



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11012

Entry Year 2017

Acreage: 2,868

County Baraga

Management Area: Baraga Plains

Revision Date: 2014-12-01

Stand Examiner:

Legal Description:

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

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.

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:

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

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 subcrops below the glacial drift. There is not a current economic use for these rocks. The Baraga Plain pit is in Section 31 and potential appears to be good. (This pit is leased to Baraga County Road Commission.) Abandoned iron mines are located six miles to the east. This Compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

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:

Survey might be needed to go along with the new acquisition lands in the south of the compartment.

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:

There is a stand of Scotch pine near the ORV trail head that will need to be harvested.

The following reports from the Inventory are attached:

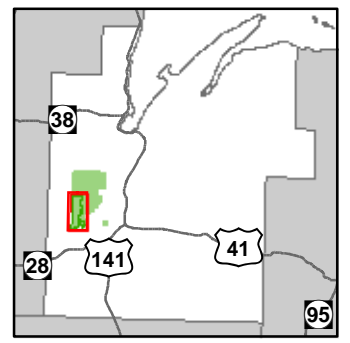
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

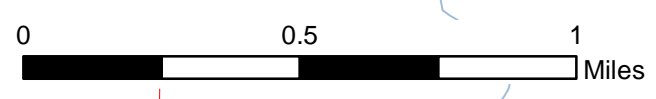
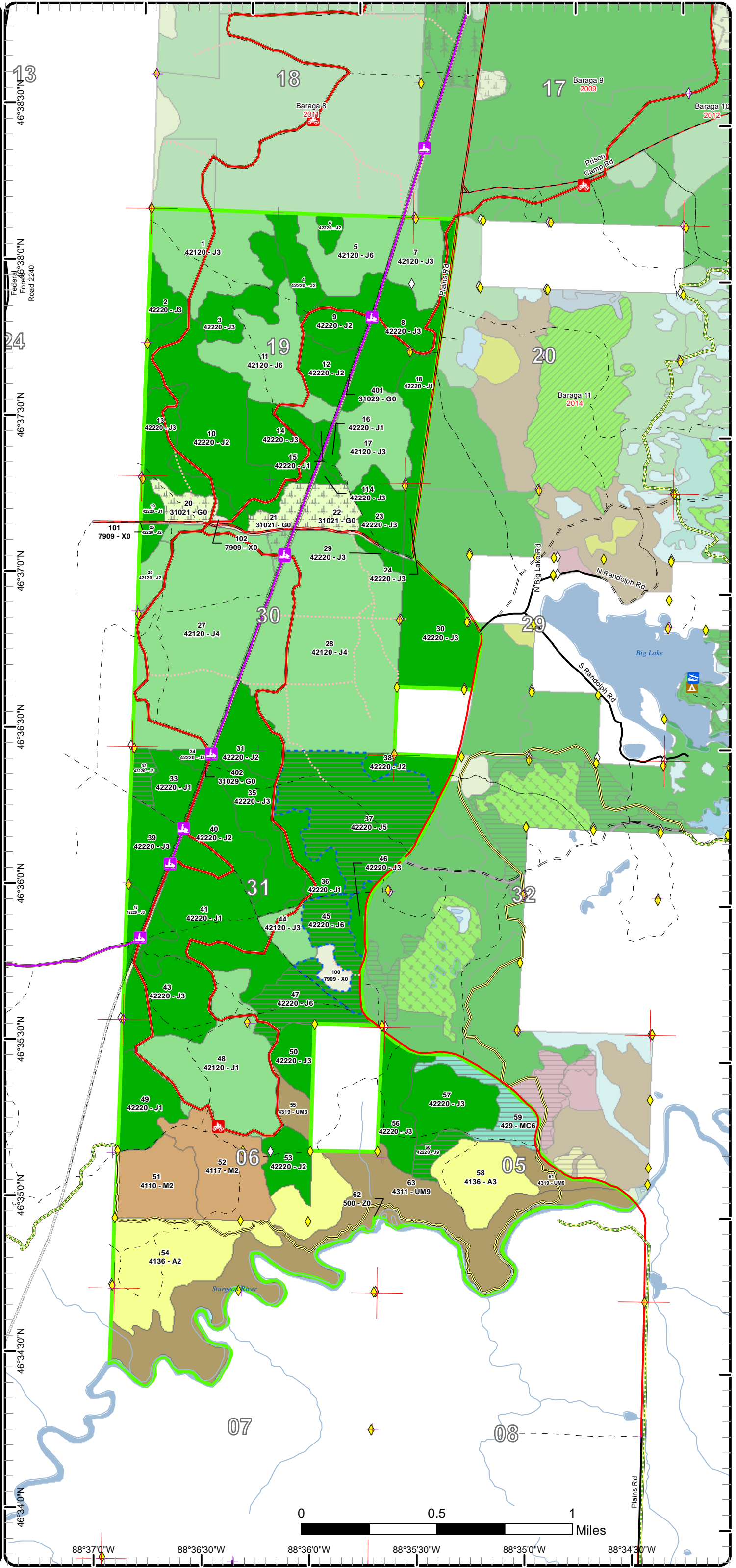
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

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 T49N, 34W, Sec. 19, 30, 31
 County: Baraga
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 Mgmt Area: Baraga Plains
 YOY: 2017
 Acres: 2868 GIS Calculated
 Examiner: Jason Mittlestat
 Map Revised: 5/19/2015
 Map Phase: Pre-Review



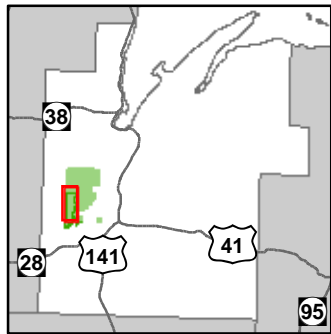
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- 500 - Water
- 790 - Other Bare/Sparsely Vegetated



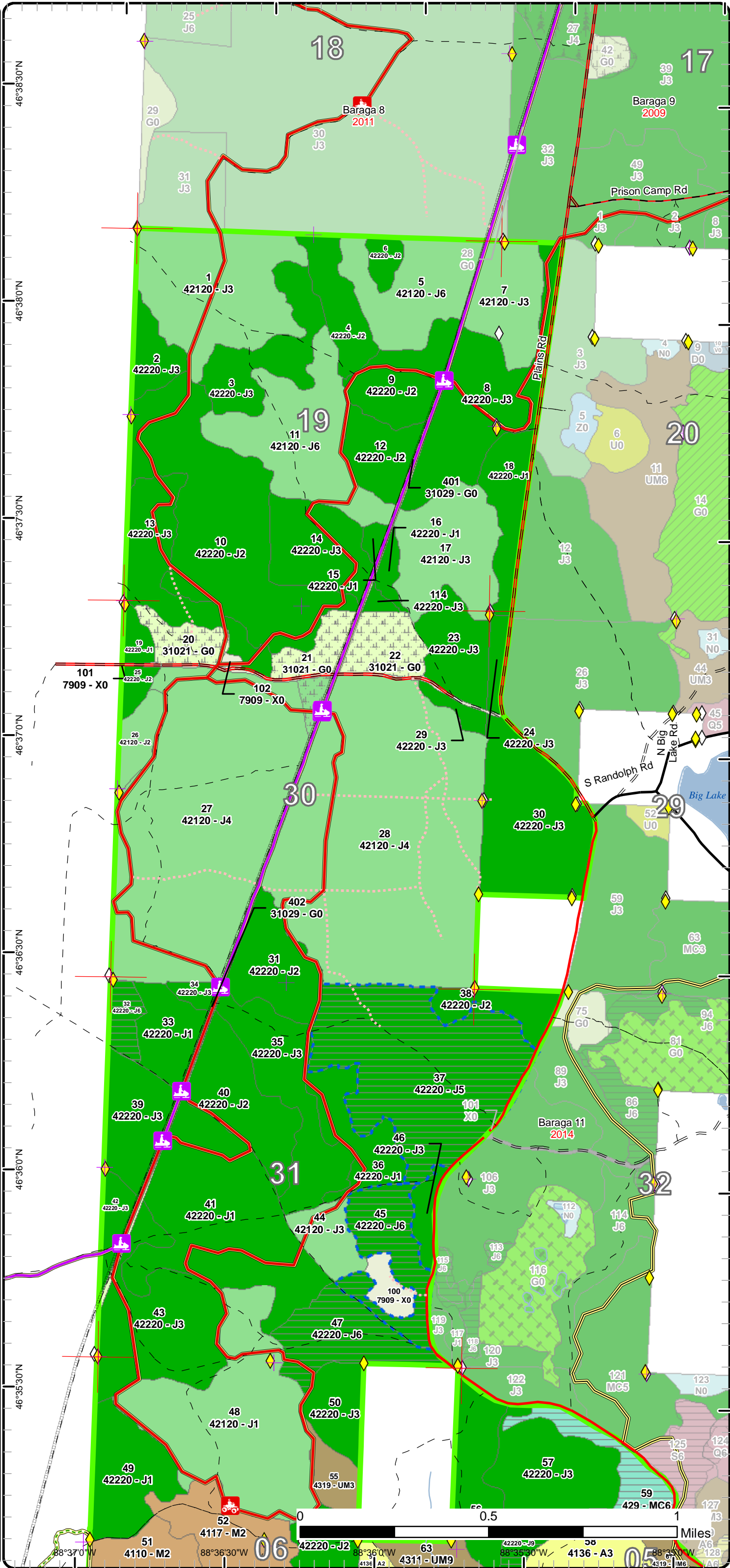
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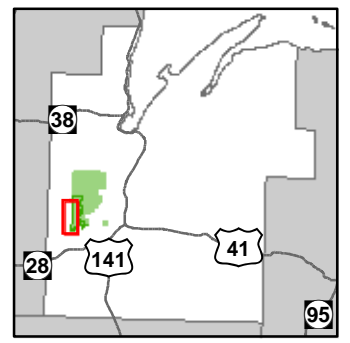


