



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11011

Entry Year 2024

Acreage: 3,362

County Baraga

Management Area: Keweenaw Bay

Stand Examiner: Shaun Sullivan

Legal Description:

T49N R34W Sec 16, 17, 20, 21, 22, 27, 28, 29, 31, 32, 33; T48N R34W Sec 2, 5

Identified Planning Goals:

Baraga Plains.

To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs.

Soil and topography:

The compartment is level to rolling. There are numerous small potholes to the south. Soils are Grayling sand, Kinross muck, Croswell sand, Kallio cobbly silt loam, and Arnheim mucky silt loam.

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

The area around Big Lake is developed summer homes, with small private ownerships to the south and east. The lands to the north and west are in public ownership.

Unique Natural Features:

The Sturgeon River borders the south of the compartment and Big Lake is part of the compartment.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

A series of fields and surrounding land within the compartment are designated for waterfowl management. Big Lake State Forest Campground is in the compartment.

Watershed and Fisheries Considerations:

Big Lake is shallow, reflecting low ground water.

Wildlife Habitat Considerations:

Compartment 11 is found within the Baraga Plains Management Area. This area is an outwash plain located in west central Baraga County which is dominant by barrens and dry northern forests. Major forest cover types include Jack Pine, Aspen and Grass Openings. The Baraga Plains management area provides a unique opportunity within the Western Upper Peninsula due to the size and spatial arrangement of compartments within the management area and adjacency to USFS ownership within a single outwash plain system. By using management strategies that closely mimic natural fire disturbance regimes this area provides some of the best opportunities for managing for Kirtland's Warbler in the Western Upper Peninsula. It also contains large wildlife openings that are actively managed for Canada geese by regular mowing and planting prescriptions.

Managing for mature stands of short-needled conifers is also a priority, in this MA and is beneficial for Spruce Grouse a featured species and in turn black-backed woodpeckers which have similar habitat requirements. Black-backed woodpeckers are a species of special concern which specialize in eating insect larvae in rotted trees.

The following have been identified, as featured species for the Baraga Plains Management Area: Black Bear, Canada Goose, Eastern Bluebird, Kirtland's Warbler, and Spruce Grouse.

Mineral Resource and Development Concerns and/or Restrictions

The State-owned Baraga Plains sand & gravel pit is in Sec 31, just outside the compartment. The pit is not currently under lease but is still open. In addition, other former and existing sand/gravel pits occur in the area. There is potential for sand within the compartment on the uplands. Potential for metallic and critical minerals in this area is not well known. The Michigamme Formation, which underlies the compartment, has been broadly identified as having potential for both, but there has been limited documented mineral exploration or detailed mapping in this vicinity. No active State mineral leases or nominations exist in the area, but parts of the compartment have been leased before. 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.

Vehicle Access:

Most of this compartment is accessible from established road systems.

Survey Needs:

Survey work will be needed to facilitate timber harvest activities.

Recreational Facilities and Opportunities:

Big Lake State Forest Campground. Part of the North Country hiking trail and part of the Baraga Plains ORV trail cross the compartment.

Fire Protection:

There is a higher potential for wildfire in this compartment than many others. There is an urban interface with the camps around Big Lake being surrounded by jack pine forest types.

Additional Compartment Information:

The following reports from the Inventory are attached:

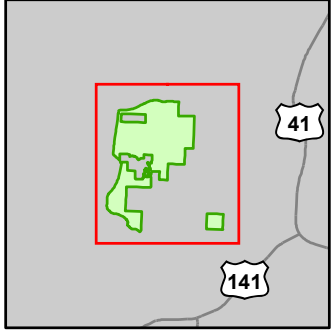
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

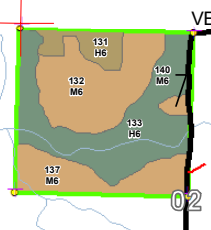
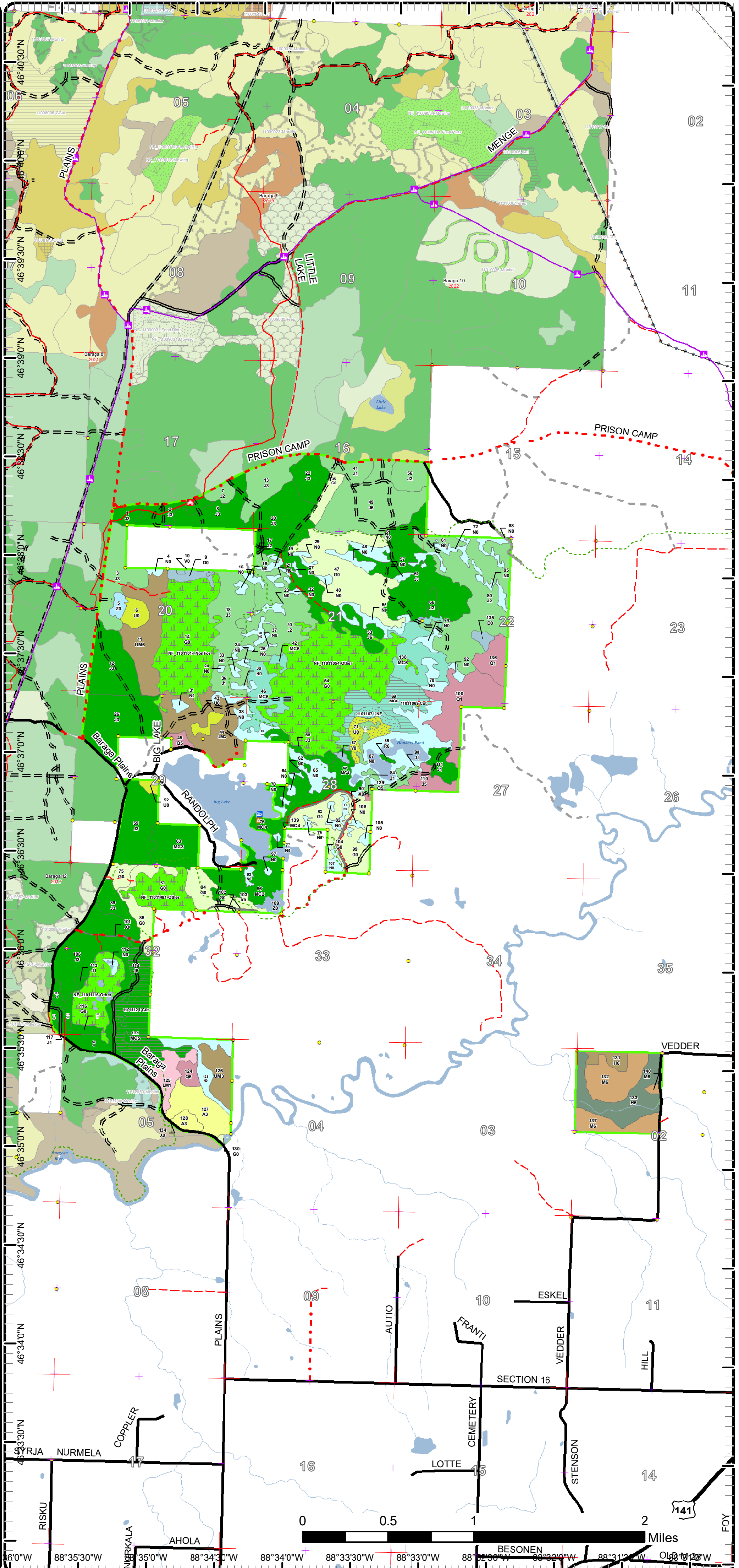
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11
 T49N, R34W, Sec. 16, 17, 20-22,
 27-29, 31-33
 County: Baraga
 Unit: Baraga
 Mgmt Area: Baraga Plains
 YOE: 2024
 Acres: 3362.5 GIS Calculated
 Examiner: Shaun Sullivan
 Map Revised: 1/6/2023
 Map Phase: Post Review



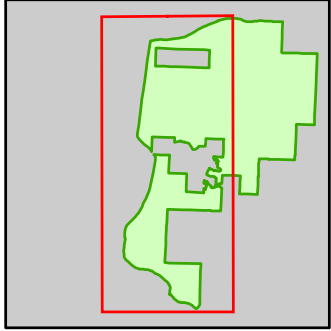
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- + Remonumented Section Corners
- Survey Grade Corners
- Counties
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- == DNR - Forest Access Route
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- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Boating Access Site
- Campground
- Pipeline
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Mowing
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



