails
- Designated ATV Trails
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- · - · County - Gravel Road
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- Perennial River
- 🌊 Lakes and Rivers
- - - Counties
- Compartment Boundary
- ▭ Clearcut
- ▭ Site Prep
- ▭ Monitoring - Regeneration
- ▭ Clearcut
- ▭ Openings Mgmt.
- ▭ Monitoring - Regeneration
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 710 - Sand, Soil



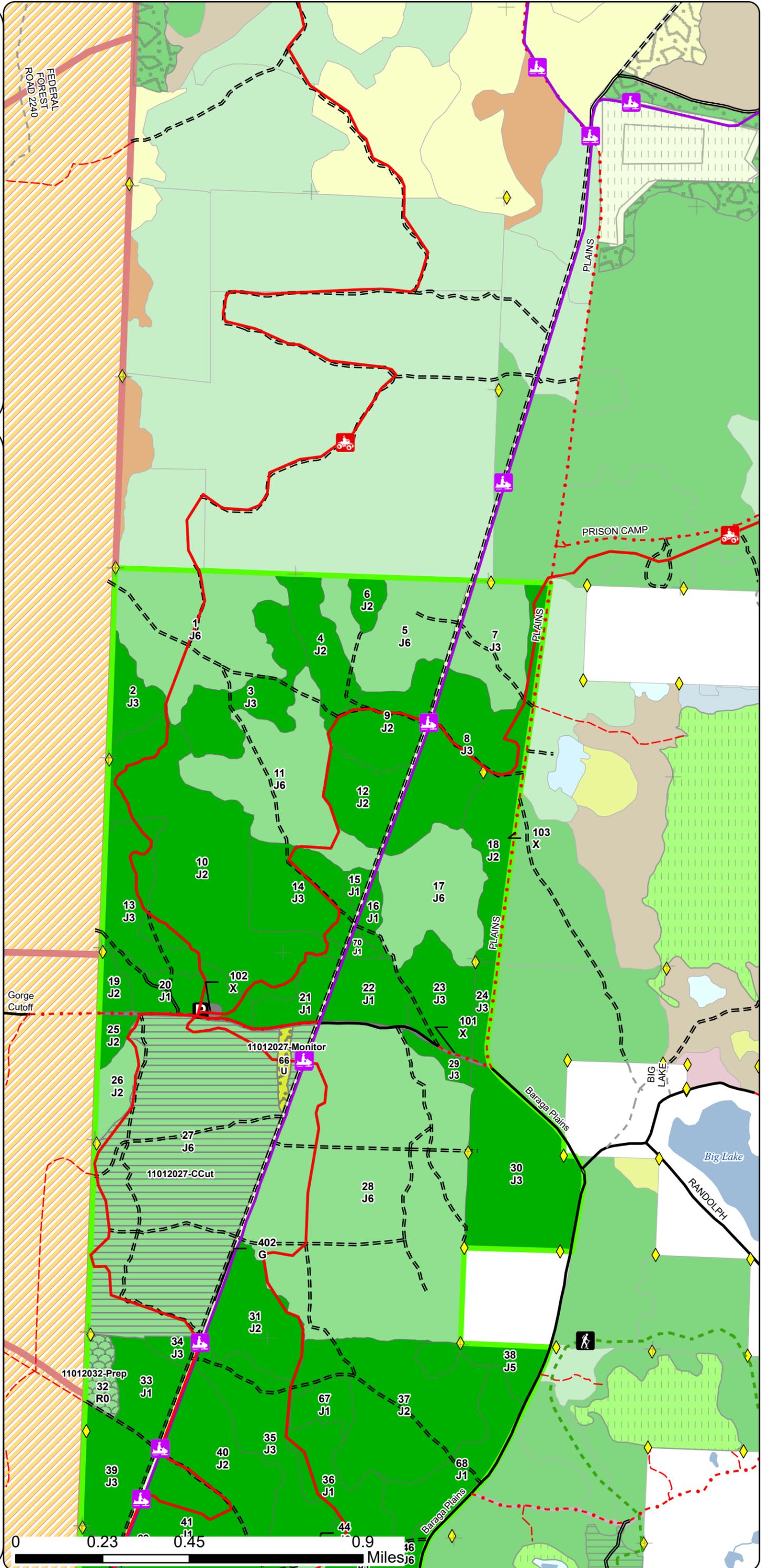
SECTION 16

Cover Type & Treatments Map

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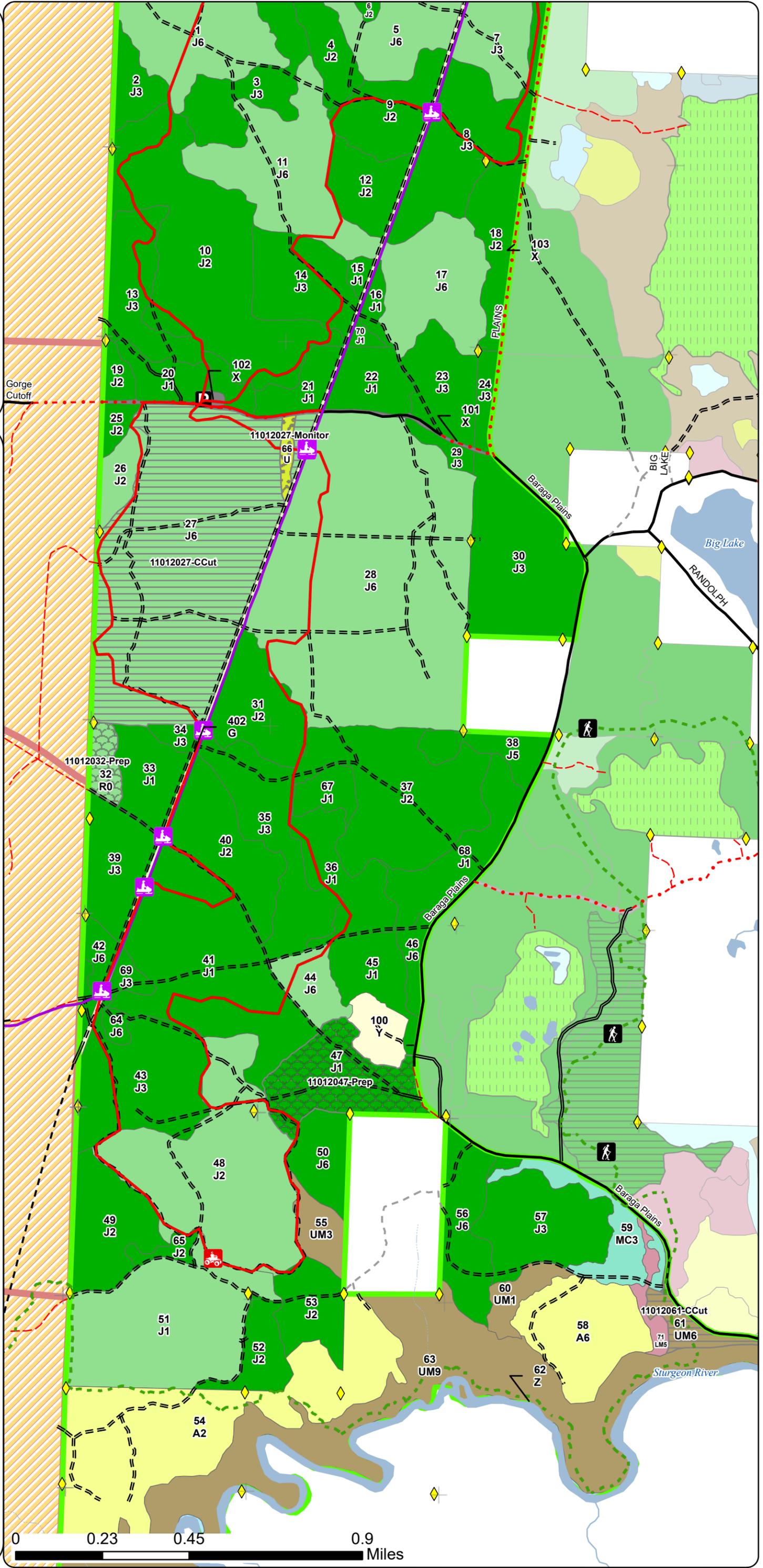
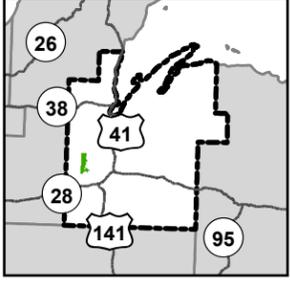