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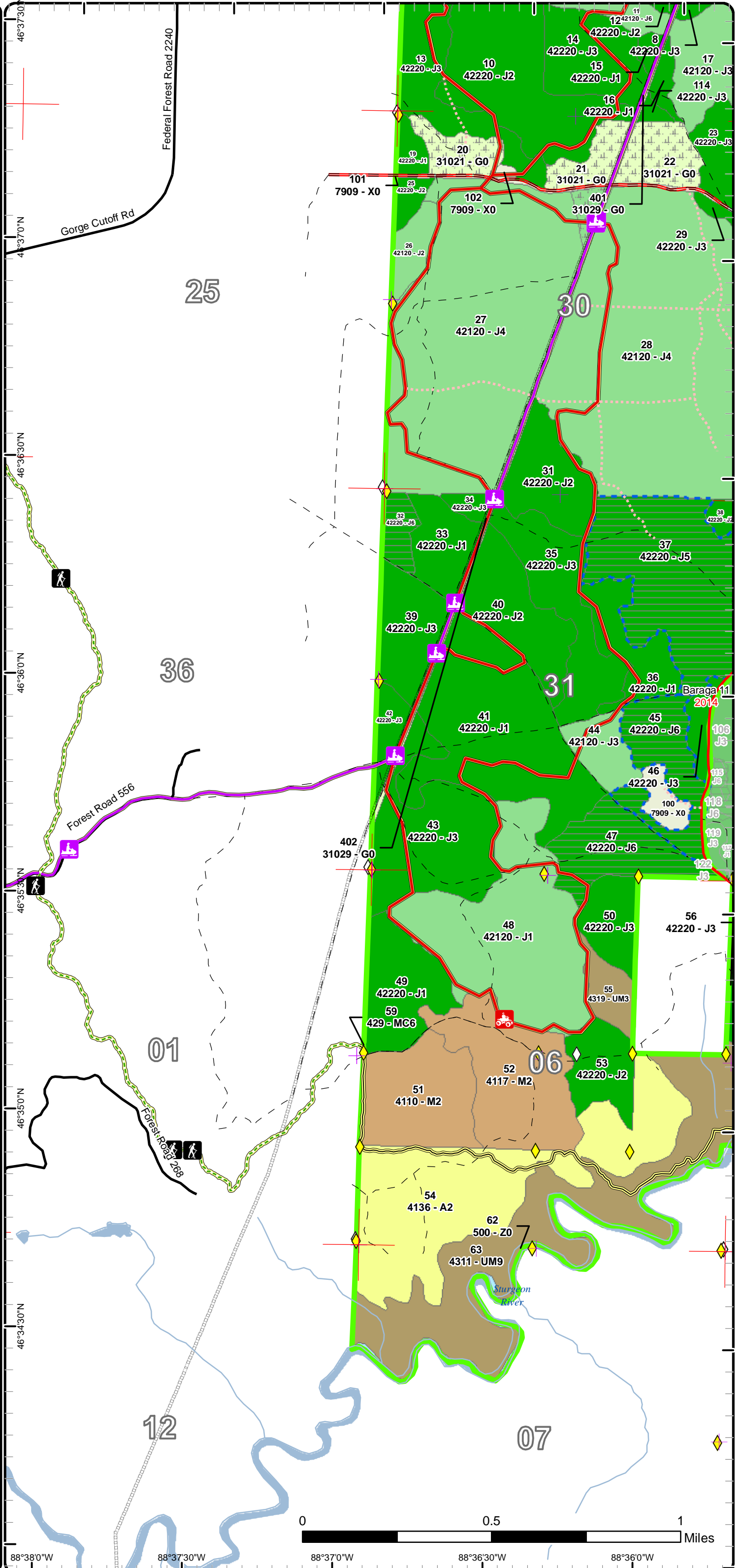


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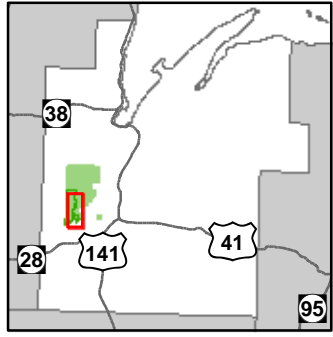


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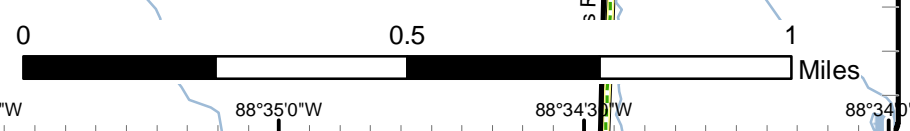
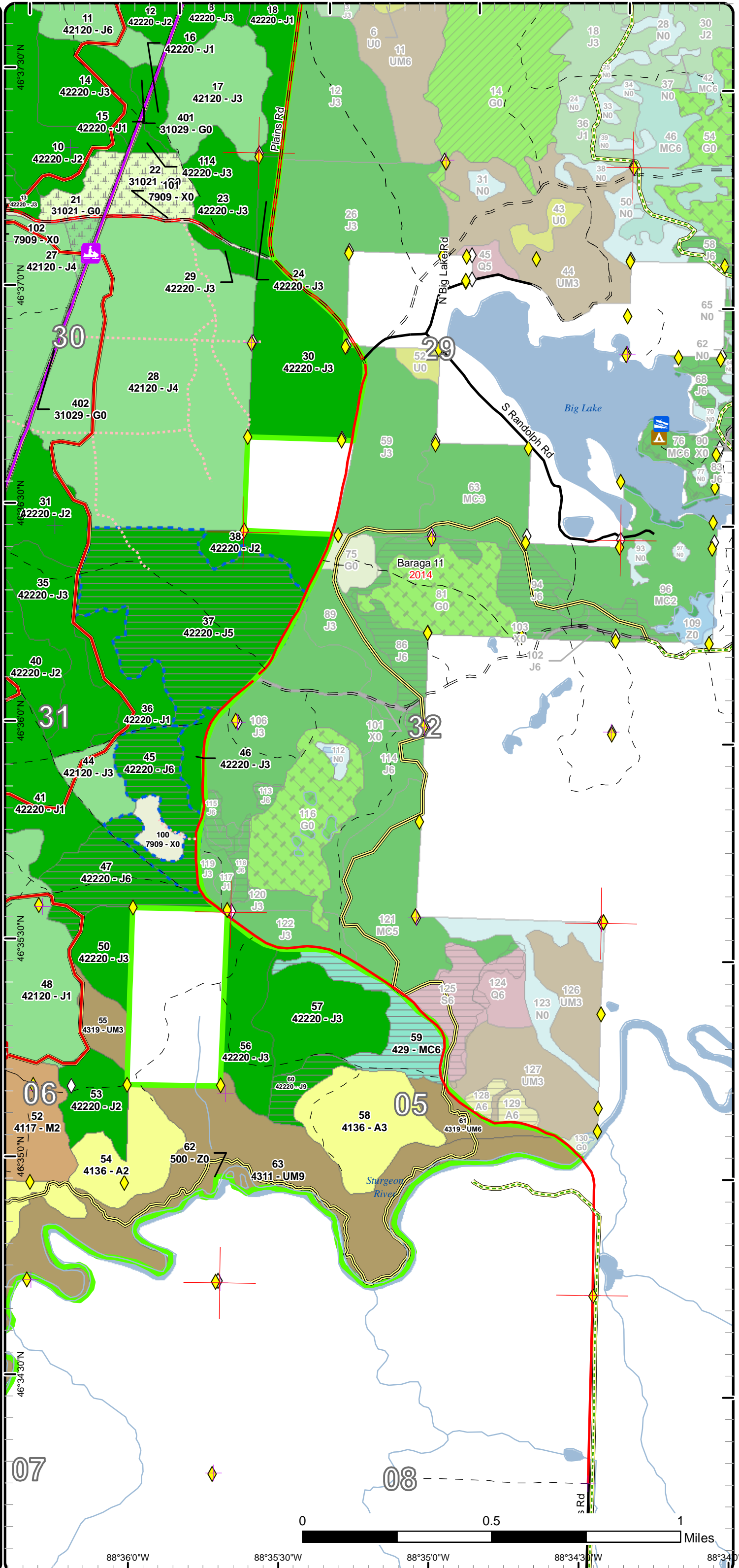