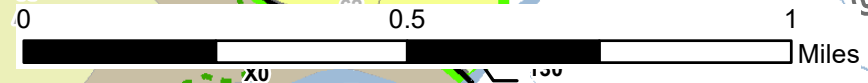
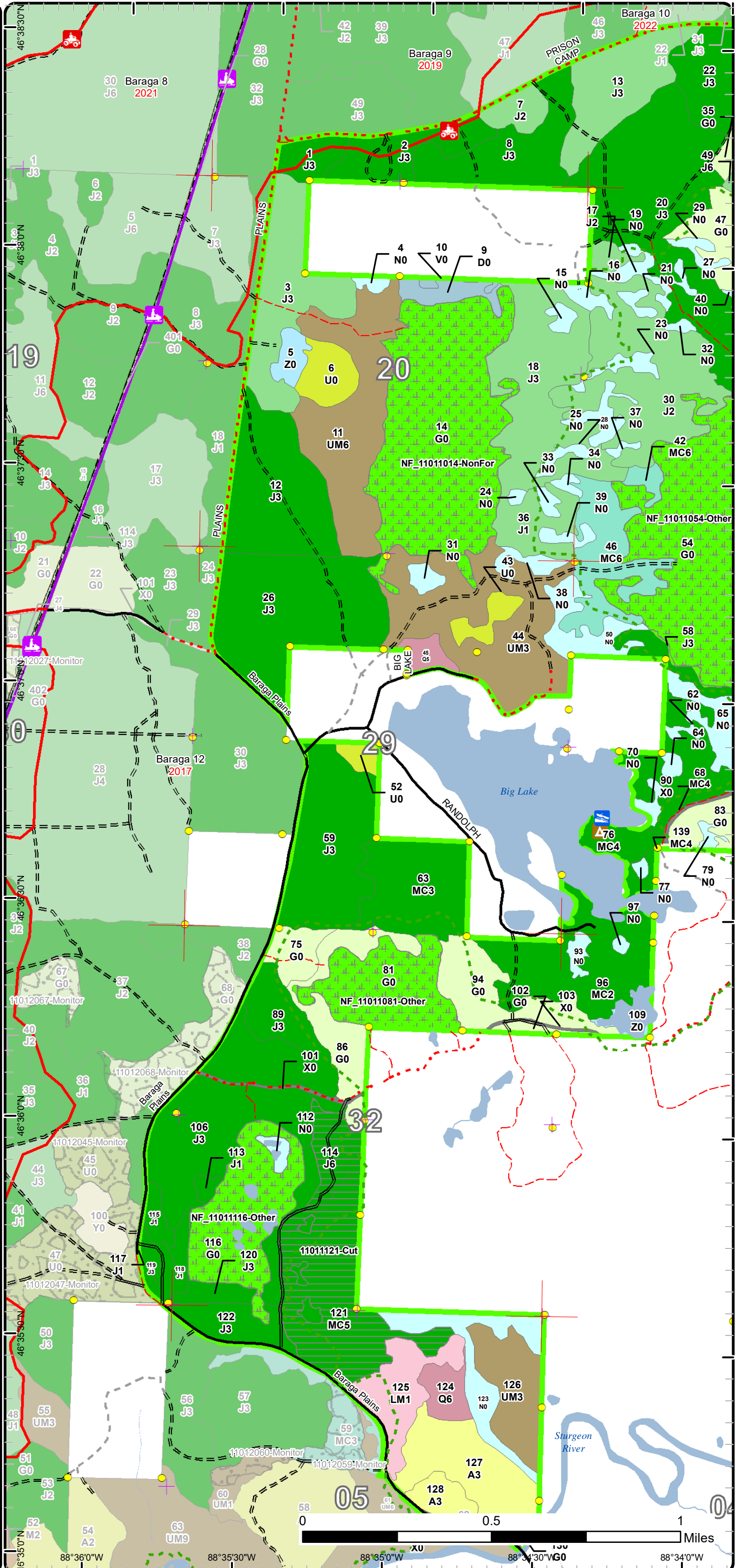
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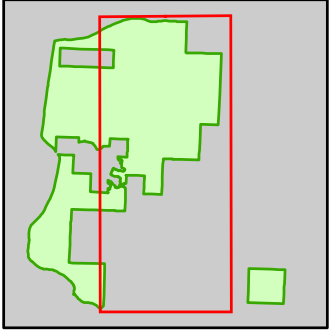
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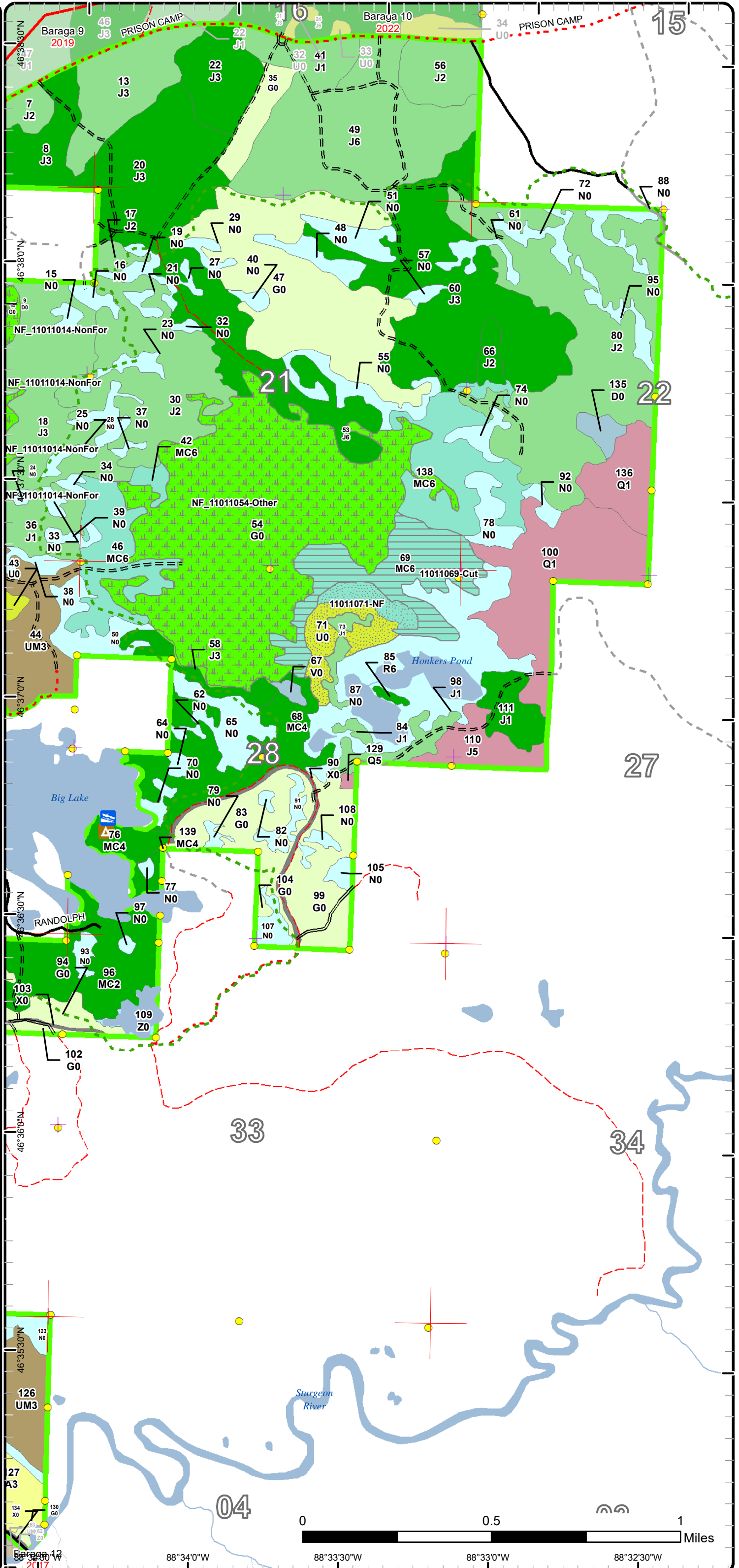
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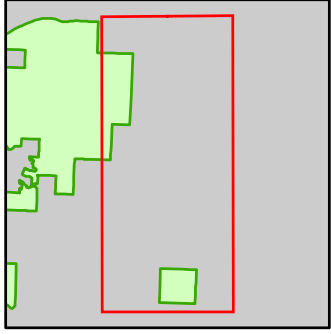


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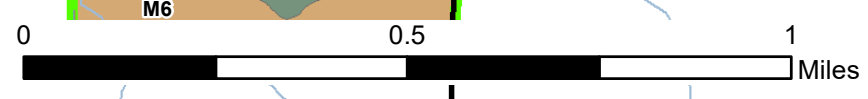
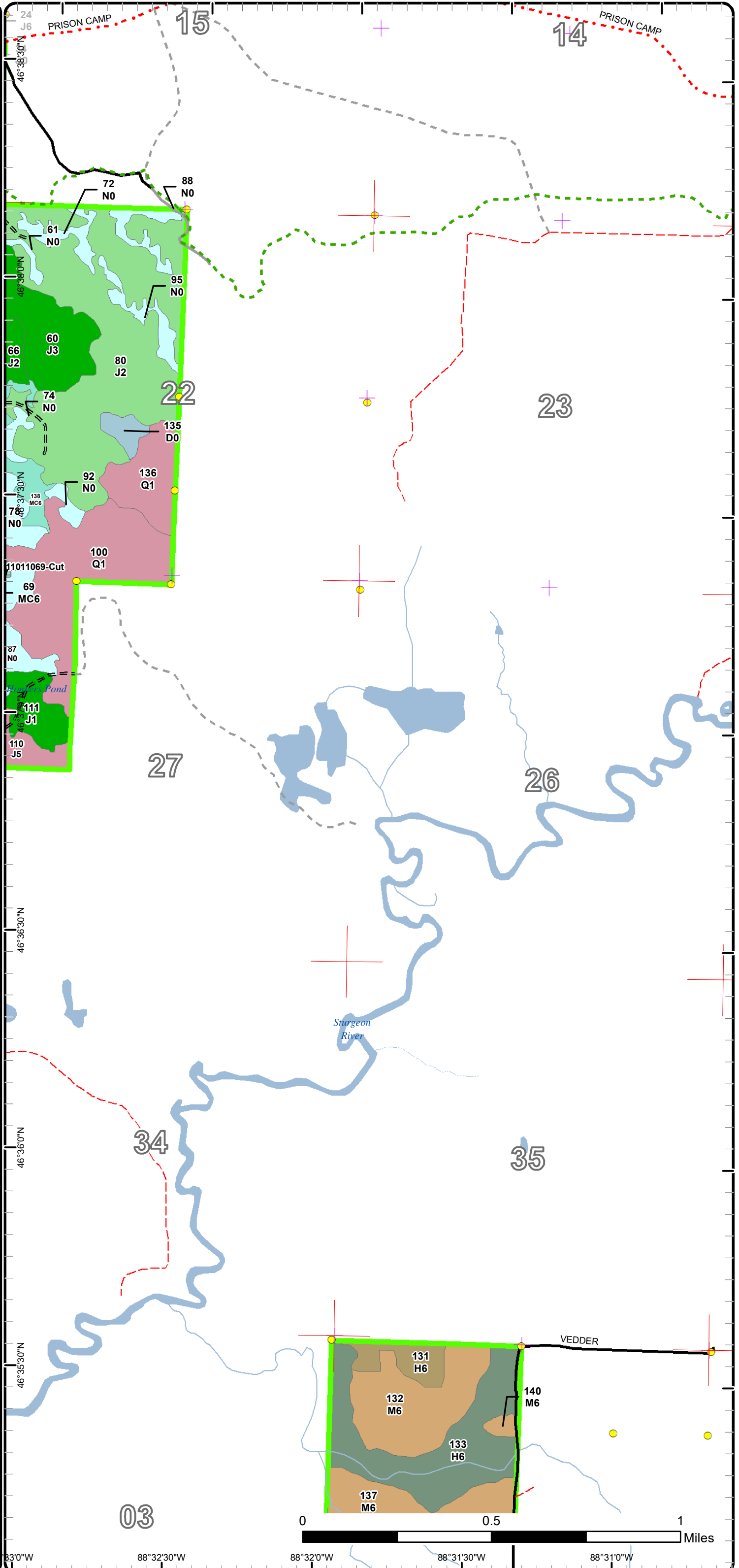