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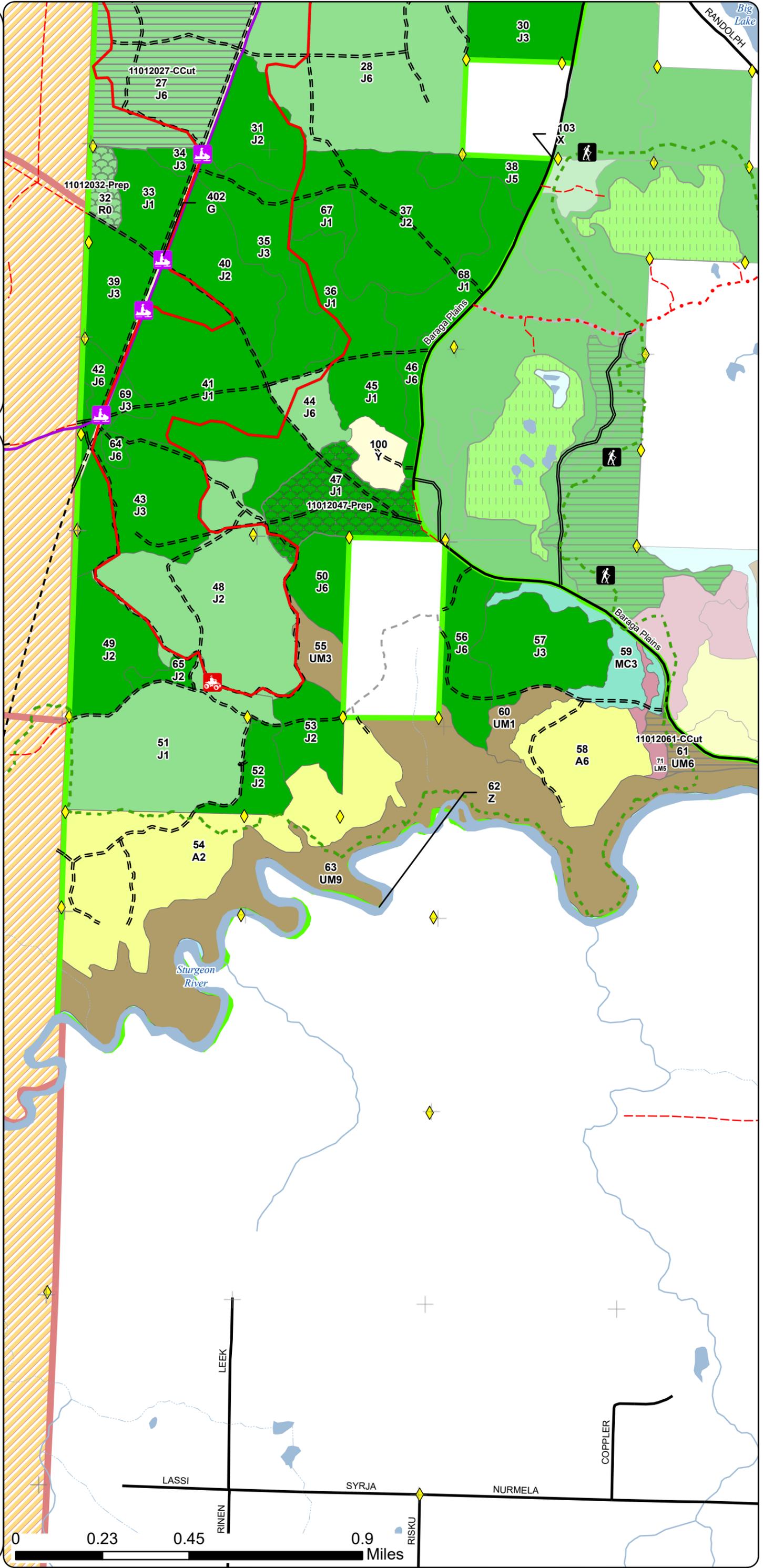
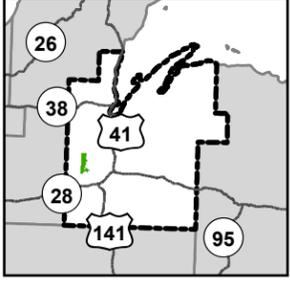


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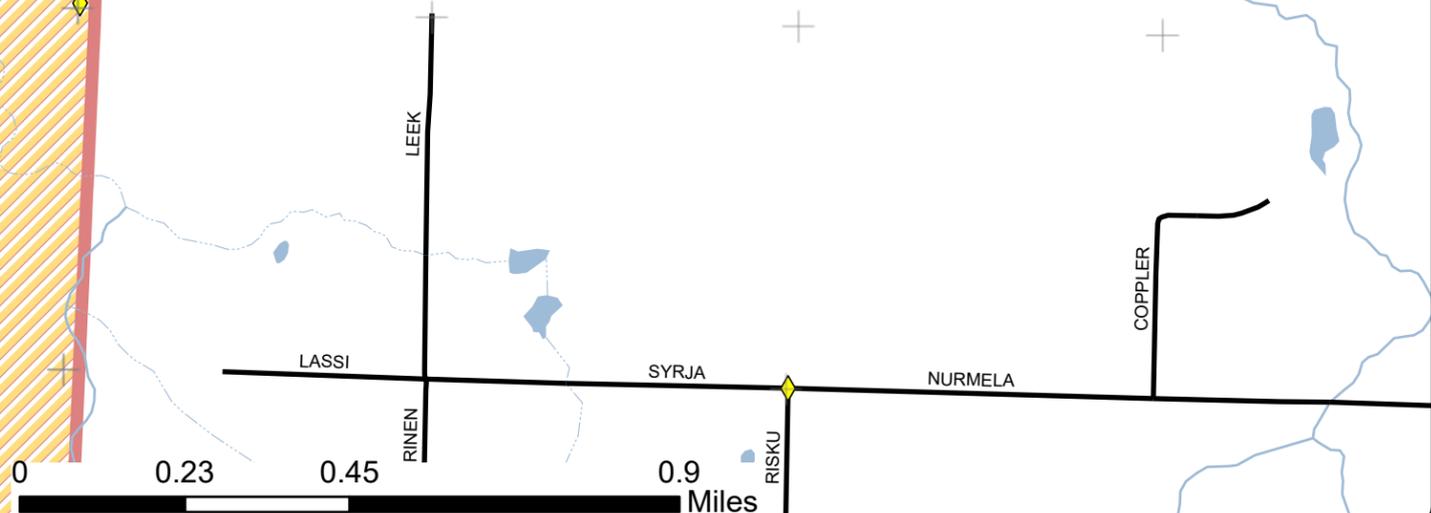


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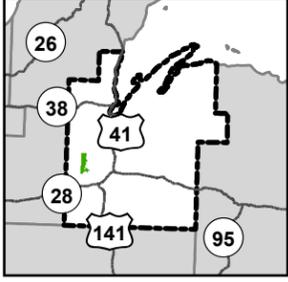