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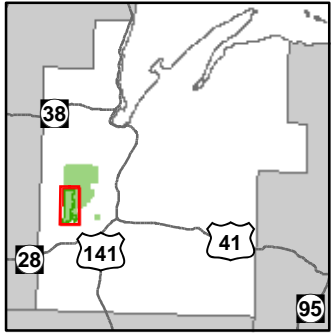


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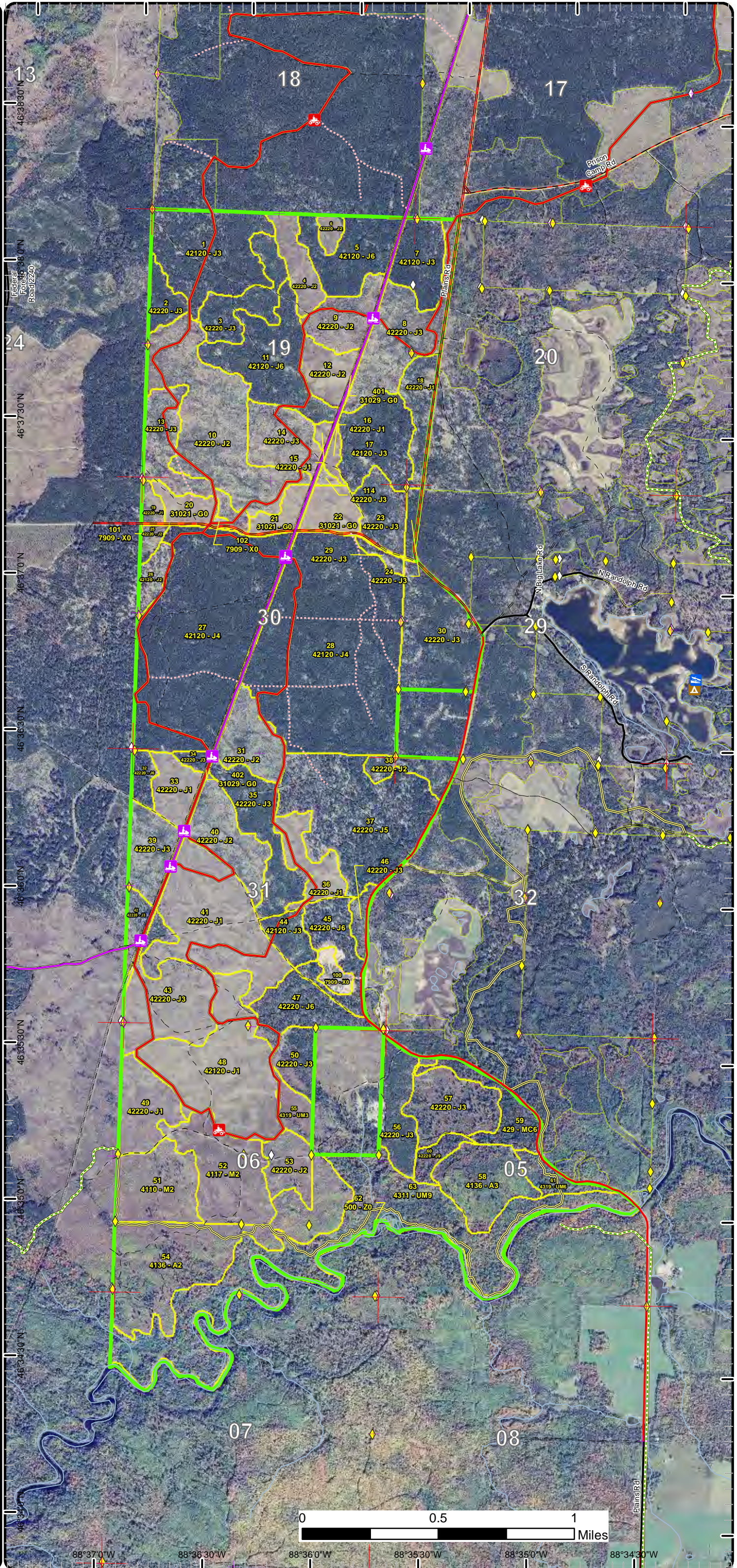


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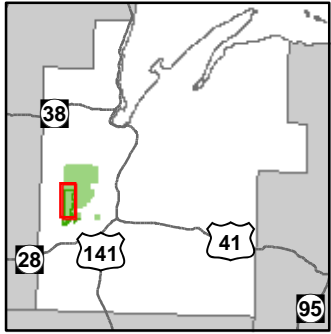


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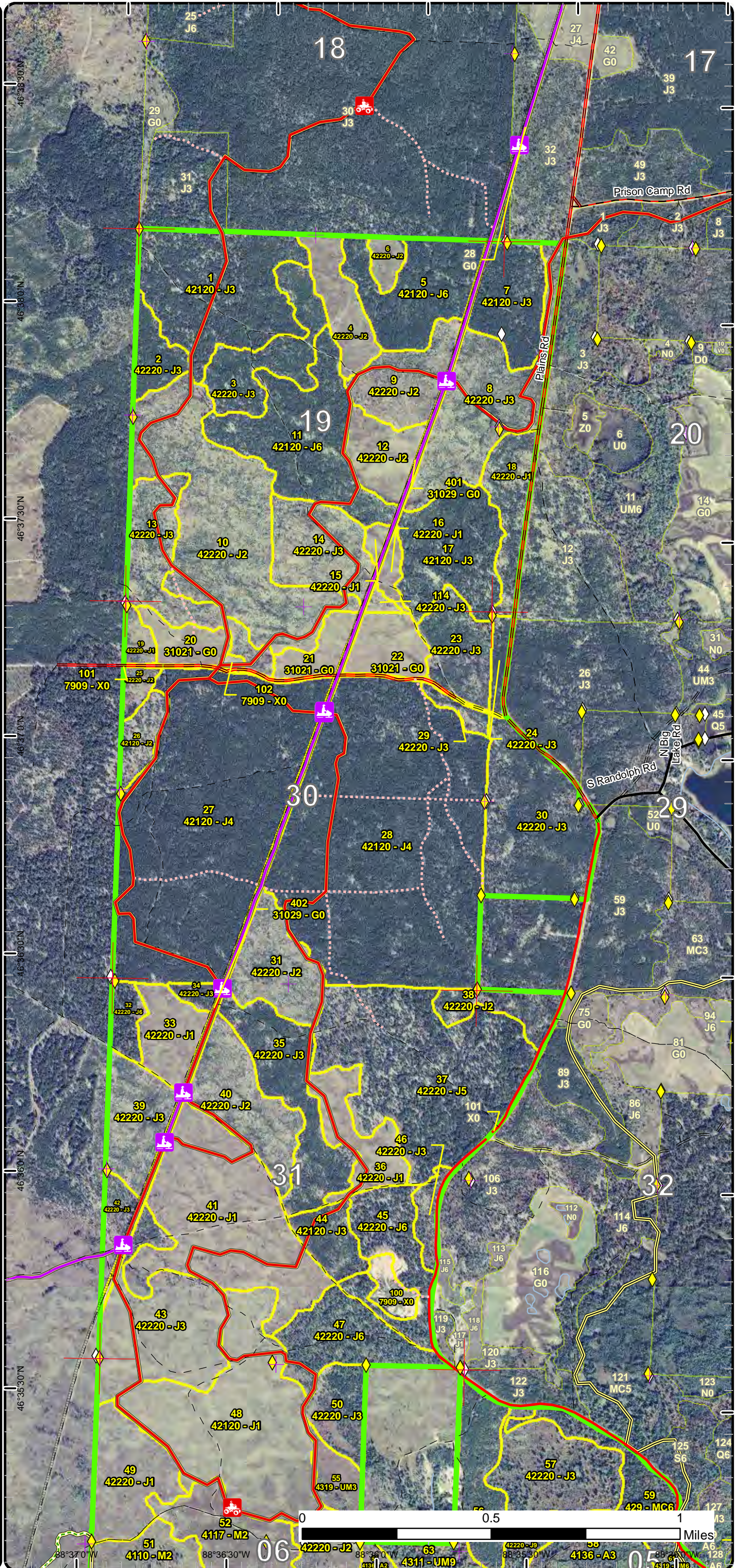