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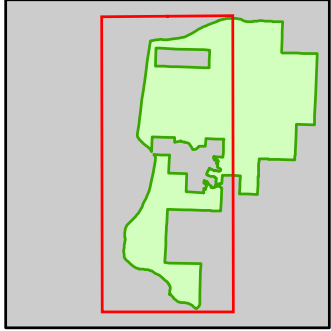
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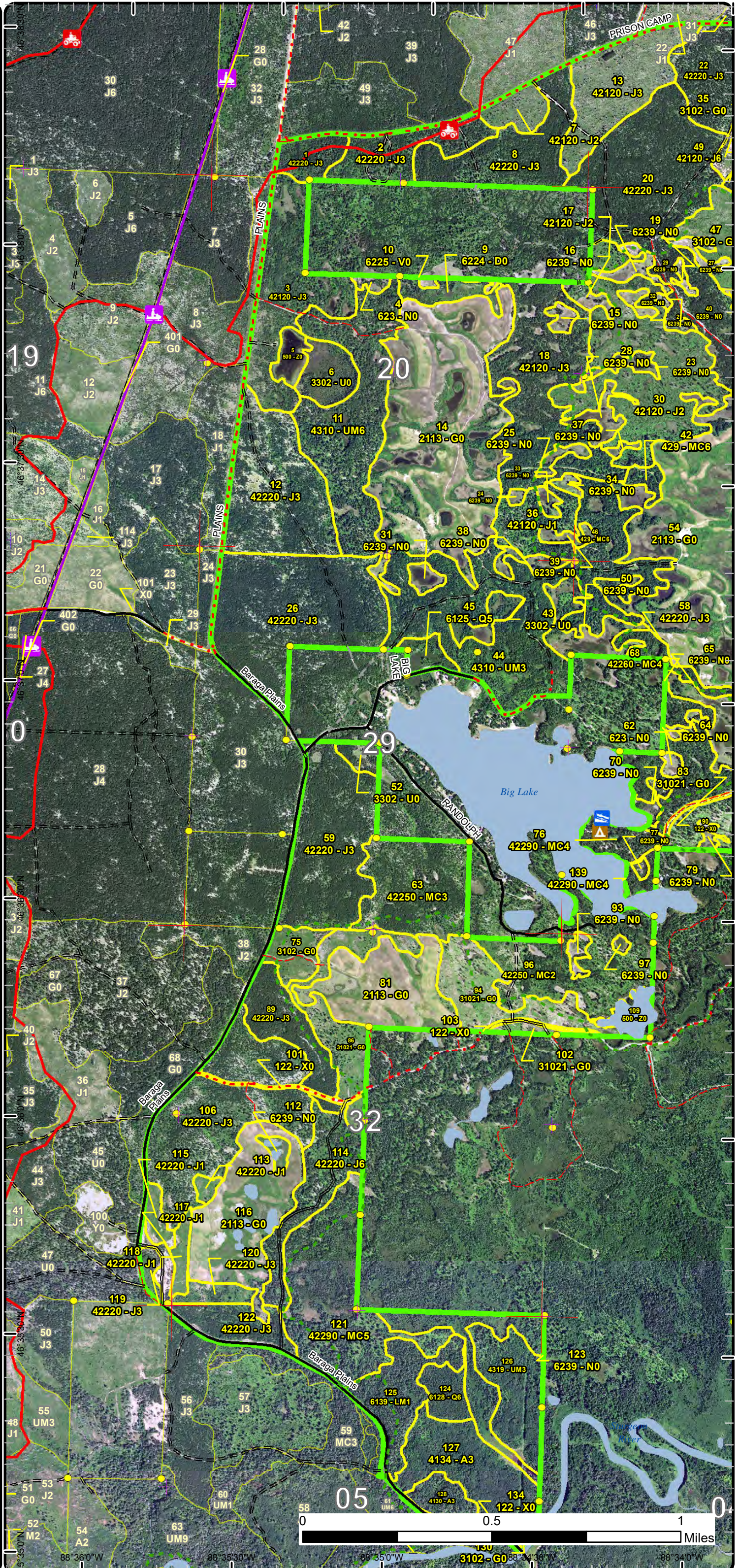
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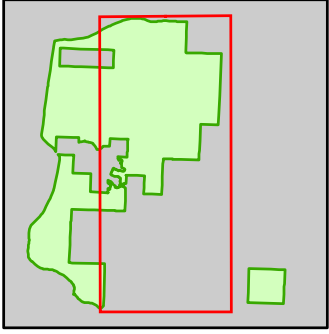


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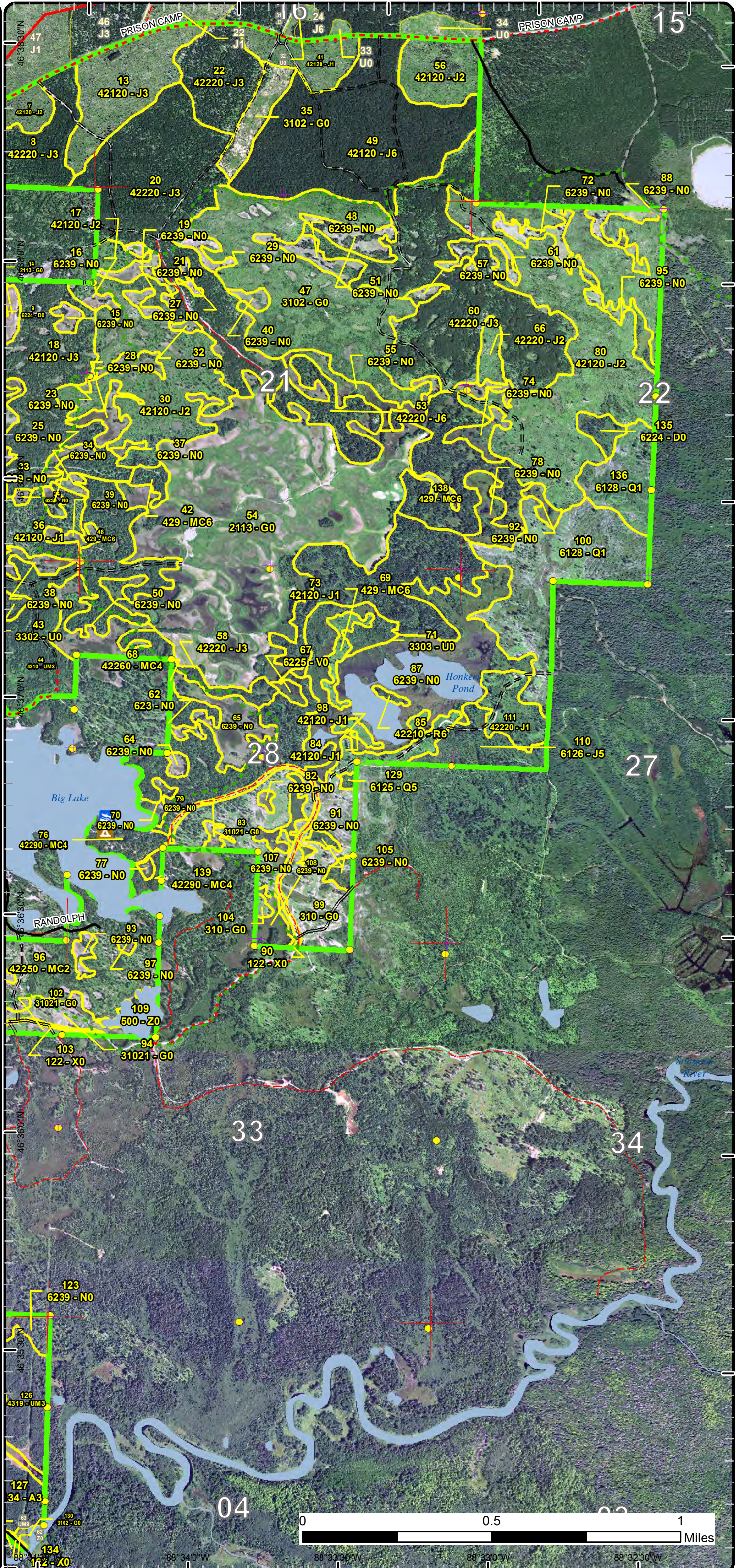