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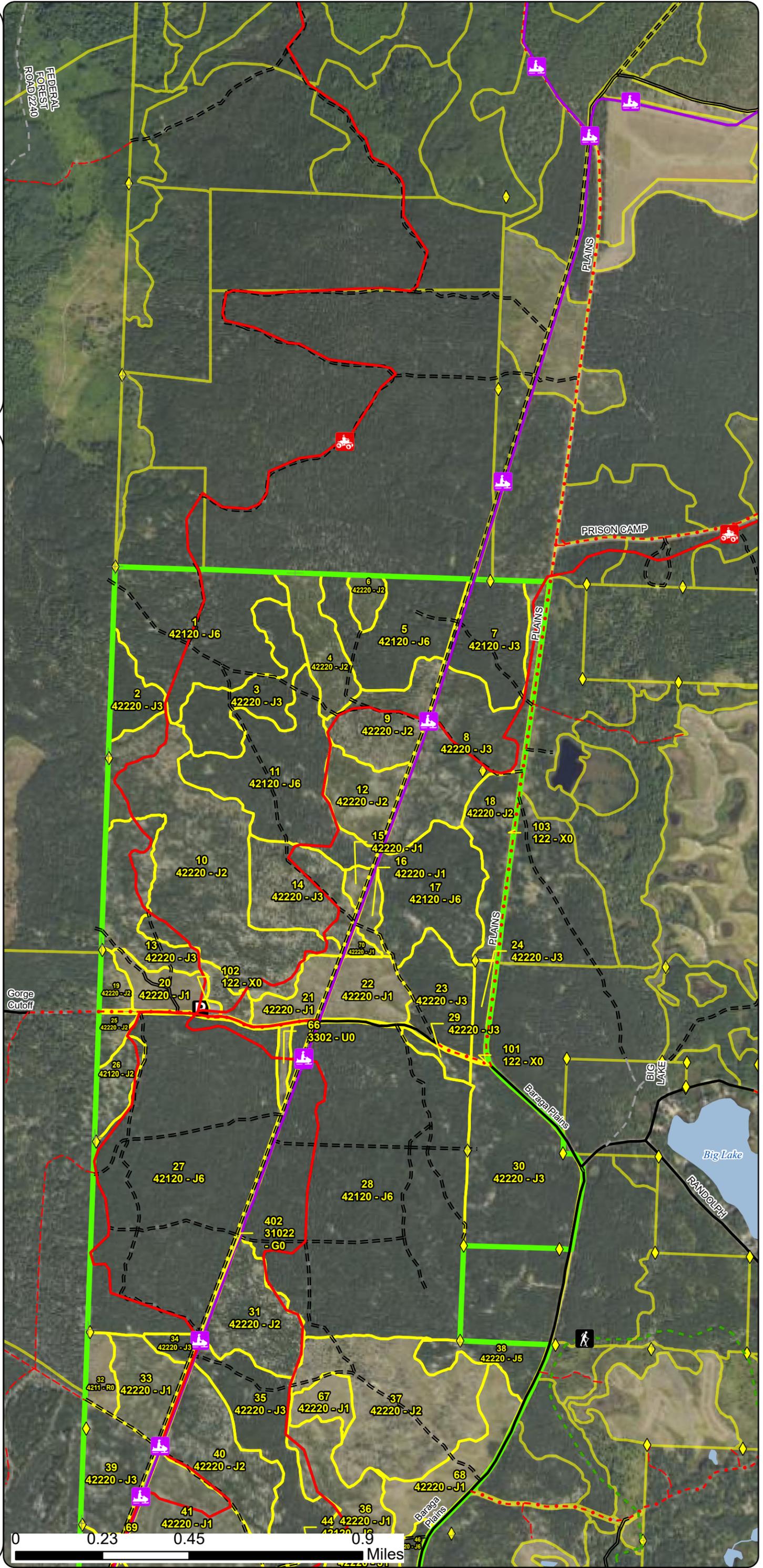


Stand Boundary Map

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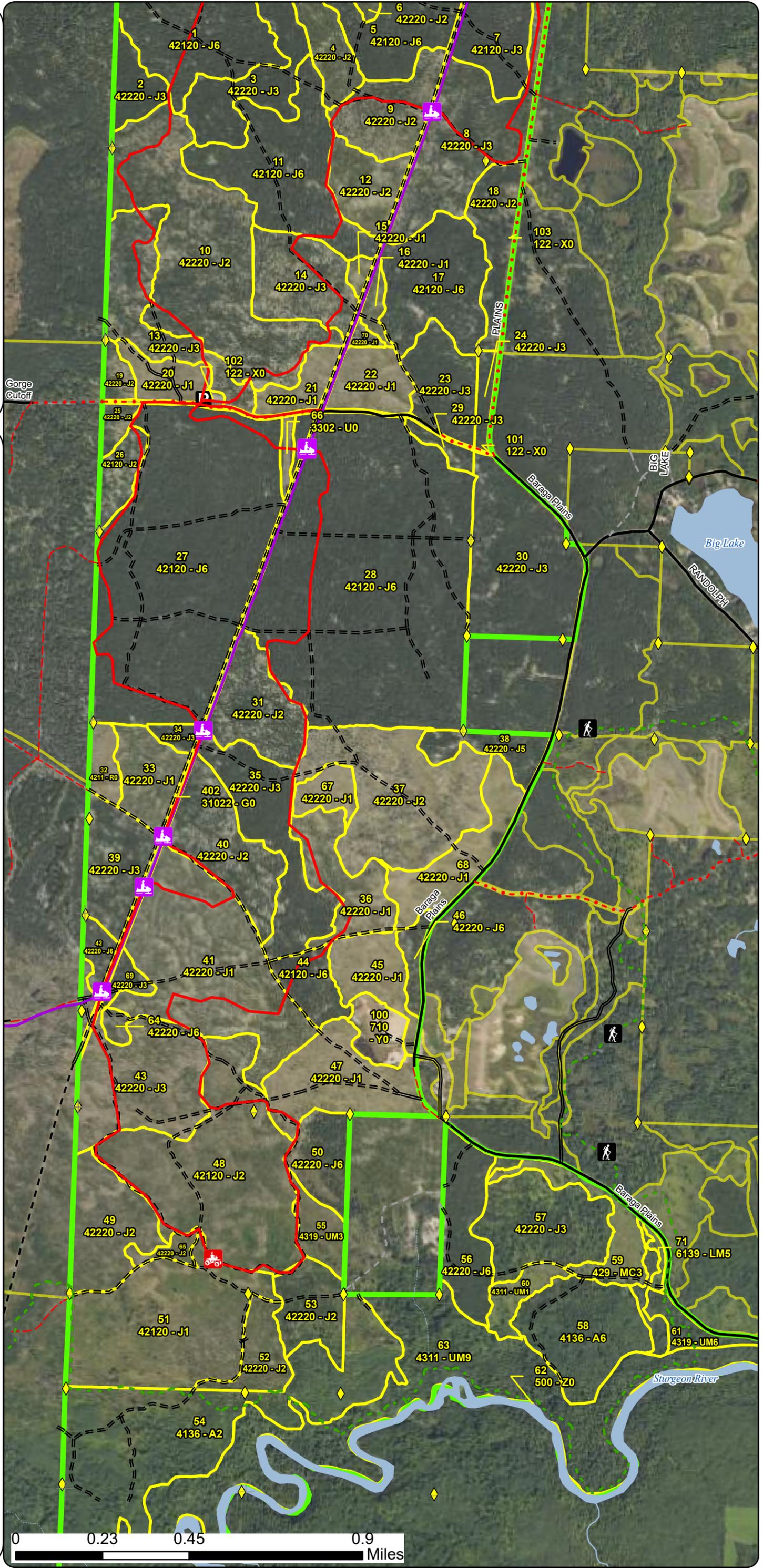
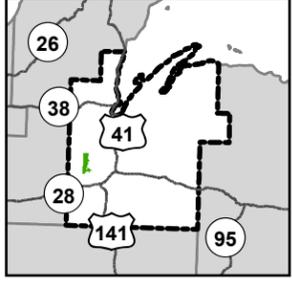


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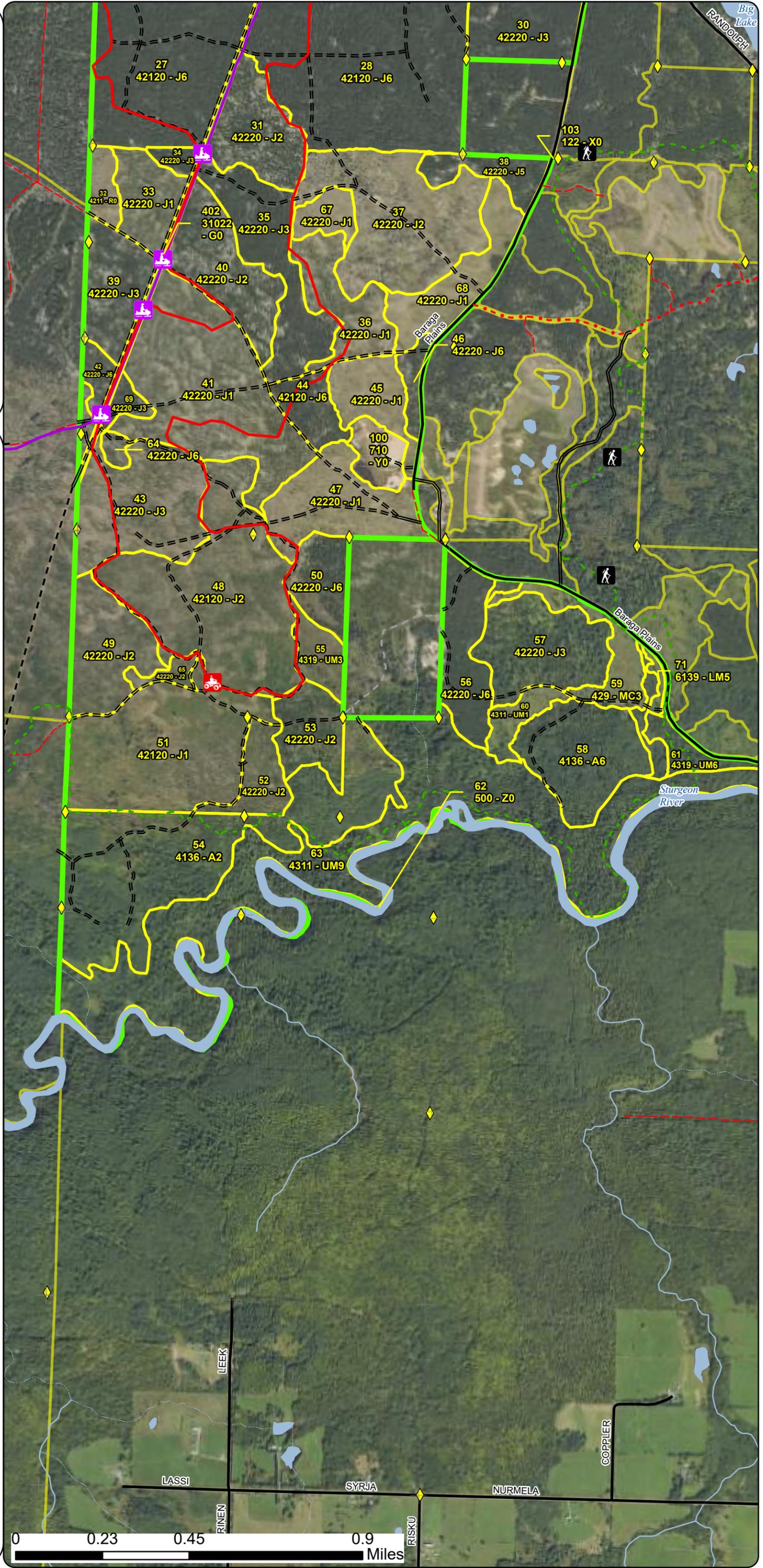
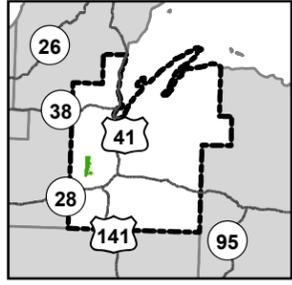