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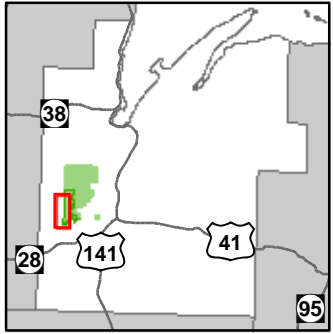


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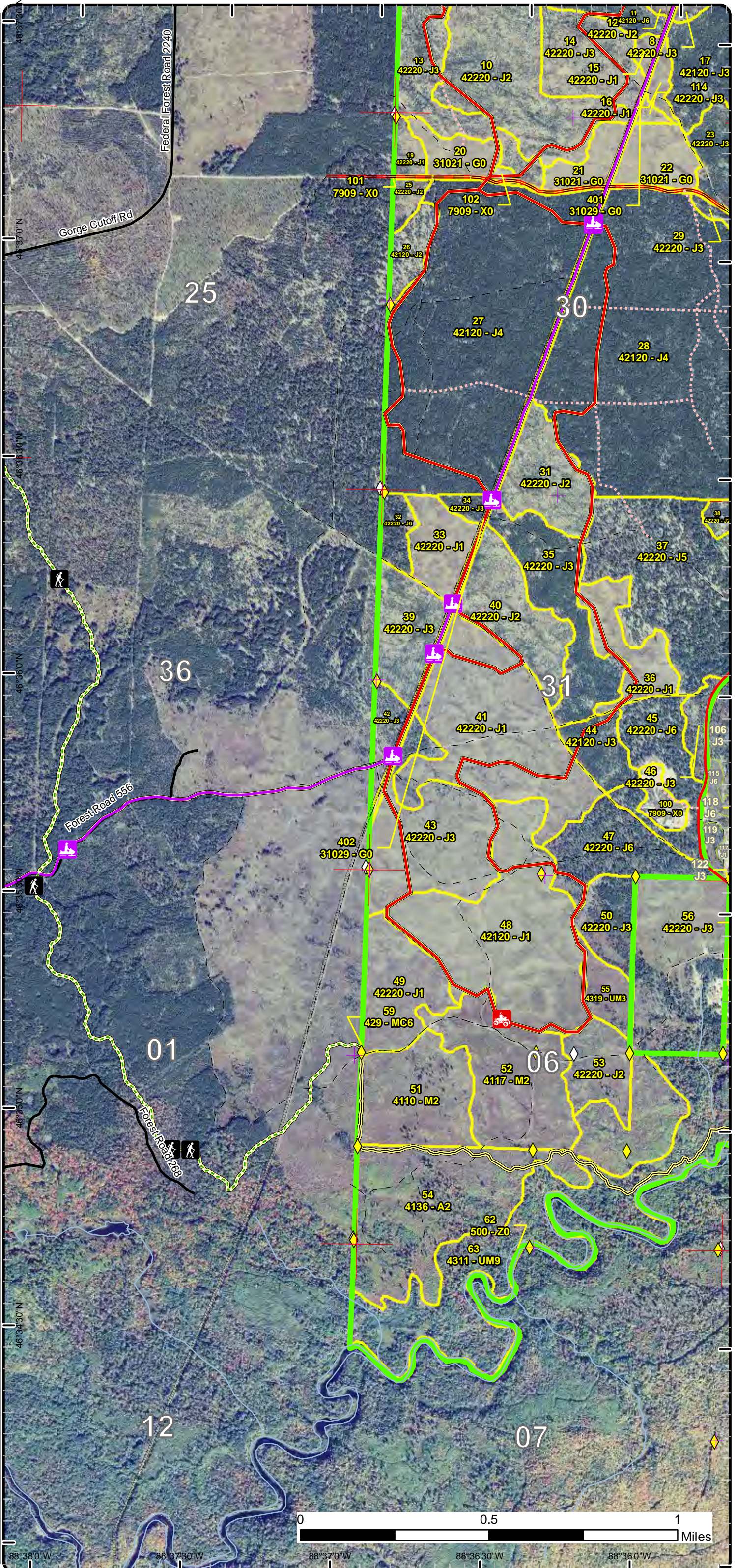


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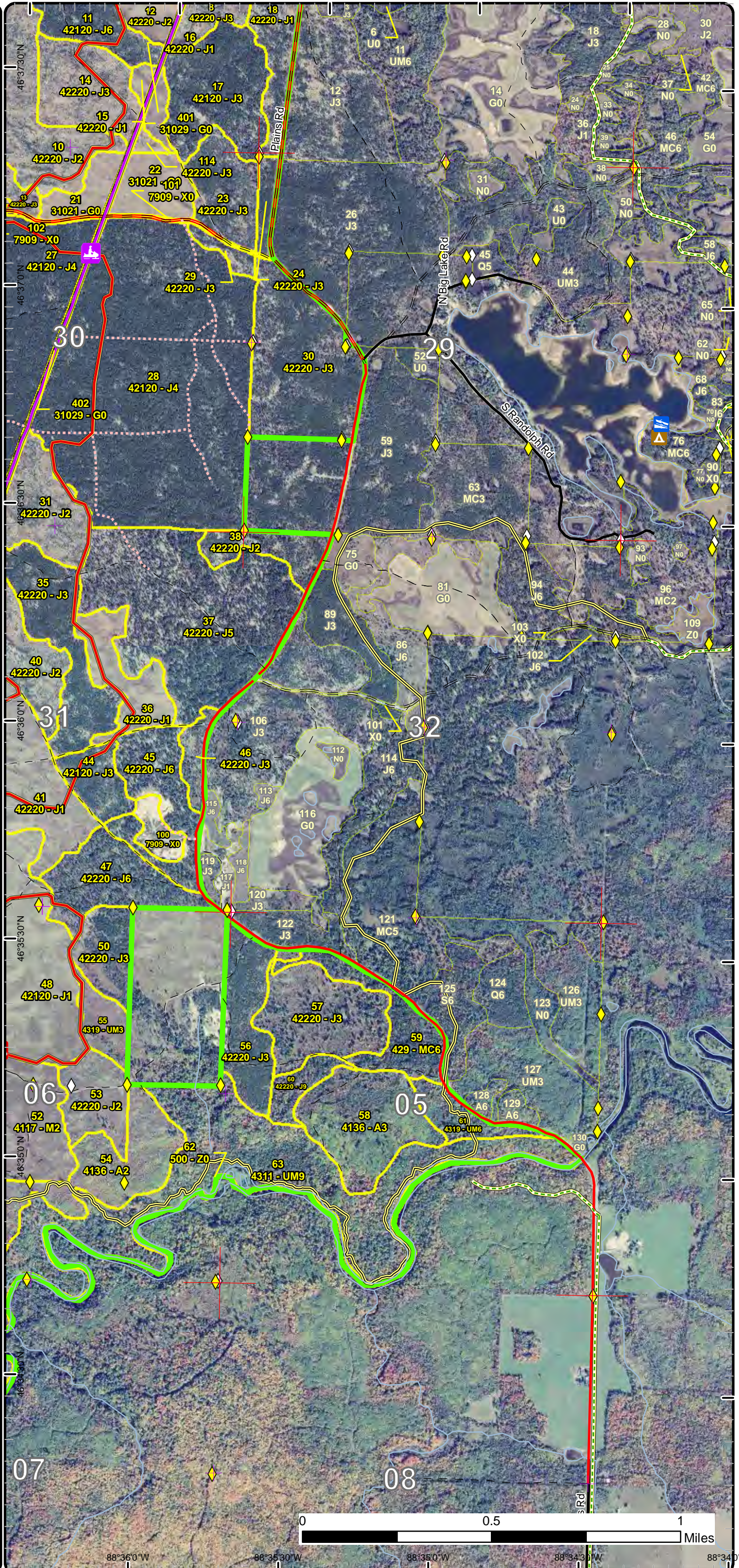
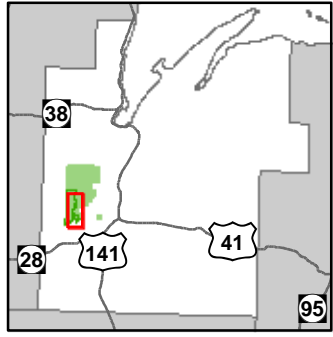


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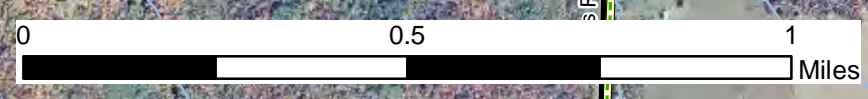