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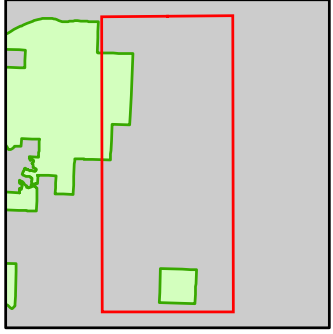
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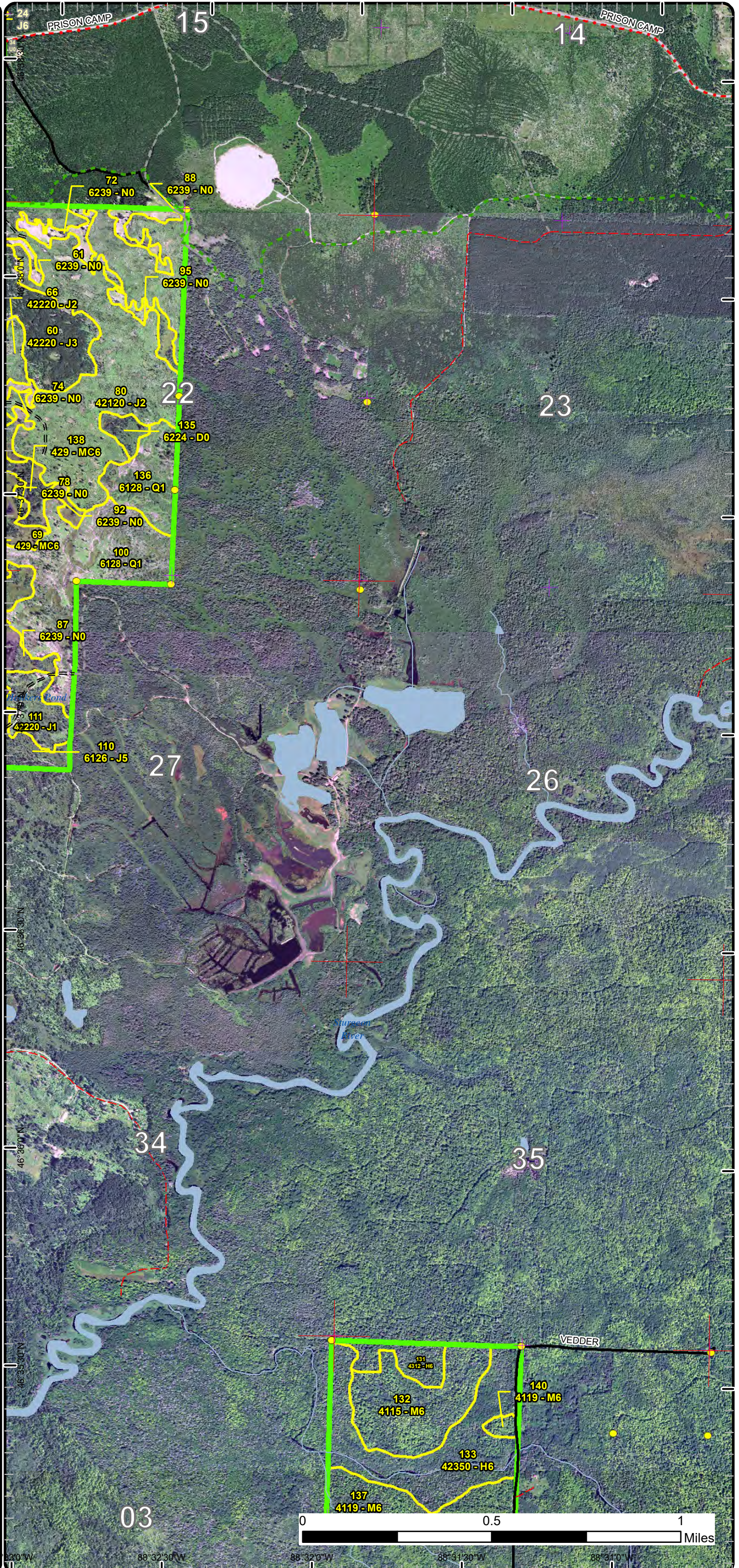
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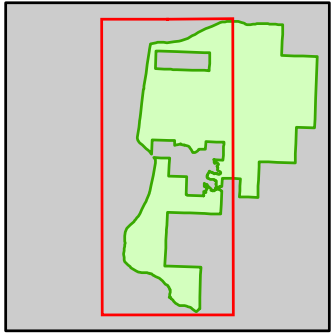


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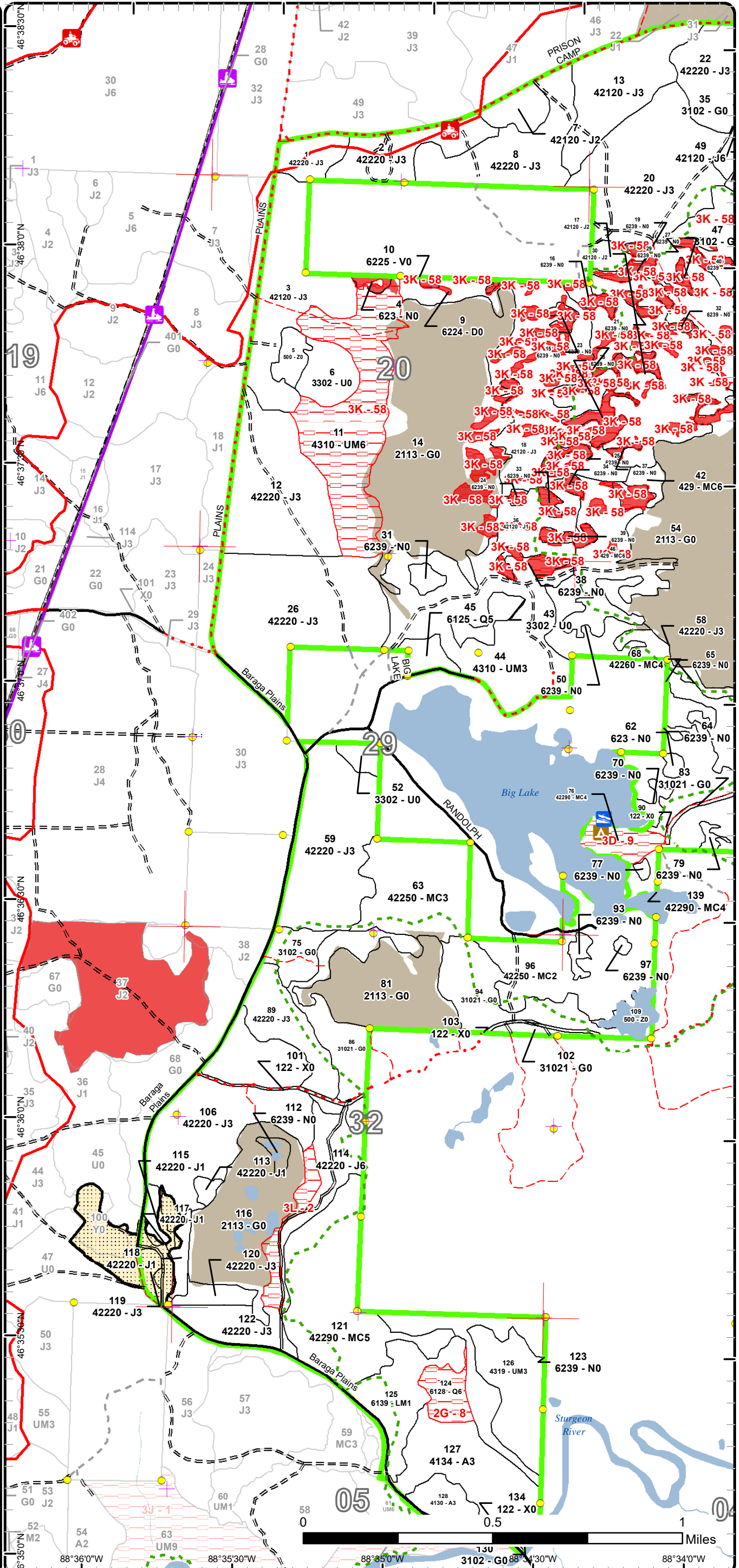


Special Conservation Areas

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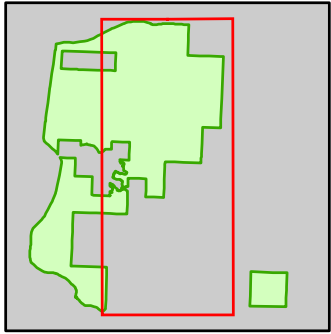


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- Pipeline
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3K: Rare or unique landforms
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- Sand or Gravel Pit