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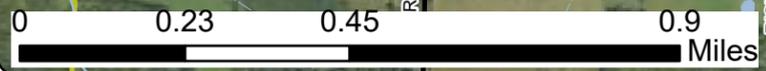


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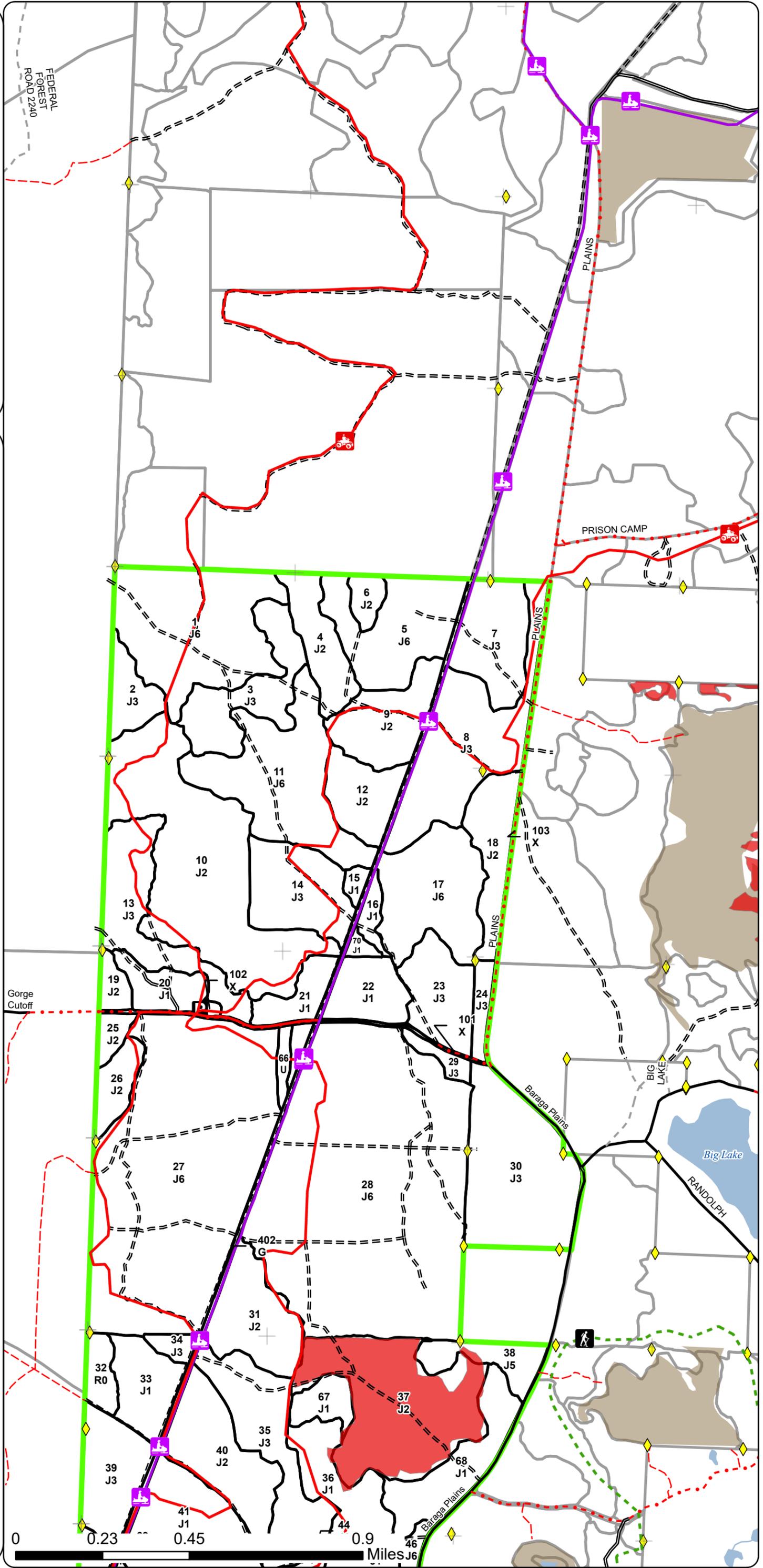
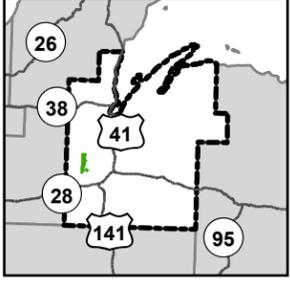


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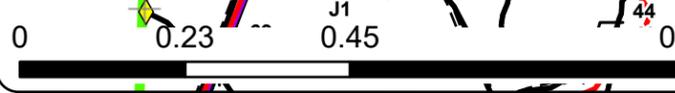


Special Conservation Areas & Site Conditions Map

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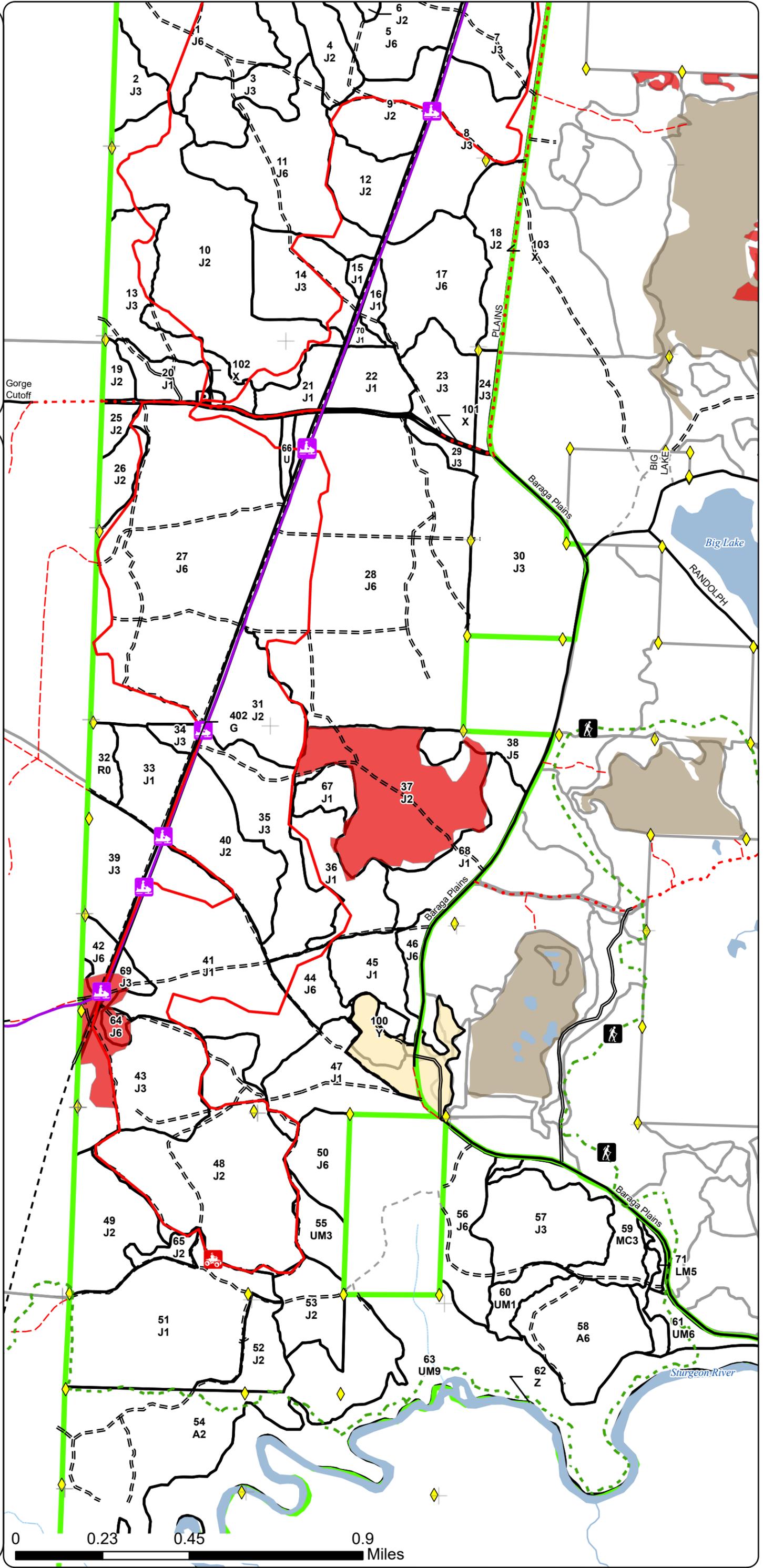
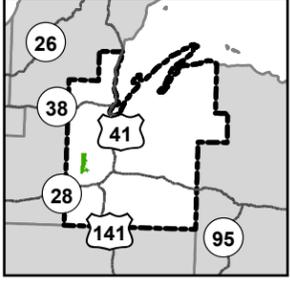


