



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42028

Entry Year 2025

Acreage: 6,008

County Luce

Management Area: Seney Lake Plain

Stand Examiner: Matt Payment

Legal Description:

T48N R10W Sections 17, 20, 21 23-28, 31-36

T48N R9W Section 31

Identified Planning Goals:

Wildlife, fisheries along with some timber production are the main uses of this area. The goal is to maintain a healthy, sustainable forest ecosystem with special emphasis on unique forest communities and wildlife habitat.

Soil and topography:

The soil in this compartment is mostly made up of a complex of sandy ridges mixed in with level lowland peat soils. The ridges are subtle and narrow for the most part. The forested cover types in the lowland peat soils are typically marsh or treed bogs. The ridges are typically forested with pine, spruce and aspen with some of the richer upland soils having maple, beech, hemlock and white pine.

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

The compartment consists of a large contiguous block of state land and one isolated 40 parcel north by McMahon Lake. The Nature Conservancy owns a large tract of land bordering to the north known as the McMahon Lake Preserve. A large recent land transaction/exchange between the State of Michigan and The Nature Conservancy resulted in a portion of this compartment no longer being under State ownership. The Nature Conservancy now encompasses the entire northern compartment boundary. To the east is again Nature Conservancy land along with smaller private land owners. Much of the west and south boundaries of the compartment is owned by the state. Much of this compartment has avoided development due to its remoteness and lowland nature. The land in this compartment is mostly used for hiking, hunting, fishing, wildlife viewing and timber production.

Unique Natural Features:

McMahon Lake, Sleeper Lakes and some of the wide open marshes within this compartment are all unique and natural features. This compartment falls within the Two Hearted watershed with the Little Dawson Creek, Dawson Creek and the East Branch Two Hearted River all occurring within the compartment boundaries. This is a large area that is for the most part roadless and has had little disturbance in the past 40 years. It has avoided development due to its remoteness and lowland nature. MNFI has identified muskeg and patterned fen communities within the compartment.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

For the most part, this compartment is large block of unbroken land and has avoided development because of its remote location. This compartment supports abundant wildlife because it offers ideal habitat. These things should be factored in when making management decisions.

Watershed and Fisheries Considerations:

ELSMU-Cory Kovacs

This compartment contains the Sleeper Lake Complex and sections of Little Dawson Creek and the East Branch Two Hearted River. The East Branch Two Hearted River is listed as a tributary under the Natural River Plan for the Two Hearted River. However, the boundary ends near the compartment boundary in the northeast corner. According to the Two Hearted River Natural River Plan, a minimum of a 100 ft buffer is necessary where treatments may occur. In the spirit of the Natural River Plan, Fisheries Division recommends extending this buffer requirement into the compartment for any treatments proposed along the East Branch Two Hearted River. Little Dawson Creek is a cold stream with a mean July temperature of 61.2°F and is a designated Type 1 trout stream. Treatments near Little Dawson Creek (not included in the Natural River Plan) will need to maintain a 300-ft foot buffer due to the aspen regeneration possibilities in these areas. Dawson Creek does contain a healthy brook trout population and Little Dawson Creek has conditions that likely serve as a nursery and refuge for those brook trout during stressful periods.

Wildlife Habitat Considerations:

Compartment 28- This large compartment is located in the Seney Sand Lake Plain ecological sub-subsection. It is largely

comprised of low, wet habitats with a mix of swamp conifer, and white and jack pine scattered throughout the marshes on drier ridges. Current species composition for this compartment appears to represent what was described in presettlement records. Much of this compartment was burned through in the Sleeper Lake fire.

The Two-Hearted River and Dawson and Little Dawson creeks run through the compartment and provide excellent wildlife travel corridors. Encouraging structural and species diversity in managed stands will benefit wildlife species. No harvests are planned in this year of entry into this compartment. Wildlife featured species in this management area include woodcock, blackburnian warbler, black bear, American marten, red crossbill, snowshoe hare and ruffed, spruce and sharp-tailed grouse, woodthrush, white-tailed deer and black backed woodpecker. Moose are also often an important species in this sub-section.