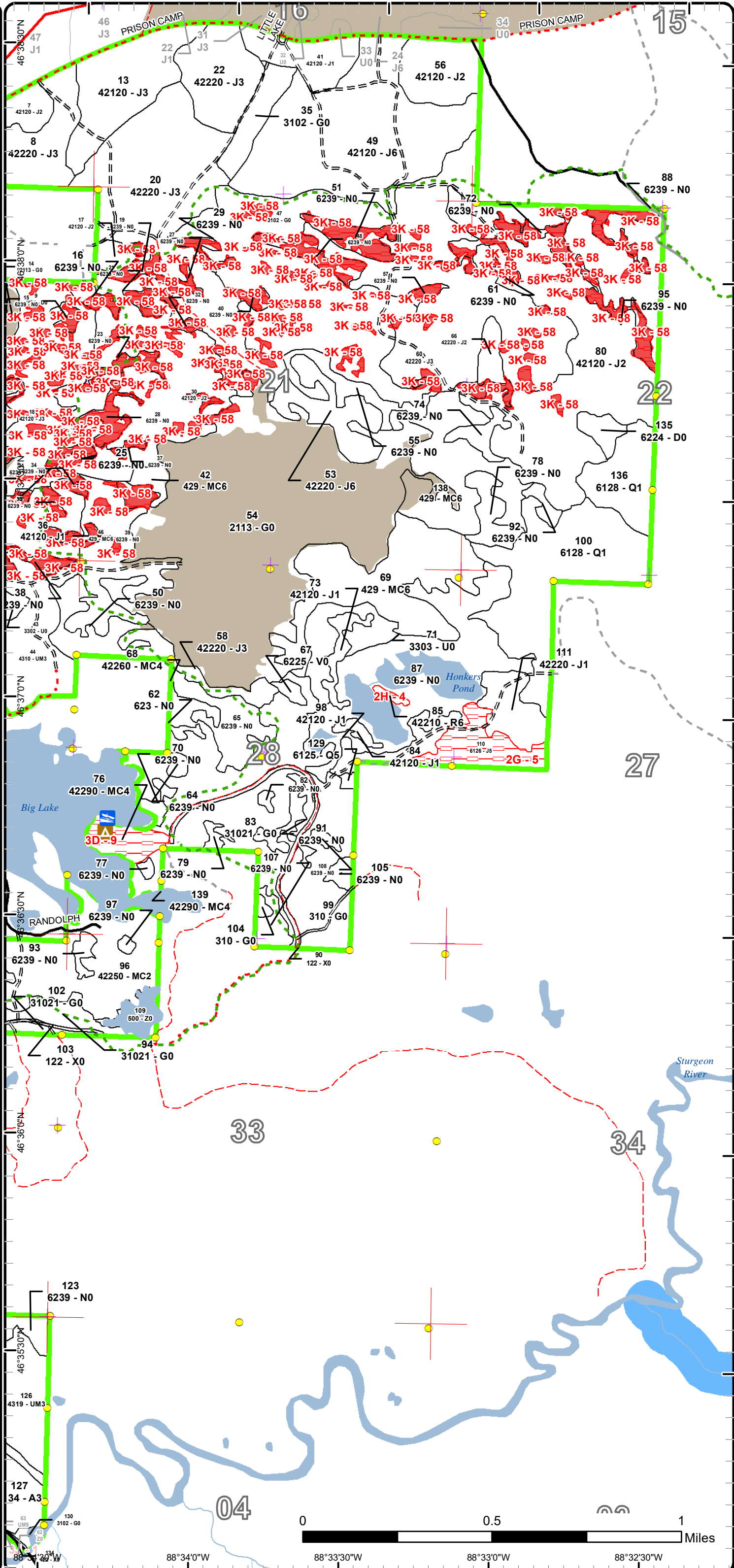


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- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3K: Rare or unique landforms
- Stand Boundaries
- Ecological Reference Areas
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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	9	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cropland	463	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	463
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	75
Herbaceous Openland	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262
Jack Pine	0	24	369	296	569	40	0	30	0	19	0	0	0	0	0	0	0	0	1346
Low-Density Trees	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Conifers	0	92	0	0	0	8	0	0	0	0	0	10	0	0	0	0	0	0	110
Lowland Mixed Forest	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Marsh	309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309
Natural Mixed Pines	0	0	0	56	44	0	0	0	0	67	66	0	0	0	0	0	0	0	233
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	77
Red Pine	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Treed Bog	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	0	39	0	0	0	0	106	0	0	0	0	0	0	0	145
Upland Mixed Forest	0	0	0	29	78	0	0	0	0	69	0	0	0	0	0	0	0	0	176
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Total	1122	153	369	422	691	87	0	30	0	155	173	10	0	0	0	0	0	152	3362



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 11

Total Compartment Acres: 3,362

Commercial Harvest - 134
 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
Natural Mixed Pines	83	0	0	0	0	0	0	0	0	83
Upland Conifers	51	0	0	0	0	0	0	0	0	51
Total	134	0	0	0	0	0	0	0	0	134

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	134	0	0	0	0	0	0	0	488	623
Next Step	0	134	0	0	0	0	161	0	54	349
Total	134	134	0	0	0	0	161	0	542	972



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

69	11011069-Cut	51.0	429 - Mixed Upland Conifers	Poetimber Well	92	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final Harvest all species down to 2" DBH except White Pine, Red Pine and cedar. <u>Specs:</u> <u>Next Step</u> ; SitePrep, Scarification; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest. <u>Other Comment:</u> Oak may be left depending on quality and quantity. Decision will be made during field prep stages. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
71	11011071-NF	26.8	3303 - Mixed Low Density Trees	Nonstocked			Unspec ified NonForestMgt	Mowing	3203 - Upland Blueberry		No
<p><u>Prescription</u> mowing during the growing season. <u>Specs:</u> <u>Next Step</u> Monitoring, Other - Specify; NonForestMgt, Mowing; NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2013</p>											
121	11011121-Cut	83.3	42290 - Natural Mixed Pine	Poetimber Medium	84	111-140	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final Harvest all species down to 2" DBH except White Pine, red pine and cedar. Leave 100' buffer or so along field edge. Using the road for <u>Specs:</u> for the most part going north off Plains Road will suffice wildlifes 100' buffer. North country trail crosses through south end of sale (stand 121) <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest. <u>Other Comment:</u> Add spec 5.2.40 to the sale: The North Country Trail is a hiking trail and is shown on the Timber Sale Map. Do not cut any trees with blue pathway markers. Care shall be taken to keep the pathway debris free. Do not run equipment down the pathway. Add to the comment to sign both ends of the trail to warn of logging activity. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</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
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14	NF_11011014-NonFor	134.7	2113 - Forage Crops	Nonstocked		Unspecified	NonForestMgt	Other - Specify	31021 - Cool Season Grass	No
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 12/30/1899

54	NF_11011054-Other	229.7	2113 - Forage Crops	Nonstocked		Unspecified	NonForestMgt	Other - Specify	31021 - Cool Season Grass	Unspecified	No
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 12/30/1899

81	NF_11011081-Other	43.6	2113 - Forage Crops	Nonstocked		Unspecified	NonForestMgt	Other - Specify	31021 - Cool Season Grass	Unspecified	No
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Prescription This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 12/30/1899



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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	
116 NF_11011116-Other	53.4	2113 - Forage Crops	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	31021 - Cool Season Grass	Unspecified	No
<p><u>Prescription</u> This opening is maintained each year to provide goose hunting opportunities for the citizens of Michigan. Wildlife staff maintains this opening by mowing the fields each fall and cutting encroaching brush and planting 5 to 10 acres of rye in each opening. In the spring this rye is plowed into the soil and a hay seed mix with the addition barley and oats is added to these openings.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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> 12/30/1899</p>											

Total Treatment Acreage Proposed: 622.5

Report 4 – Site Conditions

Baraga Mgt. Unit
Shaun Sullivan : Examiner

Compartment: 11
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
50	50	0	0
2	2	0	0
463	446	0	16
75	33	13	30
262	255	0	7
1256	1201	0	55
43	43	0	0
110	100	0	10
28	28	0	0
285	229	0	56
232	221	0	12
77	76	0	1
1	0	0	1
15	14	0	1
146	141	0	4
176	107	0	69
12	12	0	0
14	14	0	0
3,247	2,972	13	262
	92%	0%	8%

Dominant Site Conditions

	Dominant Site Conditions						
	5C	2G	2H	3D	3J	3K	3L
Aspen							
Bog							
Cropland						16	
Hemlock	13				30		
Herbaceous Openland						7	
Jack Pine		19				26	10
Low-Density Trees							
Lowland Conifers		10					
Lowland Mixed Forest							
Marsh		0				56	
Natural Mixed Pines				12			
Northern Hardwood					1		
Red Pine			1				
Treed Bog						1	
Upland Conifers						4	
Upland Mixed Forest						69	
Urban					0		
Water						0	
Total Forested Acres	13	29	1	12	30	180	10
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)	18	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Shaun Sullivan : Examiner

Compartment: 11
Year of Entry: 2024

2	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife asked to leave buffer along field edge to limit access (need to look at closing road) and as a wildlife corridor. If road is closed, will be scarified.							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Selection cut last rotation.							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Look at possible harvest at next inventory. Higher cedar component and wet, leave stand as is for wildlife.							

Report 4 – Site Conditions

Baraga Mgt. Unit
Shaun Sullivan : Examiner

Compartment: 11
Year of Entry: 2024

9	Unavailable	3D: Recreational / Scenic values	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Separated the footprint of Big Lake State Forest Campground at request of Ben Travis on 2/25/2022.							
58	Unavailable	3K: Rare or unique landforms	204	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Baraga Plains Intermittent Wetland ERA.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water 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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
1	42220 - Natural Jack Pine	Sapling Well	11.6	31	1-50	N/A	1/12/22 - stand looked at in field.																																			
<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>Black Spruce</td> <td>3</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>90</td> <td>Sapling/Pole</td> <td>4</td> <td>31</td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>3</td> <td>31</td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	3	Sapling	3		White Pine	2	Pole	7		Jack Pine	90	Sapling/Pole	4	31	Black Cherry	1	Sapling	1		Paper Birch	2	Sapling	3	31	Quaking Aspen	2	Sapling/Pole	4	
Canopy Species	% Cover	Size Class	DBH	Age																																						
Black Spruce	3	Sapling	3																																							
White Pine	2	Pole	7																																							
Jack Pine	90	Sapling/Pole	4	31																																						
Black Cherry	1	Sapling	1																																							
Paper Birch	2	Sapling	3	31																																						
Quaking Aspen	2	Sapling/Pole	4																																							
2	42220 - Natural Jack Pine	Sapling Well	25.4	39	1-50	N/A	1/12/22 - stand looked at in field.																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																						
Red Oak	5	Sapling	3																																							
Jack Pine	94	Sapling/Pole	4	39																																						
Paper Birch	1	Sapling	2																																							
3	42120 - Planted Jack Pine	Sapling Well	50.4	26	Unspecified	N/A	1/12/22 - Stand was looked at in the field.																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	85	Sapling/Pole	3	26																																						
Red Pine	3	Sapling	3																																							
Red Oak	2	Pole/Log	9																																							
Red Oak	3	Sapling	1																																							
Paper Birch	2	Sapling	2																																							
Quaking Aspen	5	Sapling/Pole	3																																							
4	623 - Emergent Wetland	Nonstocked	2.3		Unspecified	No																																				
5	500 - Water	Nonstocked	6.6		Unspecified	No																																				
6	3302 - Low Density Conifer Trees	Nonstocked	13.7		Unspecified	No																																				
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	5 - 10 feet	Sapling																											
Sub-Canopy Species	Density	Avg. Height	Size																																							
Black Spruce	Low	5 - 10 feet	Sapling																																							
7	42120 - Planted Jack Pine	Sapling Medium	9.9	17	Unspecified	N/A	1/12/22 - looked at in field.																																			
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Jack Pine	90	Sapling	1	17																																						
Red Oak	3	Sapling	1	17																																						
White Pine	2	Sapling	1	17																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	42220 - Natural Jack Pine	Sapling Well	39.7	28	Unspecified	N/A	1/12/22 - looked at in field.															
<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>Red Oak</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>98</td> <td>Sapling/Pole</td> <td>4</td> <td>28</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	2	Sapling	2		Jack Pine	98	Sapling/Pole	4	28
Canopy Species	% Cover	Size Class	DBH	Age																		
Red Oak	2	Sapling	2																			
Jack Pine	98	Sapling/Pole	4	28																		