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- Ecological Reference Areas
- Dedicated Management Areas



Special Conservation Areas & Site Conditions Map

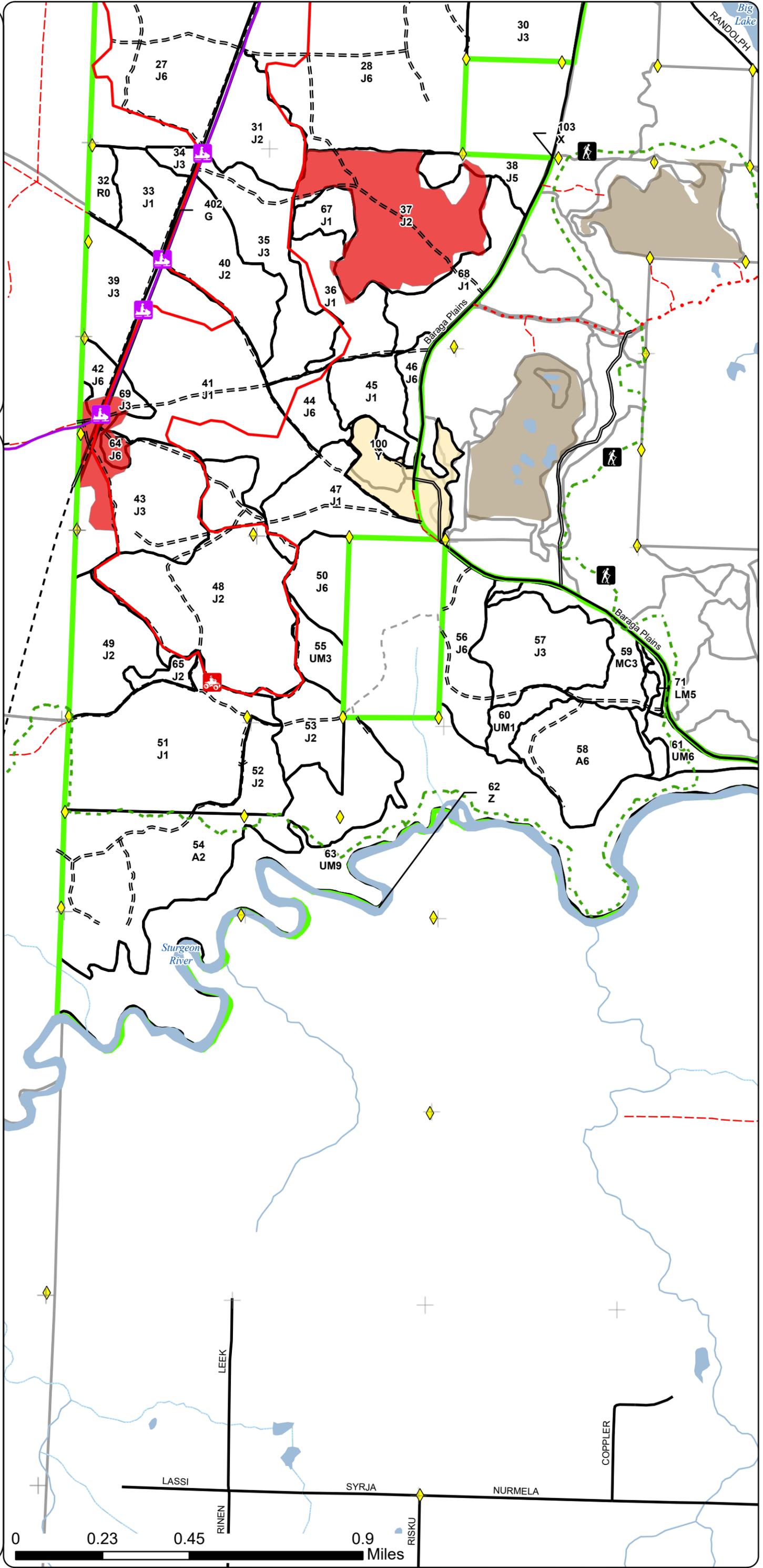
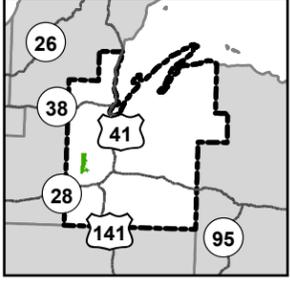
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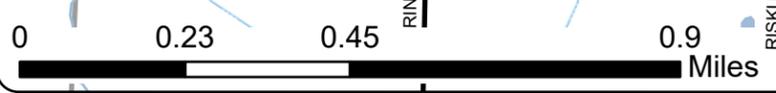
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- Cold Water Streams
- Sand or Gravel Pit

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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	131	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	179
Herbaceous Openland	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Jack Pine	0	282	522	426	662	445	0	0	4	0	0	0	0	0	0	0	0	0	2339
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Mixed Forest	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Red Pine	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Sand, Soil	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Upland Conifers	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Mixed Forest	0	11	14	0	0	0	0	11	0	200	0	0	0	0	0	0	0	0	236
Urban	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	84	317	667	426	710	445	0	18	4	200	0	2868							



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2027

Compartment 12
Total Compartment Acres: 2,869

Acres of Harvest

Commercial Harvest - 212
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
Jack Pine	201	0	0	0	0	0	0	0	0	201
Upland Mixed Forest	11	0	0	0	0	0	0	0	0	11
Total	212	0	0	0	0	0	0	0	0	212

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgr.	Total Acres
Current	212	0	0	0	0	4	0	0	0	270
Next Step	0	0	54	0	0	109	0	0	0	163
Total	212	0	54	0	0	113	0	0	0	433



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:

61	11012061- CCut	10.6	4319 - Mixed Upland Forest	6	69	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, white pine, red pine, red oak and cedar if they are present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stands over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Regeneration survey as per work instructions. Add sale spec 5.2.40 pathway protection: The North Country Trail is a hiking trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the Sale Administrator. Also add spec 6.2.3 Recreational Trail Posting: The Purchaser is responsible for posting and maintaining caution signs on the North Country Trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
27	11012027- CCut	201.3	42120 - Planted Jack Pine	6	47	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<p><u>Prescription</u> Harvest all species down to 1-inch DBH regardless of merchantability. Retention will be less than 3%.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stands over story species prior to harvest. Regeneration survey as per work instructions.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

Approved Treatments:

66	11012027- Monitor	4.0	3302 - Low Density Conifer Trees	99			Monitoring	Monitoring - Regeneration	4212 - Planted Jack Pine	Planting Record	No
<p><u>Prescription</u> check for regen</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack Pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47 11012047-Prep	45.5	42220 - Natural Jack Pine	1	5	Immature	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> trench and plant <u>Specs:</u> <u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen; ; ; Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> Red pine with some minor component of jack pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024</p>										
32 11012032-Prep	8.8	4211 - Planted Red Pine	0	1	Immature	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Trench and plant red pine <u>Specs:</u> <u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen; ; ; Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> Red Pine with some Jack pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024</p>										

Total Treatment 0
Acreage Proposed:

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen: Examiner

Compartment: 12
Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	3A	3J
		With Condition	Not Available			
179	179	0	0	Aspen		
2	0	0	2	Herbaceous Openland	2	
2278	2180	0	97	Jack Pine	97	
4	4	0	0	Low-Density Trees		
7	0	0	7	Lowland Mixed Forest		7
9	9	0	0	Red Pine		
13	13	0	0	Sand, Soil		
24	24	0	0	Upland Conifers		
236	36	0	200	Upland Mixed Forest		200
18	18	0	0	Urban		
19	19	0	0	Water		
2,789	2,483		306	Total Forested Acres	99	207
	89%		11%	Relative Percent		

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	200	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Sturgeon River corridor.							
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
 Fred Hansen: Examiner

Compartment: 12
 Year of Entry: 2027



4	Unavailable	3A: Conservation values incompatible with harvest at this time	79	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Jack Pine Barons</p>							
5	Unavailable	3A: Conservation values incompatible with harvest at this time	21	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Jack Pine Barons</p>							