Mineral Resource and Development Concerns and/or Restrictions

Section 31, T48N-R9W and sections 20-21, 23-24, 26-28, & 31-36, T48N-R10W, Luce County

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. No active sand/gravel pits are known to exist in the area. Most of the compartment is covered by wetlands, which would inhibit any significant surface mining. No current State mineral leasing activity exists in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

This compartment is approximately 20 miles north of Newberry via County Road 407 and M-123. County Road 407 bounds the west side the compartment and is the closest good road to the compartment. There are a few old two track roads leading from County Road 407 that quickly dead end. There is limited access from the east. Access from the north and south is by foot. People access McMahon Lake and Sleeper Lake in the winter months on snowmobile via marshes.

Survey Needs:

Possible corner establishment around private property parcels adjacent to prescribed treatments in T48N R10W Section 32.

Recreational Facilities and Opportunities:

Hiking, hunting, fishing and wildlife viewing. There is a footpath leading towards McMahon Lake across Nature Conservancy land that is maintained by the Nature Conservancy.

Fire Protection:

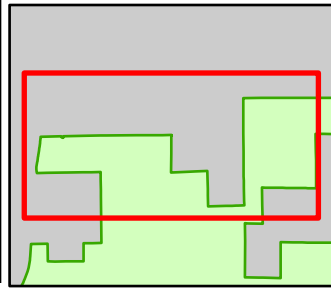
The Sleeper Lake fire of 2007 occurred in this compartment. Large fires are possible because of intermixed conifer types, lowland grass openings and difficulty of access. Neighboring private property would be at risk to wildfires, structure protection would be the priority in the case of wildfire. Experience from Sleeper lake fire indicates that modified suppression tactics may need to be used. Thorough evaluation of effort required to suppress a fire verses the environmental impacts will need to be done.

Additional Compartment Information:

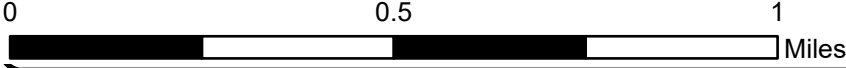
The vast majority of the compartment was burned as part of the Sleeper Lake Fire, 2007. Jack pine and red pine ridges that burned are regenerating nicely. Jack pine is seeding.expanding out into areas that were previously open lowland areas as a result of the fire. Open lowland areas (bogs, etc.) have lush new growth of grasses and other vegetation.

A large recent land transaction/exchange between the State of Michigan and The Nature Conservancy resulted in a portion of this compartment no longer being under State ownership.

Cover Type & Treatments Map



Compartment: 42028
 T48N-R10W Sec. 17,20,21
 County: Luce
 Unit: Newberry
 Mgmt Area: Seney Lake Plain
 YOE: 2025
 Acres: 6008 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 05/21/2024
 Map Phase: Post-Maps