9	6224 - Treed Bog	Nonstocked	8.9		Unspecified	No																					
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td></td> <td>Pole</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Trace		Pole	Black Spruce	Trace		Sapling	Red Oak	Medium		Pole	Red Pine	Trace		Pole
Sub-Canopy Species	Density	Avg. Height	Size																								
Jack Pine	Trace		Pole																								
Black Spruce	Trace		Sapling																								
Red Oak	Medium		Pole																								
Red Pine	Trace		Pole																								

10	6225 - Bog	Nonstocked	1.7		Unspecified	No	
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11	4310 - Pine, Oak Mix	Poletimber Well	68.8	89	51-80	N/A	No issues with holding on another 10 years, stand is healthy, no immediate risks.																																															
<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>Paper Birch</td> <td>1</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>50</td> <td>Pole</td> <td>8</td> <td>89</td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>4</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>25</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>Full</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Full</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	1	Sapling/Pole	4		Red Oak	50	Pole	8	89	Quaking Aspen	5	Sapling/Pole	4		White Pine	4	Log	12		Red Pine	15	Log/Pole	10		Jack Pine	25	Pole	6		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Full	10 - 20 feet	Sapling	Jack Pine	Full	10 - 20 feet	Sapling
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Red Oak	Full	10 - 20 feet	Sapling																																																			
Jack Pine	Full	10 - 20 feet	Sapling																																																			

12	42220 - Natural Jack Pine	Sapling Well	58.7	31	Unspecified	N/A																
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Oak	2	Sapling	2	31																		
Jack Pine	98	Sapling	3	31																		

13	42120 - Planted Jack Pine	Sapling Well	40.4	17	Unspecified	N/A	1/12/22 - looked at in the field.																																								
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Canopy Species	% Cover	Size Class	DBH	Age																																											
White Pine	1	Sapling	2																																												
Red Pine	2	Pole	5																																												
Red Pine	3	XLog	18																																												
Jack Pine	87	Sapling	2	17																																											
Red Oak	3	Sapling	1																																												
Paper Birch	3	Pole	6																																												
Black Cherry	1	Sapling	1																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
14	2113 - Forage Crops	Nonstocked	134.7		Unspecified	Managed Opening						
							Sub-Canopy Species	Density	Avg. Height	Size		
							Red Oak	Low	10 - 20 feet	Sapling		
							Quaking Aspen	Low	10 - 20 feet	Sapling		
							Black Cherry	Low	< 5 feet	Sapling		
							Black Spruce	Low	< 5 feet	Sapling		
Red Maple	Low	5 - 10 feet	Sapling									
15	6239 - Mixed Emergent Wetland	Nonstocked	2.7		Unspecified	No						
16	6239 - Mixed Emergent Wetland	Nonstocked	3.9		Unspecified	No						
17	42120 - Planted Jack Pine	Sapling Medium	4.7	17	Unspecified	N/A						
							Canopy Species	% Cover	Size Class	DBH	Age	
							Jack Pine	90	Sapling	1	17	
							White Pine	2	Sapling	1		
							Paper Birch	2	Sapling	1		
							Red Maple	2	Sapling	1		
Red Oak	4	Sapling	1									
18	42120 - Planted Jack Pine	Sapling Well	68.8	31	Unspecified	N/A						
							Canopy Species	% Cover	Size Class	DBH	Age	
							White Pine	3	Pole	8		
							Black Spruce	10	Sapling	3		
							Red Pine	2	Pole	8		
							Jack Pine	85	Pole/Sapling	5	31	
19	6239 - Mixed Emergent Wetland	Nonstocked	6.1		Unspecified	No						
20	42220 - Natural Jack Pine	Sapling Well	102.8	30	Unspecified	N/A	1/12/22 - looked at in the field.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Oak	1	Sapling	1	
Jack Pine	99	Sapling/Pole	4	30								
21	6239 - Mixed Emergent Wetland	Nonstocked	2.3		Unspecified	No						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
22	42220 - Natural Jack Pine	Sapling Well	29.0	31	Unspecified	N/A	1/12/22 - looked at in the field.																																													
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Jack Pine	100	Sapling/Pole	4	31																																																
23	6239 - Mixed Emergent Wetland	Nonstocked	4.4		Unspecified	No																																														
24	6239 - Mixed Emergent Wetland	Nonstocked	1.1		Unspecified	No																																														
25	6239 - Mixed Emergent Wetland	Nonstocked	3.0		Unspecified	No																																														
26	42220 - Natural Jack Pine	Sapling Well	82.9	39	1-50	N/A	1/12/22 - looked at in the field.																																													
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27	6239 - Mixed Emergent Wetland	Nonstocked	1.5		Unspecified	No																																														
28	6239 - Mixed Emergent Wetland	Nonstocked	6.3		Unspecified	No																																														
29	6239 - Mixed Emergent Wetland	Nonstocked	3.4		Unspecified	No																																														
30	42120 - Planted Jack Pine	Sapling Medium	71.4	17	Unspecified	N/A																																														
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White Pine	2	Log	14																																																	
Red Oak	3	Sapling	1																																																	
Black Cherry	1	Sapling	1																																																	
Red Pine	3	Log	14																																																	
31	6239 - Mixed Emergent Wetland	Nonstocked	3.5		Unspecified	No																																														
32	6239 - Mixed Emergent Wetland	Nonstocked	1.3		Unspecified	No																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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33 6239 - Mixed Emergent Wetland Nonstocked 2.1 Unspecified No

34 6239 - Mixed Emergent Wetland Nonstocked 1.8 Unspecified No

35 3102 - Grass Nonstocked 13.1 Unspecified 4212 - Planted Jack Pine

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	< 5 feet	Sapling

36 42120 - Planted Jack Pine Sapling Poor 18.0 17 1-50 N/A 1/25/22 - looked at in the field

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	1	Sapling/Pole	3	
Black Spruce	3	Sapling	1	
White Pine	2	Log	16	
Red Maple	3	Sapling	1	
Jack Pine	85	Sapling	2	17
Red Oak	1	Log	12	
Red Pine	3	Log/Pole	16	
Red Oak	2	Sapling	1	

37 6239 - Mixed Emergent Wetland Nonstocked 1.1 Unspecified No

38 6239 - Mixed Emergent Wetland Nonstocked 4.6 Unspecified No

39 6239 - Mixed Emergent Wetland Nonstocked 3.2 Unspecified No

40 6239 - Mixed Emergent Wetland Nonstocked 2.3 Unspecified No

41 42120 - Planted Jack Pine Sapling Poor 19.1 17 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Sapling	1	
Jack Pine	95	Sapling	2	17
Black Cherry	2	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	429 - Mixed Upland Conifers	Poletimber Well	4.1	41	1-50	N/A	1/25/22 - looked at in the field.																														
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Canopy Species	% Cover	Size Class	DBH	Age																																	
Paper Birch	5	Pole/Sapling	5																																		
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Jack Pine	30	Pole	6	41																																	
Red Oak	25	Sapling	1																																		
Red Pine	25	Log/Pole	10																																		

43	3302 - Low Density Conifer Trees	Nonstocked	7.2		Unspecified	No	
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44	4310 - Pine, Oak Mix	Sapling Well	78.0	39	1-50	N/A	1/12/22 - looked at in the field.																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																						
Paper Birch	5	Sapling/Pole	5																																							
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Red Pine	20	Sapling	3																																							
Red Maple	5	Sapling/Pole	4																																							
Jack Pine	25	Sapling	3	39																																						
Black Spruce	5	Sapling	4																																							

45	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	6.6	46	Unspecified	N/A	1/12/22 - low and wet with timber along the edge of stand.																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																						
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Paper Birch	5	Pole	5																																							
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Black Spruce	45	Sapling/Pole	5	46																																						
Red Pine	3	Pole	8																																							
Red Maple	5	Sapling	3																																							

46	429 - Mixed Upland Conifers	Poletimber Well	35.0	41	1-50	N/A																															
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Paper Birch	10	Pole/Sapling	6																																		
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Jack Pine	30	Pole	6	41																																	
Red Pine	25	Log/Pole	12																																		
Red Oak	25	Sapling	2																																		

47	3102 - Grass	Nonstocked	104.2		Unspecified	4212 - Planted Jack Pine									
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>High</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	High	< 5 feet	Sapling
Sub-Canopy Species	Density	Avg. Height	Size												
Jack Pine	High	< 5 feet	Sapling												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48 6239 - Mixed Emergent Wetland Nonstocked 7.8 Unspecified No

49 42120 - Planted Jack Pine Poletimber Well 104.7 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	1	Sapling	1	
Black Cherry	1	Sapling	1	
Jack Pine	98	Pole	5	36

50 6239 - Mixed Emergent Wetland Nonstocked 15.6 Unspecified No

51 6239 - Mixed Emergent Wetland Nonstocked 9.3 Unspecified No

52 3302 - Low Density Conifer Trees Nonstocked 4.8 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium		Sapling
Red Oak	Medium		Sapling
Jack Pine	Medium		Sapling

53 42220 - Natural Jack Pine Poletimber Well 21.9 49 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	80	Pole	7	49
Black Spruce	15	Pole/Sapling	4	
Red Pine	3	Log	10	
White Pine	2	Log	10	

54 2113 - Forage Crops Nonstocked 230.7 Unspecified Managed Opening 1/25/22 - looked at in the field

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	< 5 feet	Sapling
Jack Pine	Low	< 5 feet	Sapling
Red Oak	Low	10 - 20 feet	Sapling