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	42120 - Planted Jack Pine	Sapling Well	77.5	38	1-50	N/A	2015:Trenched, hand planted, some volunteer jack pine.Cut as part of "The Long Leap Jack Pine" 11-005-83-01		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Pole	4	38				
2	42220 - Natural Jack Pine	Sapling Well	14.4	34	Immature	N/A	2015: SCARIFIED 1991cut as part of "1930 Jack Pine" 11-009-90-01		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Log	3	34				
3	42220 - Natural Jack Pine	Sapling Well	35.4	34	1-50	N/A	2015: SCARIFIED 1991Cut as part of "1930 Jack Pine" 11-009-90-01		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	5	34				
4	42220 - Natural Jack Pine	Sapling Medium	23.0	17	Immature	N/A	2015: Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/20082025: 15' tall		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Oak		1	Log	2					
White Spruce		1	Log	3					
White Pine		1	Pole	4					
Jack Pine		97	Log	2	17				
5	42120 - Planted Jack Pine	Poletimber Well	46.1	39	1-50	N/A	2015: HAND PLANTED BY INMATE CREW.Cut as part of "The Long 2025: 43 ft tall		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Sapling	5	39	Black Cherry	Trace	10 - 20 feet	10 - 20 feet
6	42220 - Natural Jack Pine	Sapling Medium	6.8	17	Immature	N/A	2015: Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008.2025: 16 ft tall		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Oak		1	Log	1					
White Spruce		1	Log	3					
White Pine		1	Log	4					
Jack Pine		97	Log	2	17				
7	42120 - Planted Jack Pine	Sapling Well	32.8	39	1-50	N/A	HAND PLANTED BY INMATE.Cut as part of "The Long Leap Jack Pine" 11-005-83-01.2025: 38' Tall		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Pole	4	39				
8	42220 - Natural Jack Pine	Sapling Well	63.0	28	Immature	N/A	2015: Cut as part of "Knee Deep Jack Pine" 11-006-97-01.Some larger diameter jack pine and aspen were left in the stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Oak		2	Log	1					
Jack Pine		94	Log	3	28				
Black Cherry		2	Log	1					
Quaking Aspen		1	Log	2					
Paper Birch		1	Log	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
9	42220 - Natural Jack Pine	Sapling Medium	31.0	34	Immature	N/A	2015:Scarified. Spotty regeneration. May fit description of jack pine barrens.																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>98</td> <td>Log</td> <td>3</td> <td>34</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Log</td> <td>2</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	98	Log	3	34	Red Oak	2	Log	2											
Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	98	Log	3	34																												
Red Oak	2	Log	2																													
10	42220 - Natural Jack Pine	Sapling Medium	116.4	28	Immature	N/A	2015: Scarified.Cut as part of "Short Timer Jack Pine" 11-005-97-01.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
White Pine	1	Seedling	5																													
Jack Pine	97	Pole	3	28																												
Red Oak	1	Log	1																													
White Spruce	1	Pole	4																													
11	42120 - Planted Jack Pine	Poletimber Well	67.4	38	1-50	N/A	2015: BRAKE SCALPED, INMATE HAND PLANTED.Cut as part of "The Long Leap Jack Pine" 11-005-83-01.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	100	Sapling	6	38																												
12	42220 - Natural Jack Pine	Sapling Medium	22.4	17	Immature	N/A	2015: Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
White Pine	1	Log	4																													
Jack Pine	97	Log	1	17																												
Red Oak	1	Log	1																													
White Spruce	1	Log	3																													
13	42220 - Natural Jack Pine	Sapling Well	40.5	28	Immature	N/A	2015: Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
White Pine	1	Seedling	6																													
Jack Pine	99	Log	3	28																												
14	42220 - Natural Jack Pine	Sapling Well	36.2	28	Immature	N/A	2015: Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	100	Log	3	28																												
15	42220 - Natural Jack Pine	Sapling Poor	3.1	17	Immature	N/A	2015: Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	100	Log	2	17																												
16	42220 - Natural Jack Pine	Sapling Poor	5.5	17	Immature	N/A	2015: Cut 2007 as part of "One Short Pine" 11-006-07-01. Scarified in 2008.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	100	Log	2	17																												
17	42120 - Planted Jack Pine	Poletimber Well	49.7	38	1-50	N/A	2015:BRAKE SCALPED, INMATE HAND PLANTED.Cut as part of "The Long Leap Jack Pine" 11-005-83-01.2025: Look to cut in 2037.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	100	Sapling	6	38																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	42220 - Natural Jack Pine	Sapling Medium	25.1	32	Immature	N/A	2015: SCARIFIED 1993.Cut as part of "Sandhill Salvage" 11-019-91-01.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	4	32		
19	42220 - Natural Jack Pine	Sapling Medium	6.5	25	1-50	N/A	scarified. Cut as part of "Short Timer Jack Pine" 11-005-97-01.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	3	25		
20	42220 - Natural Jack Pine	Sapling Poor	14.8	15	Immature	N/A	2015: Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010. Scotch Pine seedling removed in 2018. FTP C-11-281.2018: Regen check 2018; ave 558 T/A FTP - Closed
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	1	15		
21	42220 - Natural Jack Pine	Sapling Poor	13.4	15	Immature	N/A	Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010. Scotch Pine seedling removed in 2018. FTP C-11-281.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density
Jack Pine		100	Log	1	15	Jack Pine	Full
						Avg. Height	Size
						< 5 feet	< 5 feet
Regen check 2018; ave 517 T/A FTP - Closed							
22	42220 - Natural Jack Pine	Sapling Poor	20.0	15		N/A	Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010. Scotch Pine seedling removed in 2018. FTP C-11-281.Regen check 2018; ave 535 T/A FTP - Closed2025: scattered dead trees, possibly from hall damage.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	1	15		
23	42220 - Natural Jack Pine	Sapling Well	27.6	32	Immature	N/A	2015: Cut as part of "Jack Pine Cut-Off" 11-1014-91-01. SCARIFIED 1993
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	3	32		
24	42220 - Natural Jack Pine	Sapling Well	7.1	34	Immature	N/A	regenerated by scarification before state acquired. Harvested just before the 1992 photos were taken. Acquired in 8/16/2000.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	3	34		
25	42220 - Natural Jack Pine	Sapling Medium	5.8	25	1-50	N/A	OPIC - FMD: scarified. Cut as part of "Short Timer Jack Pine" 11-005-97-01.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	3	25		
26	42120 - Planted Jack Pine	Sapling Medium	12.5	37	1-50	N/A	2015: FIRE 1987, REPLANTED / FAILED, checked 2004 OK.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	4	37		
27	42120 - Planted Jack Pine	Poletimber Poor	201.4	47	51-80	N/A	2015: PLANTATION. INITIAL HAND PLANT, MACHINE INTERPLANT. Scotch pine was planted in the stand in NE corner.2025: In 2019 a strip of scotch pine was removed between this stand and stand to the west. ATV trail runs through stand.Max diameter 8" Most trees are 5-6",52 Ft Tall.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Sapling	6	47		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments															
28	42120 - Planted Jack Pine	Poletimber Poor	244.0	47	51-80	N/A	HAND PLANTED SPRING 19782025: ATV trail runs through stand. Max diameter 8" Most trees are 5-6", 45 Ft Tall.															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling	6	47																		
29	42220 - Natural Jack Pine	Sapling Well	5.4	32	Immature	N/A	Cut as part of "Jack Pine Cut Off" 11-014-91-01. SCARIFIED 1993															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Log	3	32																		
30	42220 - Natural Jack Pine	Sapling Well	69.2	33	1-50	N/A	2015: Harvested just before the 92 photos were taken. OPIC - FMD: regenerated by scarification before state acquired. Acquired in 2000.															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Pole</td> <td>4</td> <td>33</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Pole	4	33					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Pole	4	33																		
31	42220 - Natural Jack Pine	Sapling Medium	34.2	25	Immature	N/A	Cut as part of "Criss Cross Jack Pine" 11-004-97-01. Scarified 2000. Cut 1999.															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Log	2	25																		
32	4211 - Planted Red Pine	Unspecified	9.4	1	Immature		2025:" Regeneration survey needed in 2026:2022 - Regen check was conducted before growth started this spring and the regen appeared to be a failure (app 300 TPA). An addition walkthrough after spring growth had started made it apparent that the there were seedlings that had been missed during the before growth count (one year old trees) and the tree count was closer to 450 TPA. after talking to the TMS it was decided to wait and do regen checks at the 5 year mark before deciding what, if any action should be taken.2019 - Barrel Jack Pine 11-006-17, Cut winter 2018. Scarified 10/19 with D6H and chains. MULTI-AGED, SOME 1938 ORIGIN. Stand is in decline, final harvest to reestablish jack pine.OI Stand Year Origin was 1970. Stand is believed to be 1938 origin and is starting to decline.															
33	42220 - Natural Jack Pine	Sapling Poor	23.3	17	Immature	N/A	2015: Cut in 2008 as part of "Cross Cross Pine" 11-007-07-01															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	99	Log	2	17																		
Red Pine	1	Seedling	6																			
34	42220 - Natural Jack Pine	Sapling Well	4.7	36	1-50	N/A	2015: Cut as part of "Gas Line Jack Pine" 11-003-87-01. SCARIFIED 1989, C-11-134															
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35	42220 - Natural Jack Pine	Sapling Well	48.2	36	1-50	N/A	Cut as part of "Gas Line Jack Pine" 11-003-87-01. SCARIFIED 1989, C-11-134															
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Jack Pine	100	Pole	4	36																		
36	42220 - Natural Jack Pine	Sapling Poor	30.6	17	Immature	N/A	Cut in 2008 as part of "Blue Bait Pine" 11-023-07-01.															
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Jack Pine	99	Log	2	17																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	42220 - Natural Jack Pine	Sapling Medium	79.0	5	Immature	N/A	Barrel Jack Pine 11-006-17
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		20	Seedling	5	39	The part of Unit 4 south of the road was scarified 10/19 by D6H and chains. SEEDED 1968, OVERSTORY REMOVED 1986. Stand has a high component of Jack Pine that appears to be 60+ years old. Stand has variable age, stocking and structure due to its history and should be final harvested to reestablish jack pine.	
Jack Pine		80	Log	1	5		
38	42220 - Natural Jack Pine	Sapling Medium	16.3	32	1-50	N/A	Cut as part of "September Salvage" 11-004-92-01. SCARIFIED in 1993. Some larger diameter jack pine are present.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	4	32		
39	42220 - Natural Jack Pine	Sapling Well	30.8	25	Immature	N/A	2015: Cut by John Vuk in the Fall/winter 1999 as part of "Criss Cross Jack Pine" 11-004-97-01. Scarified 2000.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	2	25		
40	42220 - Natural Jack Pine	Sapling Medium	40.7	25	Immature	N/A	2015: Cut by John Vuk in the Fall/winter 1999 as part of "Criss Cross Jack Pine" 11-004-97-01. Scarified 2000.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	2	25		
41	42220 - Natural Jack Pine	Sapling Poor	100.8	16	Immature	N/A	Cut in 2008 as part of "Cross Cross Pine" 11-007-07-01. Scarified.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		1	Seedling	6			
Jack Pine		99	Log	1	16		
42	42220 - Natural Jack Pine	Sapling Well	7.4	31	51-80	N/A	Cut in 1994 as part of "September Salvage" 11-004-92-01. Scarified using anchor chain drag.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	4	31		
43	42220 - Natural Jack Pine	Sapling Well	62.8	17	Immature	N/A	Cut in 1994 as part of "September Salvage" 11-004-92-01. Scarified using anchor chain drag. Stand was then burnt over in the "Baraga Bump Fire" in 2007.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Log	1	17		
44	42120 - Planted Jack Pine	Sapling Well	16.0	32	1-50	N/A	2015: Cut as part of "September Salvage" 11-004-92-01. Machine planted 1993. Burn plots in 1992, burned for training. Some larger diameter jack pine are present.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		100	Pole	4	32		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																			
45	42220 - Natural Jack Pine	Unspecified	23.1	5	Immature	N/A	2024- Regen check walk through done, tree are patchy similar to original stand, tree ocular estimates of 500-700 trees per acre observed in the north half of the stand with approximately 25% of that area falling to meet regen stocking of 600 trees per acre. This stand surrounds the county leased sand pit and has been getting smaller as the county expands the pit in to portions of the stand. The stand is going to be split so that the portion of the stand that is south of the pit will be grouped with the stand to the south and have additional regen work done.2022 - Regen check was conducted before growth started this spring and the regen appeared to be a failure (app 300 TPA). An addition walkthrough after spring growth had started made it apparent that the there were seedlings that had been missed during the before growth count (one year old trees) and the tree count was closer to 450 TPA. after talking to the TMS it was decided to wait and do regen checks at the 5 year mark before deciding what, if any action should be taken.Barrel Jack Pine 11-006-17 Cut winter 2018. Scarified 10/19 with D6H and chains.																			
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46	42220 - Natural Jack Pine	Sapling Well	8.1	31	1-50	N/A	Cut as part of "September Salvage" 11-004-92-01. SCARIFIED in 1994. Some larger diameter Jack Pine are present.																			
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47	42220 - Natural Jack Pine	Unspecified	45.1	5	Immature	N/A	2025: Regeneration survey needed in 2026.2022 - Regen check was conducted before growth started this spring and the regen appeared to be a failure (app 300 TPA). An addition walkthrough after spring growth had started made it apparent that the there were seedlings that had been missed during the before growth count (one year old trees) and the tree count was closer to 450 TPA. after talking to the TMS it was decided to wait and do regen checks at the 5 year mark before deciding what, if any action should be taken.Barrel Jack Pine 11-006-17 Cut winter 2018. Scarified 10/2019 with D6H and chains.2015: Semi open, two age, older trees are probably 50 yrs. Previous age before harvest was 81.Some 1938 Jack Pine in the stand. Stand is in decline, final harvest to reestablish Jack Pine.																			
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White Pine	15	Seedling	9	50																						
Jack Pine	80	Log	1	5																						
White Spruce	5	Pole	4																							
48	42120 - Planted Jack Pine	Sapling Poor	109.5	11	Immature	N/A	Cut as part of "Buck Rub Jack Pine" 11-003-97-01. Harvest was completed in 2000. Scarified in Summer, 2001. Burnt over in the "Baraga Bump Fire" in 2007. FTP C 11-218. Baraga Bump Fire replant. It was trenched and planted in May 2010 which failed, replanted in October 2010 which also failed. The third planting took place in May of 2014 which is successful thus far. FTP update December 2017 - regen survey done 5-24-17 Approx. 90% of stand area is fully stocked with 600+ JP/ac including vols; another 6% is at 500 JP/ac. The remaining 4% averages about 367 JP/ac. Cherry competition averages about 62 stems/ac. Overall stand avg 825 JP/ac** TMS closing FTP 11-218**																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
49	42220 - Natural Jack Pine	Sapling Poor	37.8	17	Immature	N/A	Stand was burnt over in spring of 2007 in the "Baraga Bump Fire" and was then put up as Salvage Sale "Kenton Fried Pine" (11-024-07-01). Scarified from logging equipment.																														
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White Pine	1	Seedling	8																																		
Jack Pine	93	Log	2	17																																	
Black Cherry	5	Log	1																																		
50	42220 - Natural Jack Pine	Sapling Well	21.1	35	51-80	N/A	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED 1990.2025: Part of stand had a surface fire in 2007 (Baraga Bump Fire). Look to possibly cut in 2037.																														
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51	42120 - Planted Jack Pine	Unspecified	91.7	9	Immature	N/A	Cut as part of "Buck Rub Jack Pine" 11-003-97-01. Scarified in 1999. Burnt over in the "Baraga Bump Fire" in 2007. Trenched and planted in 2016 with Jack pine. FTP 11-248 FTP update - regeneration survey done 5-30-17 - Approx 61% of stand area is fully stocked with 600+ JP/ac including vols; another 24% is stocked to an average of 452 JP/ac. The remaining 15% is stocked at an average of about 246 JP/ac. Cherry competition averages about 180 TPA Overall stand avg 697 JP/ac5-17-19 (TMS) - 3rd year survey indicate that the average of planted & volunteer jack pine seedlings per acre is now approximately 775 with an average height of about 1.9'. About 65% of the site is fully-stocked with 600+ acceptable TPA, and an additional 30% has 400-599 TPA. Approximately 5% is understocked at 300 TPA or less. If normal & acceptable growth and mortality rates continue, these densities will probably result in a stand that mimics the characteristics of natural jack pine stands on dry upland sites in this area.																														
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Jack Pine	87	Log	1	9																																	
Black Cherry	10	Log	1	9																																	
52	42220 - Natural Jack Pine	Sapling Medium	17.9	17	Immature	N/A	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED in 1990. Burnt over in the "Baraga Bump Fire" in 2007.																														
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Jack Pine	75	Log	2	17																																	
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53	42220 - Natural Jack Pine	Sapling Medium	23.9	17	Immature	N/A	2015: Stand was burnt over in spring of 2007 in the Baraga Bump Fire and was then put up as Salvage Sale "Kenton Fried Pine" (11-024-07-01). Logging activity scarified the stand enough to produce good regeneration. Lots of large diameter snags.																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
54	4136 - Aspen, Mixed Conifer	Sapling Medium	131.3	17	Immature	N/A	2015: Stand was burnt over in spring of 2007 in the Baraga Bump Fire and then was acquired from Wisconsin Electric on 12/19/2008. A lot of large diameter snags. Aspen regeneration increased on the south edge of the stand.																																								
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55	4319 - Mixed Upland Forest	Sapling Well	13.5	17	Immature	N/A	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED in 1990. Burnt over in the "Baraga Bump Fire" in 2007.																																								
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56	42220 - Natural Jack Pine	Sapling Well	33.2	39	51-80	N/A	Acquired from Wisconsin Electric on 12/19/2008.2025: Look to possibly cut in 2037.																																								
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White Pine	20		14																																												
Jack Pine	65	Log	2	26																																											
Black Cherry	10	Log	1																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 4136 - Aspen, Mixed Conifer Sapling Well 47.8 31 1-50 N/A Acquired from Wisconsin Electric on 12/19/2008.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Log	1	
Paper Birch	2	Sapling	5	
Red Pine	3		12	
White Pine	3		14	
Jack Pine	13	Log	3	
Balsam Fir	2	Log	2	
Red Oak	1	Log	1	
White Spruce	2	Log	2	
Black Spruce	2	Log	2	
Quaking Aspen	70	Pole	4	31