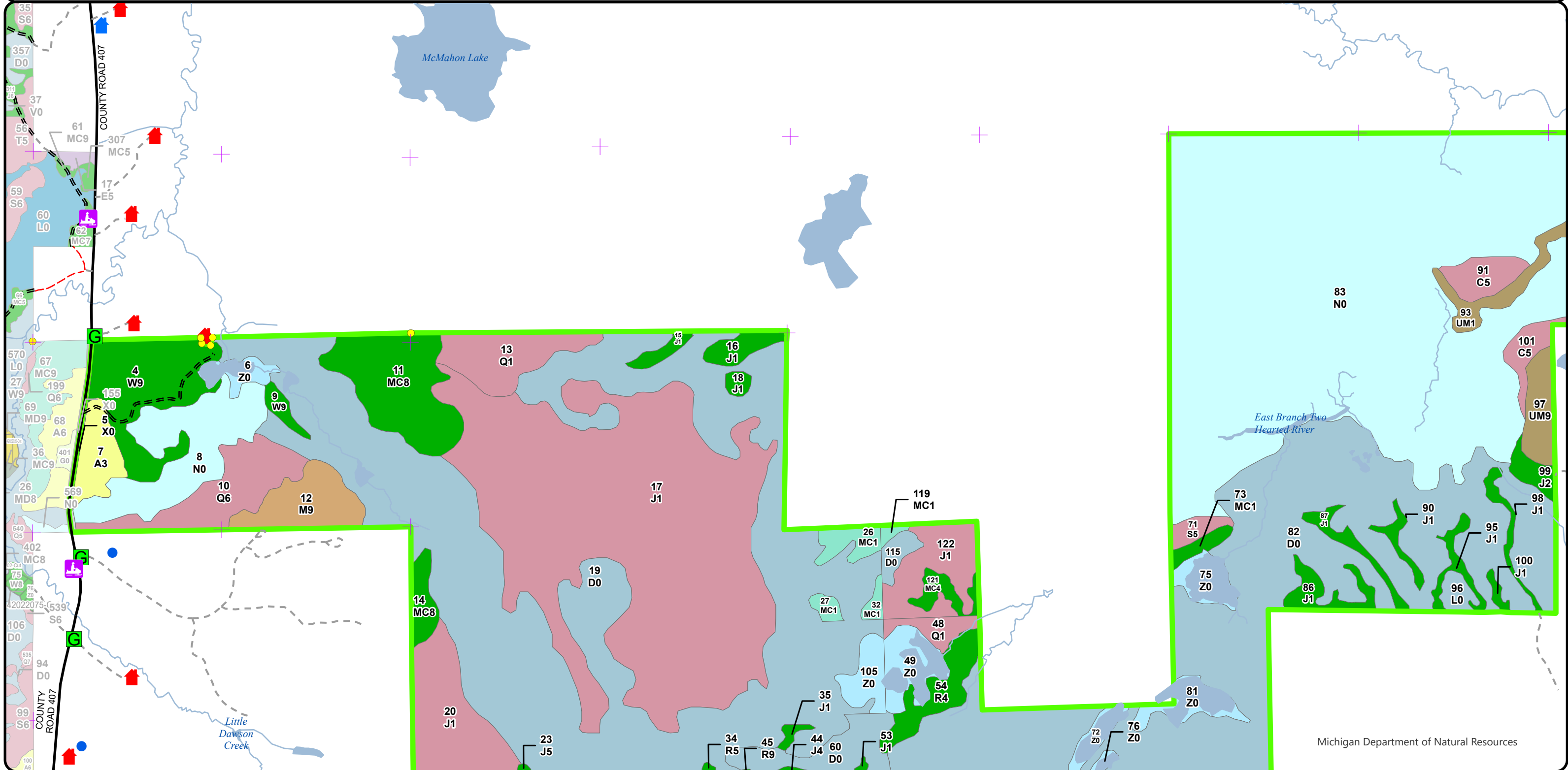


- Cabin
- House
- Gate
- Tower
- Survey Grade Corners
- Remonumented Section Corners

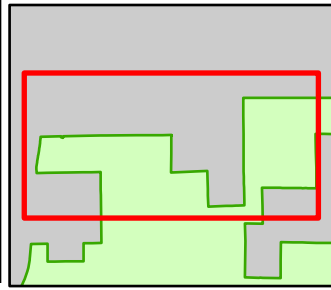
- Snowmobile Trails
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lake/Pond

- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- 411 - Northern Hardwood
- 413 - Aspen Types
- 422 - Natural Pines

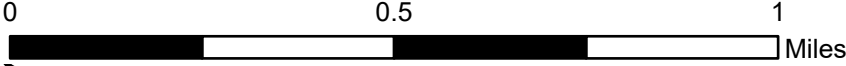
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Stand Boundary Map