55 6239 - Mixed Emergent Wetland Nonstocked 13.4 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
56	42120 - Planted Jack Pine	Sapling Medium	22.2	17	Unspecified	N/A	1/12/22 - looked at in the field.																														
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Black Cherry	1	Sapling	1																																		
57	6239 - Mixed Emergent Wetland	Nonstocked	2.1		Unspecified	No																															
58	42220 - Natural Jack Pine	Sapling Well	11.4	7	Immature	N/A	full metal jp 2017																														
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59	42220 - Natural Jack Pine	Sapling Well	60.5	39	Unspecified	N/A																															
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60	42220 - Natural Jack Pine	Sapling Well	113.0	28	Unspecified	N/A	1/25/22 - looked at in the field																														
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Canopy Species	% Cover	Size Class	DBH	Age																																	
Black Cherry	1	Sapling	1																																		
Red Oak	1	Sapling	1																																		
Black Spruce	3	Sapling/Pole	4	28																																	
Jack Pine	95	Pole/Sapling	6	28																																	
61	6239 - Mixed Emergent Wetland	Nonstocked	5.2		Unspecified	No																															
62	623 - Emergent Wetland	Nonstocked	1.4		Unspecified	No																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
63	42250 - Pine, Oak	Sapling Well	44.0	39	1-50	N/A																																																																
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Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Red Pine	5	Pole	8																																																																			
Jack Pine	55	Sapling/Pole	4	39																																																																		
Red Oak	40	Sapling/Pole	4																																																																			
64	6239 - Mixed Emergent Wetland	Nonstocked	1.9		Unspecified	No																																																																
65	6239 - Mixed Emergent Wetland	Nonstocked	17.1		Unspecified	No																																																																
66	42220 - Natural Jack Pine	Sapling Medium	6.1	17	Unspecified	N/A																																																																
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Jack Pine	97	Sapling	2	17																																																																		
Black Spruce	3	Sapling	1																																																																			
67	6225 - Bog	Nonstocked	2.0	0	Unspecified	No																																																																
68	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	49.7	92	1-50	N/A	1/12/22 - looked at in the field.																																																															
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Red Pine	55	Log	16	92																																																																		
White Pine	15	Log	16																																																																			
69	429 - Mixed Upland Conifers	Poletimber Well	60.4	92	81-110	N/A	1/25/22 - Split stand roughly in half. North half is now stand 138, will be looked at in 10 years. Stand 69 will have treatment proposed for 2024. Cut all merchantable stems except white pine, cedar. Red oak may or may not be cut, depending on quality of oak.																																																															
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Tamarack	10	Pole	6																																																																			
Red Pine	8	Log/Pole	10																																																																			
White Pine	2	Pole	8																																																																			
70	6239 - Mixed Emergent Wetland	Nonstocked	3.1		Unspecified	No																																																																
71	3303 - Mixed Low Density Trees	Nonstocked	17.5		Unspecified	No																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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72 6239 - Mixed Emergent Wetland Nonstocked 6.9 Unspecified No

73 42120 - Planted Jack Pine Sapling Poor 5.9 16 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2	Log	18	
Red Pine	3	Sapling	2	
Jack Pine	60	Sapling	1	16
Black Cherry	3	Sapling	1	
Black Spruce	30	Sapling	2	
Red Oak	2	Sapling	1	

74 6239 - Mixed Emergent Wetland Nonstocked 5.6 Unspecified No

75 3102 - Grass Nonstocked 11.5 Unspecified 4212 - Planted Jack Pine 1/12/22 - looked at in the field - snow depth made it harder to determine jack pine seedling density.

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	< 5 feet	Sapling
Black Cherry	Medium	< 5 feet	Sapling
Jack Pine	Medium		Seeding

76 42290 - Natural Mixed Pine Poletimber Poor 11.5 94 51-80 N/A

Big Lake State Forest Campground managed by Baraga State Park. Shaun Sullivan looked at in the field on 1/12/22. Campground has 12 designated campsites, a boating access site and is near the North Country Trail.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50	Log	16	94
Paper Birch	5	Pole	6	
White Pine	2	Sapling	1	
White Pine	15	Log	16	
Jack Pine	5	Sapling	1	7
Red Oak	23	Pole	6	

77 6239 - Mixed Emergent Wetland Nonstocked 1.0 Unspecified No

78 6239 - Mixed Emergent Wetland Nonstocked 9.8 Unspecified No

79 6239 - Mixed Emergent Wetland Nonstocked 1.9 Unspecified No

80 42120 - Planted Jack Pine Sapling Medium 142.7 17 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	97	Sapling	2	17
Black Spruce	3	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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81 2113 - Forage Crops Nonstocked 43.9 Unspecified Managed Opening

82 6239 - Mixed Emergent Wetland Nonstocked 1.1 Unspecified No

83 31021 - Cool Season Grass Nonstocked 31.9 0 Unspecified 4222 - Natural Jack Pine 1/12/22 - looked at in the field.

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Medium	< 5 feet	Sapling
Red Oak	Low	>20 feet	Pole
Jack Pine	Medium	< 5 feet	Sapling
Red Pine	Low	>20 feet	Log

84 42120 - Planted Jack Pine Sapling Poor 2.5 16 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	3	Sapling	1	
Jack Pine	60	Sapling	2	16
Red Oak	2	Sapling	1	
Red Pine	3	Sapling	2	
Red Pine	2	Log	18	
Black Spruce	30	Sapling	2	

85 42210 - Natural Red Pine Poletimber Well 1.3 92 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Log	12	
Red Pine	80	Pole	6	92
Black Spruce	10	Pole	5	
White Pine	5	Log	10	

86 31021 - Cool Season Grass Nonstocked 29.1 0 Unspecified 4222 - Natural Jack Pine 1/12/22 - looked at in the field.

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	>20 feet	Log
Red Maple	Low	5 - 10 feet	Sapling
White Pine	Low	>20 feet	Pole
Jack Pine	High	< 5 feet	Sapling
Red Oak	Low	5 - 10 feet	Sapling

87 6239 - Mixed Emergent Wetland Nonstocked 82.6 Unspecified No

88 6239 - Mixed Emergent Wetland Nonstocked 6.3 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
89	42220 - Natural Jack Pine	Sapling Well	24.1	39	Unspecified	N/A	1/12/22 - looked at in the field.																														
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Canopy Species	% Cover	Size Class	DBH	Age																																	
Jack Pine	100	Sapling	4	39																																	
90	122 - Road/Parking Lot	Nonstocked	6.3		Unspecified	No																															
91	6239 - Mixed Emergent Wetland	Nonstocked	5.6		Unspecified	No																															
92	6239 - Mixed Emergent Wetland	Nonstocked	3.1		Unspecified	No																															
93	6239 - Mixed Emergent Wetland	Nonstocked	2.8		Unspecified	No																															
94	31021 - Cool Season Grass	Nonstocked	30.1	0	Unspecified	4222 - Natural Jack Pine	1/12/22 - looked at in the field.																														
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Sub-Canopy Species	Density	Avg. Height	Size																																		
Jack Pine	High	< 5 feet	Sapling																																		
Red Maple	Low	5 - 10 feet	Sapling																																		
Red Oak	Medium	5 - 10 feet	Sapling																																		
Quaking Aspen	Medium	5 - 10 feet	Sapling																																		
95	6239 - Mixed Emergent Wetland	Nonstocked	7.2		Unspecified	No																															
96	42250 - Pine, Oak	Sapling Medium	55.9	25	Immature	N/A	1/12/22 - looked at in the field.																														
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Canopy Species	% Cover	Size Class	DBH	Age																																	
White Pine	2	Log	12																																		
Red Pine	59	Sapling	2	25																																	
Jack Pine	3	Log	12																																		
Red Oak	35	Sapling	2																																		
Red Oak	1	Log	14																																		
97	6239 - Mixed Emergent Wetland	Nonstocked	1.0		Unspecified	No																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98 42120 - Planted Jack Pine Sapling Poor 10.9 16 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	30	Sapling	2	
Jack Pine	60	Sapling	2	16
Red Pine	3	Sapling	2	
Red Pine	2	Log	18	
Black Cherry	3	Sapling	1	
Red Oak	2	Sapling	1	

99 310 - Herbaceous Openland Nonstocked 35.3 0 Unspecified 4222 - Natural Jack Pine some residual stems left from past harvest, red pine (14"), paper birch (8"), oak (10") and white pine (14")

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Medium	5 - 10 feet	Sapling
Jack Pine	High	< 5 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
White Pine	Low	< 5 feet	Sapling
Paper Birch	Low	< 5 feet	Sapling

100 6128 - Lowland Coniferous, Mixed Deciduous Sapling Poor 68.5 9 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Sapling	1	
Paper Birch	20	Sapling/Pole	4	
White Pine	5	Pole	8	
Black Spruce	30	Sapling	2	9
Tamarack	10	Sapling	1	
Red Pine	20	Pole	8	

101 122 - Road/Parking Lot Nonstocked 2.3 Unspecified No

102 31021 - Cool Season Grass Nonstocked 3.4 0 Unspecified 4222 - Natural Jack Pine 1/12/22 - looked at in the field.

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Medium	5 - 10 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
White Pine	Low	>20 feet	Pole