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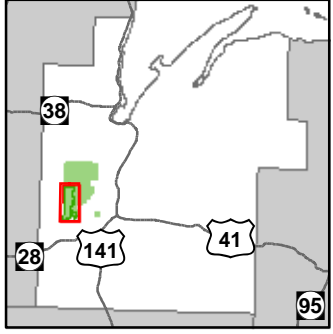
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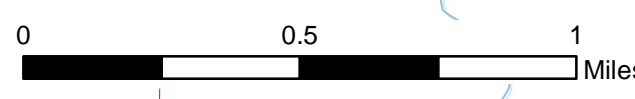
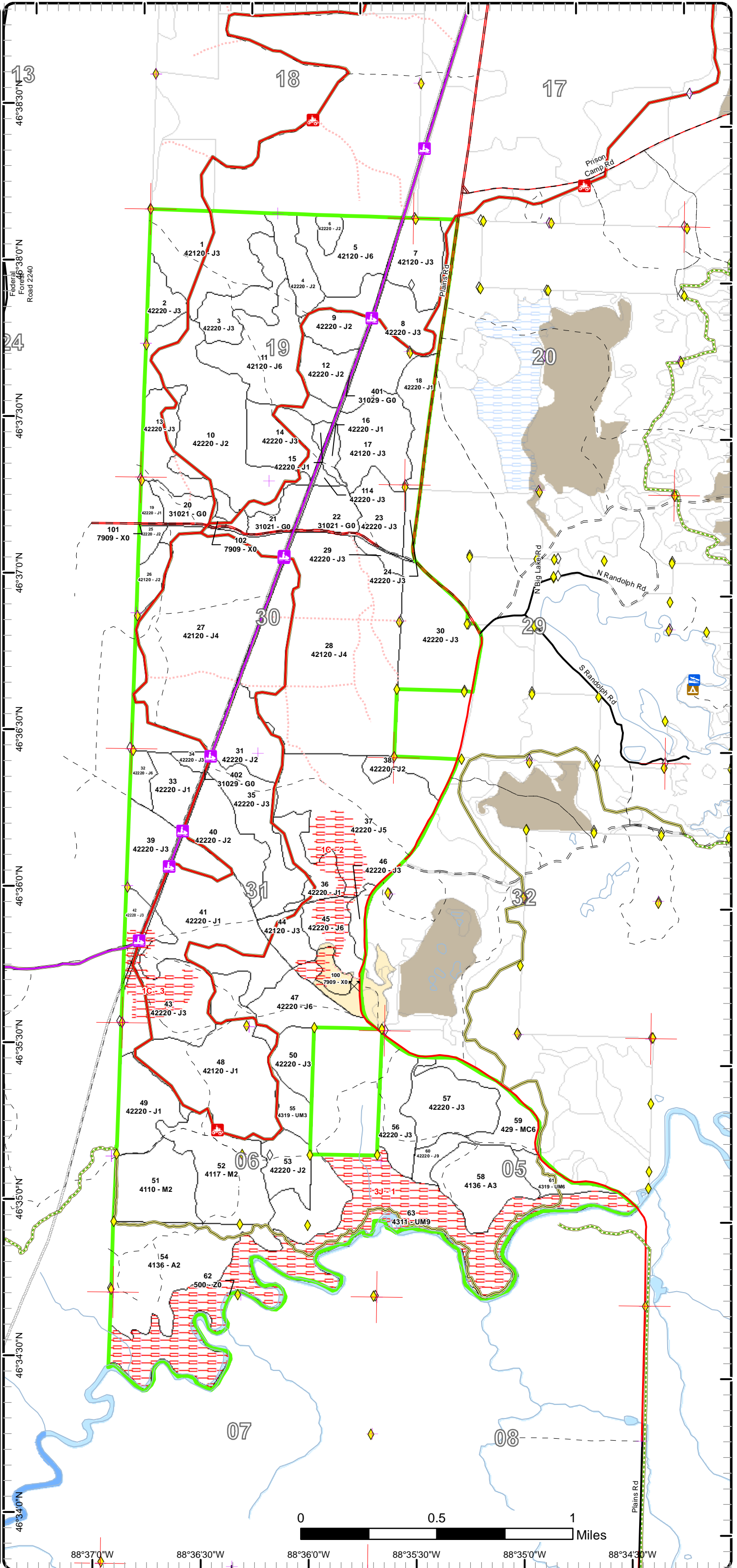
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Special Conservation Areas & Site Conditions Map

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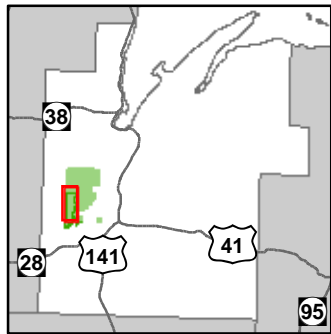
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- 3J: Water quality / BMPs (stream, river, or lake)
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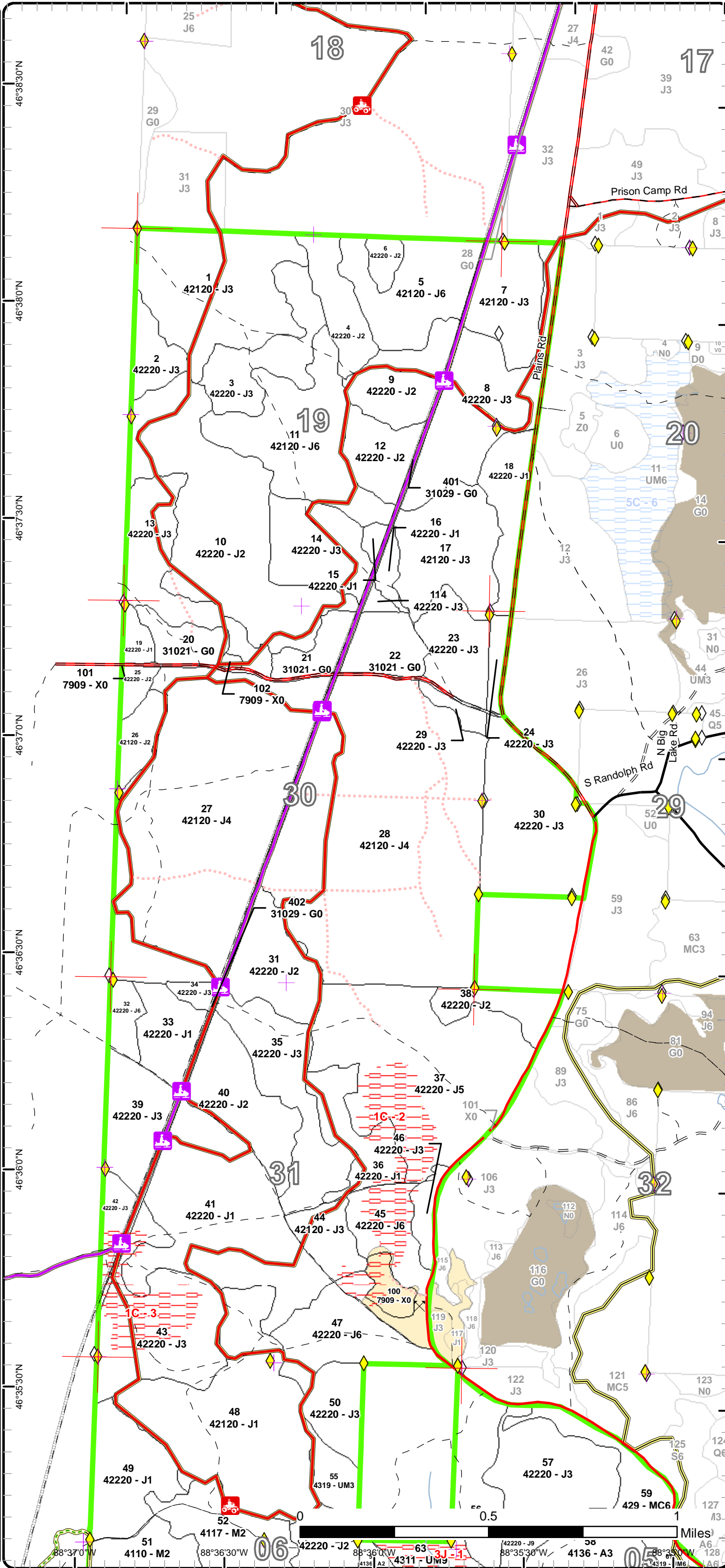
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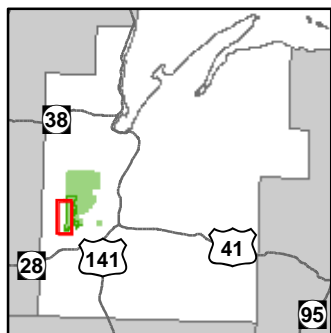