59 429 - Mixed Upland Conifers Sapling Well 23.5 8 Immature N/A Acquired from Wisconsin Electric on 12/19/2008.
2018: Leftover Spruce, cut 2016-2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5		16		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Jack Pine	48	Log	1	8				
Paper Birch	1	Log	1	8				
Red Oak	1	Log	1	8				
Black Spruce	40	Log	1	8				
Northern White Cedar	2	Seedling	8					
Red Pine	1		12					
Tamarack	2	Log	1	8				

60 4311 - Pine, Aspen Mix Sapling Poor 11.4 8 Immature N/A 2015: The northern 2/3 of this stand was scarified in 10/19 with JD 740 and chains. The southern 1/3 has good aspen coming in. Acquired from Wisconsin Electric on 12/19/2008. 2018: Leftover Spruce, cut 2016-2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Log	1		White Pine	Low	Variable	Variable
Red Pine	1		10					
Balsam Fir	4	Log	1					
Quaking Aspen	50	Log	1	8				
White Pine	5		14					
Jack Pine	38	Log	1	8				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																											
61	4319 - Mixed Upland Forest	Poletimber Well	10.6	69	81-110	N/A	Acquired from Wisconsin Electric on 12/19/2008. Several drainages in stand. NCT runs through the stand.																																																																											
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62	500 - Water	Unspecified	19.2			No	Sturgeon River.																																																																											
63	4311 - Pine, Aspen Mix	Sawtimber Well	200.0	87	81-110	N/A	Acquired from Wisconsin Electric on 12/19/2008. Riparian Corridor to the Sturgeon River with very steep slopes.																																																																											
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64	42220 - Natural Jack Pine	Poletimber Well	3.6	72	51-80	N/A	2015: Long term retention of mature jack pine from the Baraga Bump fire. 2025: Some of the JP retention there are starting to die out.																																																																											
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65	42220 - Natural Jack Pine	Sapling Medium	5.4	17	Immature	N/A	Cut as part of "Buck Rub Jack Pine" 11-003-97-01. Scarified in 1999. Burnt over in the "Baraga Bump Fire" in 2007. Note - stand was part of stand 52 that was not trenched and planted, stand 51 was expanded to the area of 51 and 52 that was trenched and planted.																																																																											
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66	3302 - Low Density Conifer Trees	Unspecified	4.0			No	2025: Regenerating survey needed in spring 2025.2015: PLANTATION. INITIAL HAND PLANT, MACHINE INTERPLANT. Scotch pine was planted in the stand in NE corner.12/12/17 - all scotch pine was cut by Santti's and added to "Left Over Spruce" 11-007-17-01. Scarify and monitor of scotch pine regeneration.10/25/19 - Stand was chained 10/17/19.
67	42220 - Natural Jack Pine	Unspecified	10.8	5		N/A	2024- regen check walk through was done estimated trees per acre of 900-1500, regen is patchy, regen check passed 2022 - Regen check was conducted before growth started this spring and the regen appeared to be a failure (app 300 TPA). An addition walkthrough after spring growth had started made it apparent that the there were seedlings that had been missed during the before growth count (one year old trees) and the tree count was closer to 450 TPA. after talking to the TMS it was decided to wait and do regen checks at the 5 year mark before deciding what, if any action should be taken. Barrel Jack Pine 11-006-17 The part of Unit 4 south of the road was scarified 10/19 by D6H and chains. SEEDED 1968, OVERSTORY REMOVED 1986. Stand has a high component of Jack Pine that appears to be 60+ years old. Stand has variable age, stocking and structure due to its history and should be final harvested to reestablish jack pine.
68	42220 - Natural Jack Pine	Sapling Poor	32.7	5	Immature	N/A	25025: Two pockets of JP were left along road due to small diameter. 2024- Regen check walk through was conducted with tree estimates of 900-1500 trees per acre in the North 1/2 and 700-900 trees per acre in the south 1/2, regen check passed. The regen is patchy similar to original stand.2022 - Regen check was conducted before growth started this spring and the regen appeared to be a failure (app 300 TPA). An addition walkthrough after spring growth had started made it apparent that the there were seedlings that had been missed during the before growth count (one year old trees) and the tree count was closer to 450 TPA. after talking to the TMS it was decided to wait and do regen checks at the 5 year mark before deciding what, if any action should be taken.Barrel Jack Pine 11-006-17The part of Unit 4 south of the road was scarified 10/19 by D6H and chains. 2015: SEEDED 1968, OVERSTORY REMOVED 1986. Stand has a high component of Jack Pine that appears to be 60+ years old. Stand has variable age, stocking and structure due to its history and should be final harvested to reestablish jack pine.
69	42220 - Natural Jack Pine	Sapling Well	5.7	33	Immature	N/A	
70	42220 - Natural Jack Pine	Sapling Poor	2.5	28	Immature	N/A	2015 : Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.



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71	6139 - Mixed Lowland Forest	Poletimber Well	6.8	69	51-80	N/A	2025: Drainage flowing into Sturgeon River. 2015: Acquired from Wisconsin Electric on 12/19/2008. Several drainages in stand. NCT runs through the stand.																																																																						
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100	710 - Sand, Soil	Unspecified	13.3			No	OPIC - FMD: SAND PIT under lease to Baraga County Road Commission																																																																						
101	122 - Road/Parking Lot	Unspecified	5.3			No	Gorge Cutoff Road. County Road.																																																																						
102	122 - Road/Parking Lot	Unspecified	1.3			No	OPIC - FMD: ORV trail head / parking lot																																																																						
103	122 - Road/Parking Lot	Sapling Well	11.8			No	Baraga Plains Road, County Road																																																																						
402	31022 - Warm Season Grass	Unspecified	20.5			No	OPIC - FMD: NATURAL GAS PIPELINE R-O-W, GRASS OPENING, used as snowmobile trail in winter.																																																																						