103 122 - Road/Parking Lot Nonstocked 1.5 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
104	310 - Herbaceous Openland	Nonstocked	1.2	0	Unspecified	4222 - Natural Jack Pine					
								Sub-Canopy Species	Density	Avg. Height	Size
								Red Oak	Low	< 5 feet	Sapling
								Red Maple	Low	< 5 feet	Sapling
105	6239 - Mixed Emergent Wetland	Nonstocked	2.9		Unspecified	No					
106	42220 - Natural Jack Pine	Sapling Well	77.5	29	1-50	N/A	1/12/22 - looked at in the field.				
	Canopy Species	% Cover	Size Class	DBH	Age						
	Jack Pine	99	Sapling/Pole	3	29						
	Red Oak	1	Sapling/Pole	4							
107	6239 - Mixed Emergent Wetland	Nonstocked	5.9		Unspecified	No					
108	6239 - Mixed Emergent Wetland	Nonstocked	2.6		Unspecified	No					
109	500 - Water	Nonstocked	6.9		Unspecified	No					
110	6126 - Lowland Jack Pine	Poletimber Medium	19.1	86	1-50	N/A	low poor quality ground.				
	Canopy Species	% Cover	Size Class	DBH	Age						
	Jack Pine	60	Sapling/Pole	4	86						
	Black Spruce	40	Sapling/Pole	4	86						
111	42220 - Natural Jack Pine	Sapling Poor	16.0	16	Unspecified	N/A					
	Canopy Species	% Cover	Size Class	DBH	Age						
	White Pine	2	Sapling	2							
	White Pine	3	Log	16							
	Red Pine	2	Sapling	2							
	Red Pine	3	Log	14							
	Tamarack	2	Sapling	3							
	Jack Pine	75	Sapling	2	16						
	Paper Birch	2	Sapling	2							
	Black Cherry	3	Sapling	1							
	Black Spruce	8	Sapling	3							
112	6239 - Mixed Emergent Wetland	Nonstocked	3.0		Unspecified	No					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
113	42220 - Natural Jack Pine	Sapling Poor	2.4	7	1-50	N/A																																				
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Jack Pine	100	Sapling	1	7																																						
114	42220 - Natural Jack Pine	Poletimber Well	29.5	63	51-80	N/A																																				
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Black Cherry	3	Sapling	2																																							
Red Oak	2	Sapling	2																																							
White Pine	2	Sapling	3																																							
115	42220 - Natural Jack Pine	Sapling Poor	5.5	7	Immature	N/A	1/12/22 - looked at in the field.																																			
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Black Cherry	14	Sapling	1																																							
Red Oak	1	Sapling	1																																							
Jack Pine	85	Sapling	1	7																																						
116	2113 - Forage Crops	Nonstocked	53.4		Unspecified	Managed Opening																																				
117	42220 - Natural Jack Pine	Sapling Poor	4.6	26	Unspecified	N/A																																				
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118	42220 - Natural Jack Pine	Sapling Poor	5.4	7	1-50	N/A																																				
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119	42220 - Natural Jack Pine	Sapling Well	3.7	29	Unspecified	N/A																																				
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Paper Birch	2	Sapling/Pole	4																																							
Jack Pine	97	Sapling/Pole	4	29																																						
Red Oak	1	Sapling	1																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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120 42220 - Natural Jack Pine Sapling Well 6.6 29 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	97	Sapling	3	29
Red Pine	1	XLog/Log	18	
Paper Birch	2	Sapling	4	

121 42290 - Natural Mixed Pine Poletimber Medium 66.6 84 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Sapling	1		Black Spruce	Full	>20 feet	Sapling
White Pine	10	Log	14		White Pine	Full	>20 feet	Sapling
Red Pine	10	Log	14		Jack Pine	Full	>20 feet	Sapling
Black Spruce	25	Pole	8		Red Pine	Full	>20 feet	Sapling
Paper Birch	1	Pole	6					
Jack Pine	49	Pole	9	84				

122 42220 - Natural Jack Pine Sapling Well 17.6 41 Unspecified N/A 1/12/22 -looked at in the field.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	3	Log	18	
Jack Pine	93	Sapling	4	41
Red Pine	2	Sapling	3	
White Pine	2	Log	18	

123 6239 - Mixed Emergent Wetland Nonstocked 25.6 Unspecified No

124 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 10.3 106 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	30	Pole	7		Tag Alder	Full	10 - 20 feet	Tall Shrub
Black Spruce	40	Pole	7	106	Red Maple	Full	>20 feet	Sapling
Red Maple	15	Pole	7		Black Spruce	Full	>20 feet	Sapling
Paper Birch	15	Pole	6		Balsam Fir	Full	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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125 6139 - Mixed Lowland Forest Sapling Poor 28.3 7 Immature N/A NCT Pulp cut in winter 2016-2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Sapling	1	7	Tag Alder	High	10 - 20 feet	Tall Shrub
Red Pine	5	Log	12					
Paper Birch	4	Pole	5					
Balsam Fir	2	Sapling	1	7				
Northern White Cedar	2	Pole	8					
Jack Pine	15	Sapling	1					
White Pine	2	Log	12					
Black Spruce	20	Sapling	1	7				

126 4319 - Mixed Upland Forest Sapling Well 29.4 26 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	26
Red Pine	5	Sapling	2	26
Jack Pine	5	Sapling	2	26
Quaking Aspen	30	Sapling	3	26
Balsam Fir	20	Sapling	2	26
White Spruce	20	Sapling	2	26

127 4134 - Aspen, Spruce/Fir Sapling Well 41.1 26 Immature N/A 1/12/22 - stand looked at in field. overall nice regen, very few patchy areas.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	3	26
Balsam Fir	10	Sapling	3	26
Red Pine	5	Sapling	2	26
Paper Birch	1	Sapling	2	
White Spruce	10	Sapling/Pole	4	26
Red Maple	19	Sapling	2	26
Jack Pine	5	Sapling	2	26

128 4130 - Aspen Sapling Well 9.2 7 Immature N/A 1/12/22 - stand looked at, monitor treatment will be removed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Sapling	1	7	Tag Alder	Full	10 - 20 feet	Tall Shrub
Paper Birch	1	Sapling	1	7				
Red Pine	1	Log	16					
Quaking Aspen	5	XLog/Log	18	76				
Red Maple	10	Sapling	1	7				
White Pine	5	Sapling/Pole	4					
Red Oak	1	Sapling	1	7				
Quaking Aspen	72	Sapling	2	7				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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129 6125 - Lowland Black Spruce, Jack Pine Poletimber Medium 1.0 46 51-80 N/A wet

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Pole	6	
Black Spruce	45	Pole/Sapling	6	46
Jack Pine	45	Pole/Sapling	5	46

130 3102 - Grass Nonstocked 2.0 Unspecified No

131 4312 - Hemlock, Mixed Deciduous Poletimber Well 12.5 110 81-110 N/A

1/18/22 - lots of dieback throughout. Look to cut with stand 132 (hardwood) in 20 years if there is adequate volume to make it feasible.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	15	Log/Pole	14		Balsam Fir	Full	10 - 20 feet	Sapling
Northern White Cedar	5	Pole	7		White Spruce	Full	10 - 20 feet	Sapling
Red Maple	10	Pole	6		Ironwood	Full	10 - 20 feet	Sapling
White Spruce	3	Log	10		Maple (spp.)	Full	Variable	Sapling
Yellow Birch	1	Pole	5					
Paper Birch	1	Pole	6					
Sugar Maple	20	Pole	7					
Hemlock	45	Log	16	110				

132 4115 - Y.Birch, Hemlock NH Poletimber Well 44.3 110 81-110 N/A

1/18/22 - Lots of aspen regen throughout hardwoods. Look to cut in 20 years, BA is still too low. Lots of hemlock on the edge of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Log	18		Maple (spp.)	Full	Variable	Sapling
Red Maple	10	Pole	8		Aspen (spp.)	Full	10 - 20 feet	Sapling
Basswood	10	Log/Pole	12		White Spruce	Full	10 - 20 feet	Sapling
White Spruce	2	Pole	10		Ironwood	High	10 - 20 feet	Sapling
Hemlock	20	XLog/Log	18		Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	7					
Sugar Maple	50	Log/Pole	12	110				

133 42350 - Upland Hemlock Poletimber Well 62.5 110 Unspecified N/A

1/18/22 - Could be clearcut along both west and east property lines going north. Leave buffer from river. Leave cedar, hemlock, white pine and all hardwoods 20" and up.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Log	12		Maple (spp.)	Full	Variable	Sapling
Hemlock	60	Log/Pole	16	110	Yellow Birch	Full	Variable	Sapling
Red Maple	20	Log/Pole	10		Hemlock	High	Variable	Sapling
Yellow Birch	5	Pole	8					
Sugar Maple	10	Log/Pole	10					

134 122 - Road/Parking Lot Nonstocked 2.3 0 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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135 6224 - Treed Bog Nonstocked 5.6 0 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	10 - 20 feet	Pole

136 6128 - Lowland Coniferous, Mixed Deciduous Sapling Poor 23.4 9 Immature N/A

1/21/22 - was part of stand 100, split out due to species component and non-scarification treatment on area.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Sapling	1	
White Pine	5	Pole	8	
Paper Birch	20	Sapling/Pole	4	
Red Pine	20	Pole	8	
Black Spruce	30	Sapling	2	9
Tamarack	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub

137 4119 - Mixed Northern Hardwoods Poletimber Well 29.7 110 81-110 N/A

1/18/22 - Look to thin in 20 years, BA is to low currently. Lots of aspen regen in areas.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Pole	10	
White Pine	3	Log	18	
Sugar Maple	55	Pole	8	110
Basswood	15	Pole	7	
Yellow Birch	4	Pole	7	
Black Cherry	1	Log/Pole	10	
Hemlock	10	Log	16	
Red Maple	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	Sapling
Maple (spp.)	Full	Variable	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling
Aspen (spp.)	Full	10 - 20 feet	Sapling
White Spruce	Full	10 - 20 feet	Sapling
Ironwood	High	10 - 20 feet	Sapling

138 429 - Mixed Upland Conifers Poletimber Well 46.0 92 51-80 N/A

1/25/22 - Stand was originally part of stand 69. Will look at this again in 10 years with stand 53 for a sale. Lacked overall size structure of stand 69.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Sapling	4	
Black Spruce	30	Pole	5	
Tamarack	10	Pole	5	
Red Pine	8	Pole	8	
Jack Pine	45	Pole	7	92
White Pine	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Full	10 - 20 feet	Sapling
Jack Pine	Full	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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139 42290 - Natural Mixed Pine Poletimber Poor 4.4 94 51-80 N/A 1/12/22 - looked at in the field.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	23	Pole	6	
White Pine	15	Log	16	
Red Pine	50	Log	16	94
White Pine	2	Sapling	1	
Jack Pine	5	Sapling	1	7
Paper Birch	5	Pole	6	

140 4119 - Mixed Northern Hardwoods Poletimber Well 2.8 110 81-110 N/A 1/18/22 - Look to thin in 20 years, BA still too low to thin at this point.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	7		Ironwood	High	10 - 20 feet	Sapling
White Pine	3	Log	18		Maple (spp.)	Full	Variable	Sapling
Hemlock	10	XLog/Log	18		White Spruce	Full	10 - 20 feet	Sapling
Sugar Maple	55	Log/Pole	12	110	Aspen (spp.)	Full	10 - 20 feet	Sapling
Red Maple	10	Log/Pole	12		Balsam Fir	Full	10 - 20 feet	Sapling
White Spruce	2	Pole	10					
Basswood	15	Log/Pole	12					