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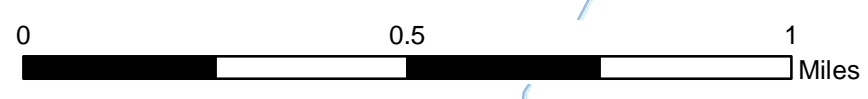
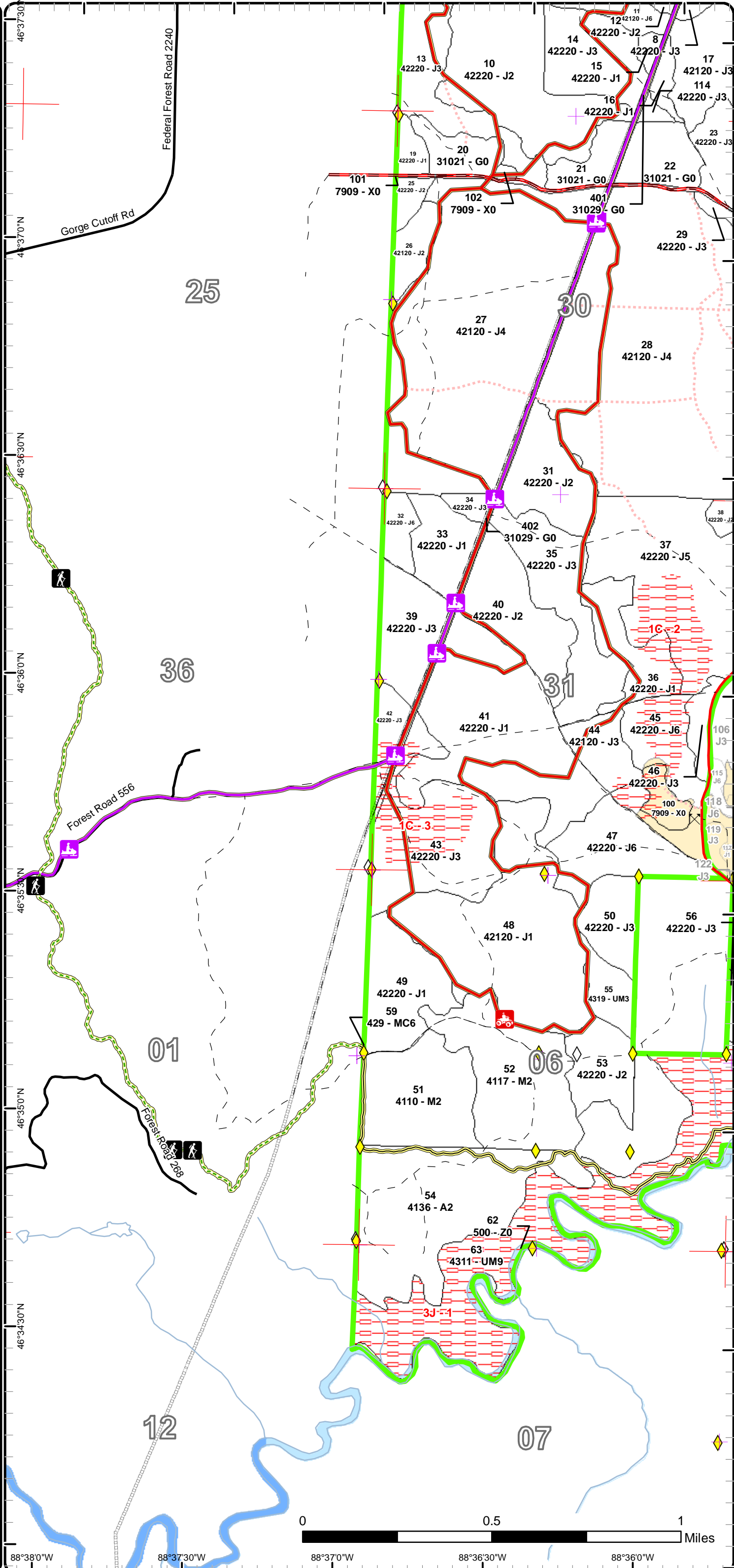


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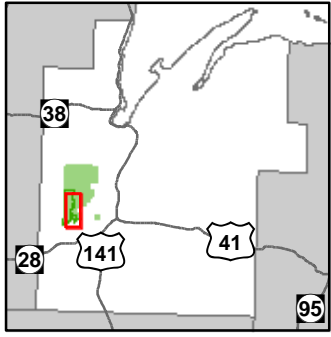
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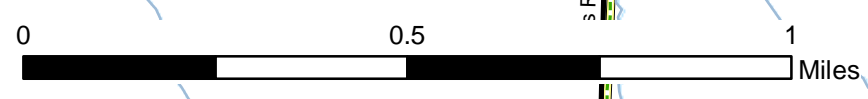
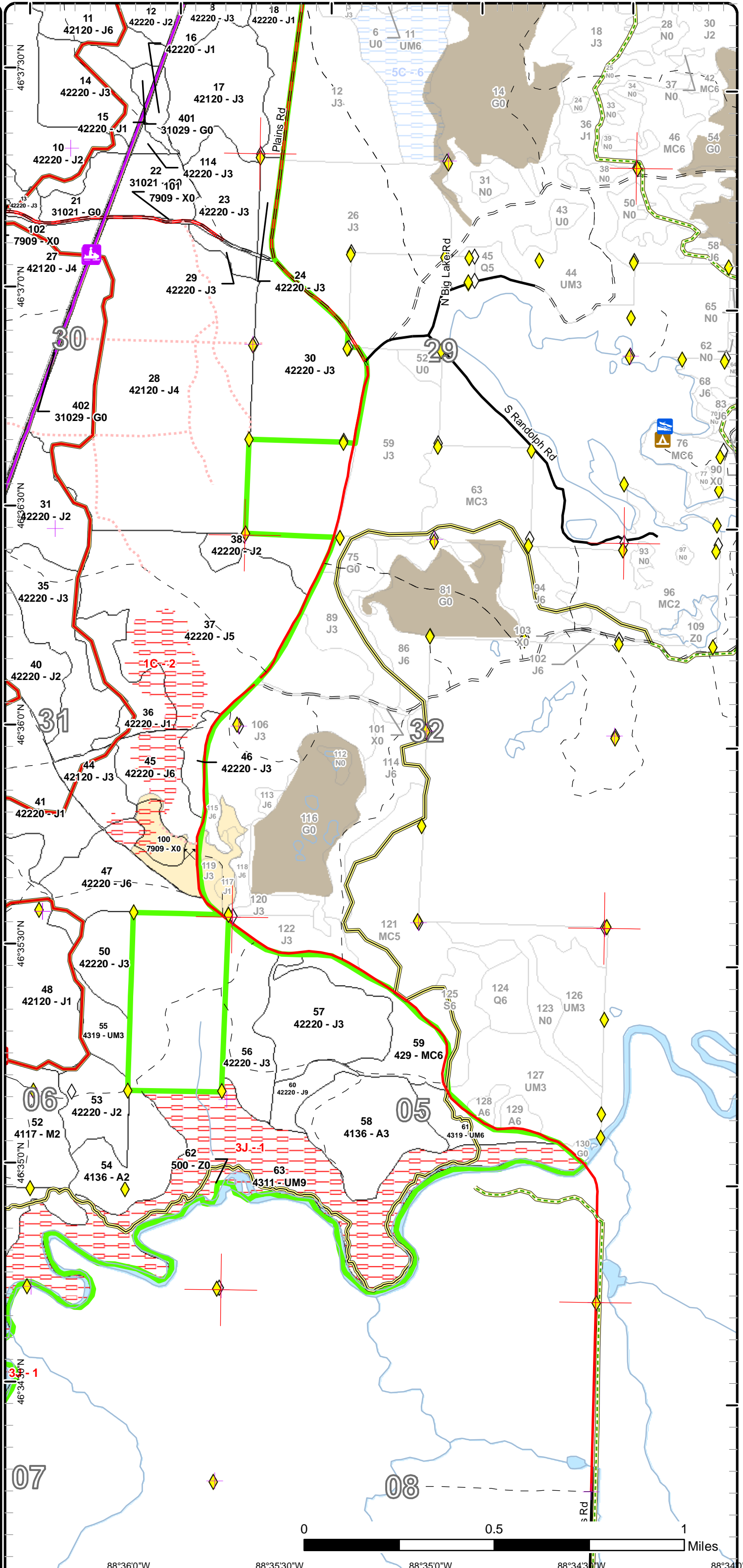
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Report 1 – Total Acres by Cover Type and Age Class



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
Aspen	0	129	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178
Bare/Sparsely Vegetated	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Herbaceous Openland	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Jack Pine	0	449	425	668	450	0	0	0	221	0	0	0	0	0	0	0	0	0	2213
Northern Hardwood	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115
Upland Conifers	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	28
Upland Mixed Forest	0	13	0	0	0	0	15	0	203	0	0	0	0	0	0	0	0	0	231
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	103	706	425	717	450	0	15	0	452	0	0	0	0	0	0	0	0	0	2868



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 12
Total Compartment Acres: 2,868

Commercial Harvest - 87
Harvests with Site Condition - 16
Next Step Harvest - 0
Habitat Cut - 53

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	221	0	0	0	0	0	0	0	0	221
Upland Conifers	28	0	0	0	0	0	0	0	0	28
Total	249	0	0	0	0	0	0	0	0	249

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	249	0	0	0	0	0	53	0	0	302
Next Step	0	249	0	0	0	0	0	0	0	249
Total	249	249	0	0	0	0	53	0	0	551



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
20	11012020-Other	14.8	31021 - Cool Season Grass	Nonstocked	0	Unspecified	Other	Other	4212 - Planted Jack Pine	Even-Aged	Proposal - Approval Pending Edits

Habitat Cut: Yes**Site Condition: None**

Prescription Cut the remaining clumps of scotch pine and eliminate them from the stand.

Specs:

Next Step

Treatments:

Acceptable Jack Pine. Planted 10/28/2010

Regen:

Other FTP will cover this. Possibly use as a training opportunity. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

21	11012021-Other	13.4	31021 - Cool Season Grass	Nonstocked	0	Unspecified	Other	Other	4212 - Planted Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: Yes**Site Condition: None**

Prescription Cut the remaining clumps of scotch pine and eliminate them from the stand.

Specs:

Next Step

Treatments:

Acceptable Jack Pine. Planted 10/28/2010

Regen:

Other Cut the remaining clumps of scotch pine and eliminate them from the stand. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

22	11012022-Other	20.0	31021 - Cool Season Grass	Nonstocked	0	Unspecified	Other	Other	4212 - Planted Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: Yes**Site Condition: None**

Prescription Cut the remaining clumps of scotch pine and eliminate them from the stand.

Specs:

Next Step

Treatments:

Acceptable Jack Pine. Planted in 10/28/2010

Regen:

Other FTP will cover this. Possibly use as a training opportunity. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

27	11012027-Other	5.0	42120 - Planted Jack Pine	Poletimber Poor	37	1-50	Other	Other	4212 - Planted Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: Yes**Site Condition: None**

Prescription Cut the row of planted scotch pine and eliminate them from the stand.

Specs:

Next Step

Treatments:

Acceptable Jack Pine

Regen:

Other FTP should cover this. Possibly use this as a training opportunity. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
32	11012032-Cut	9.9	42220 - Natural Jack Pine	Poletimber Well	77	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal - Approval Pending Edits

Habitat Cut: No **Site Condition:** None

Prescription Harvest all species down to 2" DBH. Retain White Pine and Red Pine if present. No Retention.

Specs: KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops.

Next Step Treatments:

Acceptable Regen: Jack Pine

Other Comment: Scarify after harvest is complete. Old next step comments:

Proposed Start Date: 10/1 /2016

37	11012037-Cut	125.7	42220 - Natural Jack Pine	Poletimber Medium	77	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No **Site Condition:** Other Dept./Div. Processes

Prescription Final Harvest all species down to 2" DBH except White Pine. Also retain Red Pine and Red Oak if present.

Specs: KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops.

Next Step Treatments:

Acceptable Regen: Jack Pine

Other Comment: Scarify after harvest is complete. Old next step comments:

Proposed Start Date: 10/1 /2016

45	11012045-Cut	36.0	42220 - Natural Jack Pine	Poletimber Well	77	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No **Site Condition:** Other Dept./Div. Processes

Prescription Harvest all species down to 2" DBH. Retain "White Pine, Red Pine and Red Oak if present.

Specs: KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops

Next Step Treatments:

Acceptable Regen: Jack Pine.

Other Comment: Scarify after harvest completion. Old next step comments:

Proposed Start Date: 10/1 /2016

47	11012047-Cut	38.2	42220 - Natural Jack Pine	Poletimber Well	77	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No **Site Condition:** None

Prescription Harvest all species down to 2" DBH. Retain White Pine, Red Pine and Red Oak if present.

Specs: KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops

Next Step Treatments:

Acceptable Regen: Jack Pine.

Other Comment: Scarify after harvest completion. Old next step comments:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
59	11012059-Cut	28.2	429 - Mixed Upland Conifers	Poletimber Well	77	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition: None**Prescription Harvest all species down to 2" DBH except Cedar, White Pine and Red Pine.Specs:
KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops.Next Step
Treatments:Acceptable Red Pine, White Pine, Jack Pine,
Regen: White Spruce, Black Spruce, Balsam Fir, White Birch, Red Maple, Aspen, Tamarack and Cedar in any combination.Other Scarify upland areas when harvest is complete. Old next step comments:
Comment:Proposed Start Date: 10/1 /2016

60	11012060-Cut	11.1	42220 - Natural Jack Pine	Sawtimber Well	77	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition: None**Prescription Harvest all species down to 2" DBH except White Pine and Red Pine. Also retain Cedar and Red Oak if present.Specs:
KW restriction has harvest operations to occur between October 1st to April 31st . No chipping of tops.Next Step
Treatments:Acceptable Mixed pine with Aspen, White Birch, Red Maple, White Spruce, Black Spruce and Balsam in any combination.
Regen:Other Scarify when harvest is completed. Old next step comments:
Comment:Proposed Start Date: 10/1 /2016

Total Treatment Acreage Proposed:	302.3
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Report 5 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat : Examiner

Compartment: 12
Year of Entry: 2017

Dominant Site Conditions

3J

Aspen	
Bare/Sparse Vegetated	
Herbaceous Openland	
Jack Pine	
Northern Hardwood	
Upland Conifers	
Upland Mixed Forest	203
Water	
Total Forested Acres	203
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)	203	2F: Too steep	1C: Other dept or div proc/practices	Unspecified	Unspecified
Comments:							
2	Unavailable	1C: Other dept or div proc/practices	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	1C: Other dept or div proc/practices	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.

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Baraga Mgt. Unit

Report 8 – Forested Stands

Compartment: 12
Year of Entry: 2017

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42120 - Planted Jack Pine	Sapling Well	77.5	28	Immature	Trenched, hand planted, some volunteer jack pine. Cut as part of "The Long Leap Jack Pine" 11-005-83-01
2	42220 - Natural Jack Pine	Sapling Well	14.4	24	Immature	SCARIFIED 1991 cut as part of "1930 Jack Pine" 11-009-90-01
3	42220 - Natural Jack Pine	Sapling Well	35.4	24	Immature	SCARIFIED 1991 Cut as part of "1930 Jack Pine" 11-009-90-01
4	42220 - Natural Jack Pine	Sapling Medium	23.0	7	Immature	Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008
5	42120 - Planted Jack Pine	Poletimber Well	46.1	29	Immature	HAND PLANTED BY INMATE CREW. Cut as part of "The Long Leap Jack Pine" 11-005-83-01.
6	42220 - Natural Jack Pine	Sapling Medium	6.8	7	Immature	Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008
7	42120 - Planted Jack Pine	Sapling Well	32.8	29	Immature	HAND PLANTED BY INMATE. Cut as part of "The Long Leap Jack Pine" 11-005-83-01.
8	42220 - Natural Jack Pine	Sapling Well	64.3	18	Immature	Cut as part of "Knee Deep Jack Pine" 11-006-97-01. Some larger diameter jack pine and aspen were left in the stand.
9	42220 - Natural Jack Pine	Sapling Medium	31.0	24	Immature	Scarified. Spotty regeneration. May fit description of jack pine barrens.
10	42220 - Natural Jack Pine	Sapling Medium	116.4	18	Immature	Scarified. Cut as part of "Short Timer Jack Pine" 11-005-97-01.
11	42120 - Planted Jack Pine	Poletimber Well	67.4	28	1-50	BRAKE SCALPED, INMATE HAND PLANTED. Cut as part of "The Long Leap Jack Pine" 11-005-83-01.
12	42220 - Natural Jack Pine	Sapling Medium	22.4	7	Immature	Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008
13	42220 - Natural Jack Pine	Sapling Well	40.5	18	Immature	Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.
14	42220 - Natural Jack Pine	Sapling Well	36.2	18	Immature	Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.
15	42220 - Natural Jack Pine	Sapling Poor	3.1	7	Immature	Cut as part of "One Short Pine" 11-006-07-01. FTP# C-11-216. scarified 4/7/2008
16	42220 - Natural Jack Pine	Sapling Poor	5.5	7	Immature	Cut 2007 as part of "One Short Pine" 11-006-07-01. Scarified in 2008.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42120 - Planted Jack Pine	Sapling Well	49.7	28	Immature	BRAKE SCALPED, INMATE HAND PLANTED. Cut as part of "The Long Leap Jack Pine" 11-005-83-01.
18	42220 - Natural Jack Pine	Sapling Poor	26.4	22	Immature	SCARIFIED 1993. Cut as part of "Sandhill Salvage" 11-019-91-01.
19	42220 - Natural Jack Pine	Sapling Poor	6.5	15	Immature	scarified. Cut as part of "Short Timer Jack Pine" 11-005-97-01.
23	42220 - Natural Jack Pine	Sapling Well	27.6	22	Immature	Cut as part of "Jack Pine Cut-Off" 11-014-91-01. SCARIFIED 1993
24	42220 - Natural Jack Pine	Sapling Well	7.9	24	Immature	regenerated by scarification before state acquired. Harvested just before the 1992 photos were taken. Acquired in 8/16/2000.
25	42220 - Natural Jack Pine	Sapling Medium	5.8	15	Immature	OPIC - FMD: scarified. Cut as part of "Short Timer Jack Pine" 11-005-97-01.
26	42120 - Planted Jack Pine	Sapling Medium	12.5	27	Immature	FIRE 1987, REPLANTED / FAILED, checked 2004 OK.
27	42120 - Planted Jack Pine	Poletimber Poor	205.4	37	1-50	PLANTATION. INITIAL HAND PLANT, MACHINE INTERPLANT. Scotch pine was planted in the stand in NE corner.
28	42120 - Planted Jack Pine	Poletimber Poor	244.2	37	1-50	HAND PLANTED SPRING 1978
29	42220 - Natural Jack Pine	Sapling Well	5.4	22	Immature	Cut as part of "Jack Pine Cut Off" 11-014-91-01. SCARIFIED 1993
30	42220 - Natural Jack Pine	Sapling Well	70.8	23	1-50	Harvested just before the 92 photos were taken. OPIC - FMD: regenerated by scarification before state acquired. Acquired in 2000.
31	42220 - Natural Jack Pine	Sapling Medium	34.0	15	Immature	Cut as part of "Criss Cross Jack Pine" 11-004-97-01. Scarified 2000. Cut 1999.
32	42220 - Natural Jack Pine	Poletimber Well	9.9	77	81-110	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	22.8	7	Immature	Cut in 2008 as part of "Cross Cris Pine" 11-007-07-01
34	42220 - Natural Jack Pine	Sapling Well	4.7	26	Immature	Cut as part of "Gas Line Jack Pine" 11-003-87-01. SCARIFIED 1989, C-11-134
35	42220 - Natural Jack Pine	Sapling Well	48.3	26	Immature	Cut as part of "Gas Line Jack Pine" 11-003-87-01. SCARIFIED 1989, C-11-134



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	42220 - Natural Jack Pine	Sapling Poor	26.7	7	Immature	Cut in 2008 as part of "Blue Bait Pine" 11-023-07-01.
37	42220 - Natural Jack Pine	Poletimber Medium	125.7	77	51-80	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.
38	42220 - Natural Jack Pine	Sapling Medium	18.2	22	Immature	Cut as part of "September Salvage" 11-004-92-01. SCARIFIED in 1993. Some larger diameter jack pine are present.
39	42220 - Natural Jack Pine	Sapling Well	30.8	15	Immature	Cut by John Vuk in the Fall/winter 1999 as part of "Criss Cross Jack Pine" 11-004-97-01. Scarified 2000.
40	42220 - Natural Jack Pine	Sapling Medium	40.7	15	Immature	Cut as part of "Criss Cross Jack Pine" 11-004-97-01. scarified in 2000. Some larger diameter jack pine are present in stand.
41	42220 - Natural Jack Pine	Sapling Poor	103.2	6	Immature	Cut in 2008 as part of "Cross Cris Pine" 11-007-07-01. Scarified.
42	42220 - Natural Jack Pine	Sapling Well	11.0	21	Immature	Cut in 1994 as part of "September Salvage" 11-004-92-01. Scarified using anchor chain drag.
43	42220 - Natural Jack Pine	Sapling Well	64.8	7	Immature	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.
44	42120 - Planted Jack Pine	Sapling Well	17.0	22	Immature	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.
45	42220 - Natural Jack Pine	Poletimber Well	36.0	77	51-80	MULTI-AGED, SOME 1938 ORIGIN. Stand is in decline, final harvest to reestablish jack pine.
46	42220 - Natural Jack Pine	Sapling Well	9.9	21	Immature	Cut as part of "September Salvage" 11-004-92-01. SCARIFIED in 1994. Some larger diameter Jack Pine are present.
47	42220 - Natural Jack Pine	Poletimber Well	38.2	77	51-80	Semi open, two age, older trees are probably 50 yrs. Some 1938 Jack Pine in the stand. Stand is in decline, final harvest to reestablish Jack Pine.
48	42120 - Planted Jack Pine	Sapling Poor	108.6	7	Immature	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.
49	42220 - Natural Jack Pine	Sapling Poor	37.8	7	Immature	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	42220 - Natural Jack Pine	Sapling Well	20.8	25	Immature	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED 1990
51	4110 - Sugar Maple Association	Sapling Medium	50.3	7	Immature	Cut as part of "Buck Rub Jack Pine" 11-003-97-01. Scarified in 1999. Burnt over in the "Baraga Bump Fire" in 2007.
52	4117 - Mixed N. Hardwood - Pine	Sapling Medium	64.8	7	Immature	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED in 1990. Burnt over in the "Baraga Bump Fire" in 2007.
53	42220 - Natural Jack Pine	Sapling Medium	23.9	7	Immature	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.
54	4136 - Aspen, Mixed Conifer	Sapling Medium	129.3	7	Immature	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.
55	4319 - Mixed Upland Forest	Sapling Well	13.5	7	Immature	Cut as part of "Crazy Raven Jack Pine" 11-004-87-01. SCARIFIED in 1990. Burnt over in the "Baraga Bump Fire" in 2007.
56	42220 - Natural Jack Pine	Sapling Well	33.3	29	Immature	Acquired from Wisconsin Electric on 12/19/2008.
57	42220 - Natural Jack Pine	Sapling Well	47.1	16	Immature	Acquired from Wisconsin Electric on 12/19/2008.
58	4136 - Aspen, Mixed Conifer	Sapling Well	49.4	21	Immature	Acquired from Wisconsin Electric on 12/19/2008.
59	429 - Mixed Upland Conifers	Poletimber Well	28.2	77	81-110	Acquired from Wisconsin Electric on 12/19/2008. Drainage on east side of the stand may need to be excluded from the sale.
60	42220 - Natural Jack Pine	Sawtimber Well	11.1	77	81-110	Acquired from Wisconsin Electric on 12/19/2008.
61	4319 - Mixed Upland Forest	Poletimber Well	14.6	59	51-80	Acquired from Wisconsin Electric on 12/19/2008. Several drainages in stand. NCT runs through the stand.
63	4311 - Pine, Aspen Mix	Sawtimber Well	202.6	77	81-110	Acquired from Wisconsin Electric on 12/19/2008. Riparian Corridor to the Sturgeon River with very steep slopes.
114	42220 - Natural Jack Pine	Sapling Well	2.5	18	Immature	Cut in 1996 by Francis Youngren as part of "1930 Jack Pine" 11-009-90-01. Scarified in 1997.



Stand	Cover Type	Acres	Managed Site	General Comments:
20	31021 - Cool Season Grass	14.8		Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010.
21	31021 - Cool Season Grass	13.4		Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010.
22	31021 - Cool Season Grass	20.0		Cut as part of "Scotch Pine" 11-022-07-01. TCR 7/31/2009. FTP C-11-221. Planted 10/28/2010.
62	500 - Water	19.2	No	Sturgeon River.
100	7909 - Nonstocked (OI)	8.8	No	OPIC - FMD: SAND PIT under lease to Baraga County Road Commission
101	7909 - Nonstocked (OI)	5.3	No	Gorge Cutoff Road. COUNTY ROADS
102	7909 - Nonstocked (OI)	1.3	No	OPIC - FMD: ORV trail head / parking lot
401	31029 - Grass (OI)	7.9	Yes	OPIC - FMD: NATURAL GAS PIPELINE R-O-W, GRASS OPENING, used as snowmobile trail in winter.
402	31029 - Grass (OI)	12.6	No	OPIC - FMD: NATURAL GAS PIPELINE R-O-W, GRASS OPENING, used as snowmobile trail in winter.