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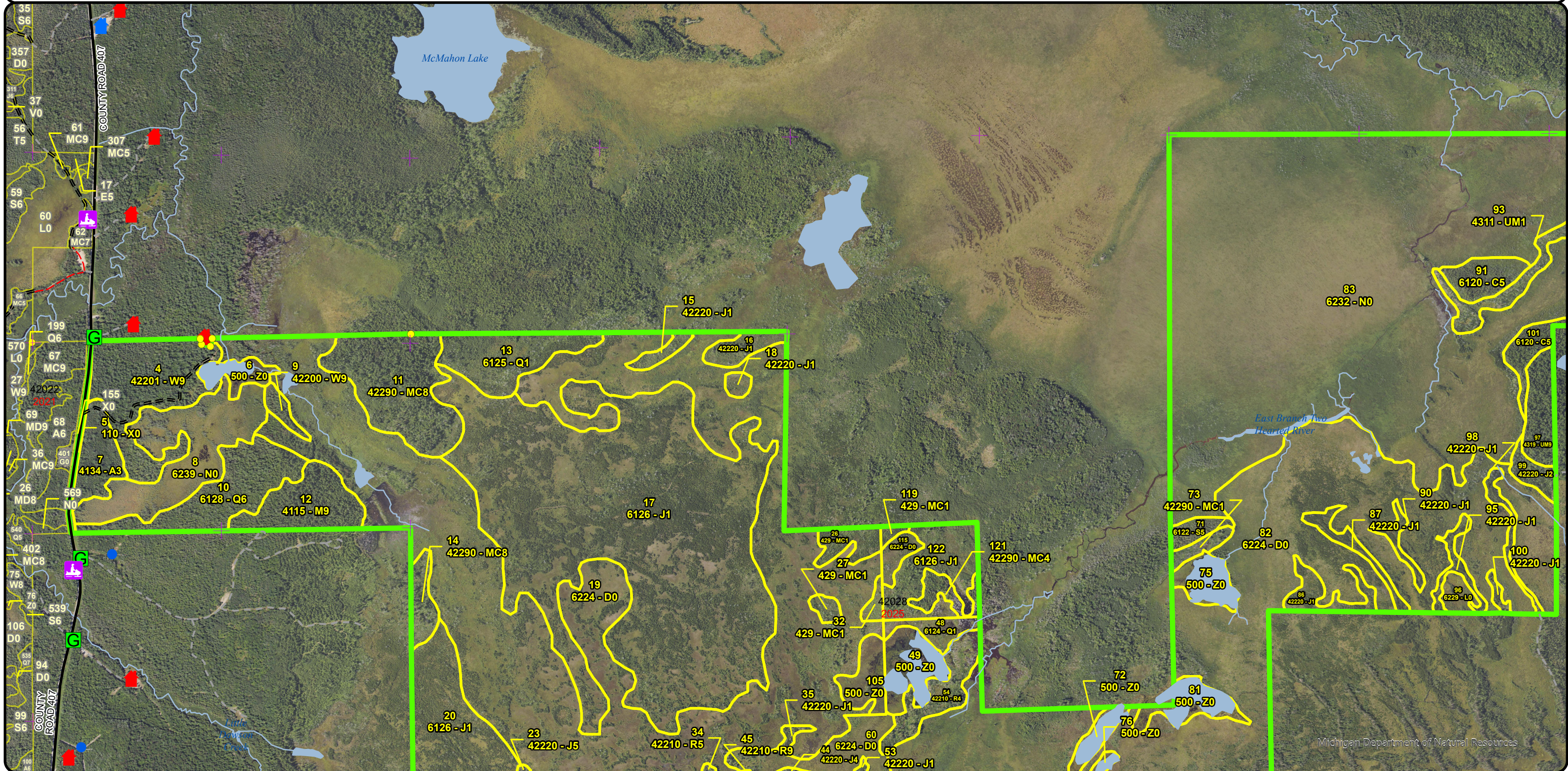


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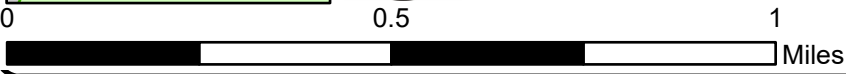
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**Special Conservation Areas
& Site Conditions Map**

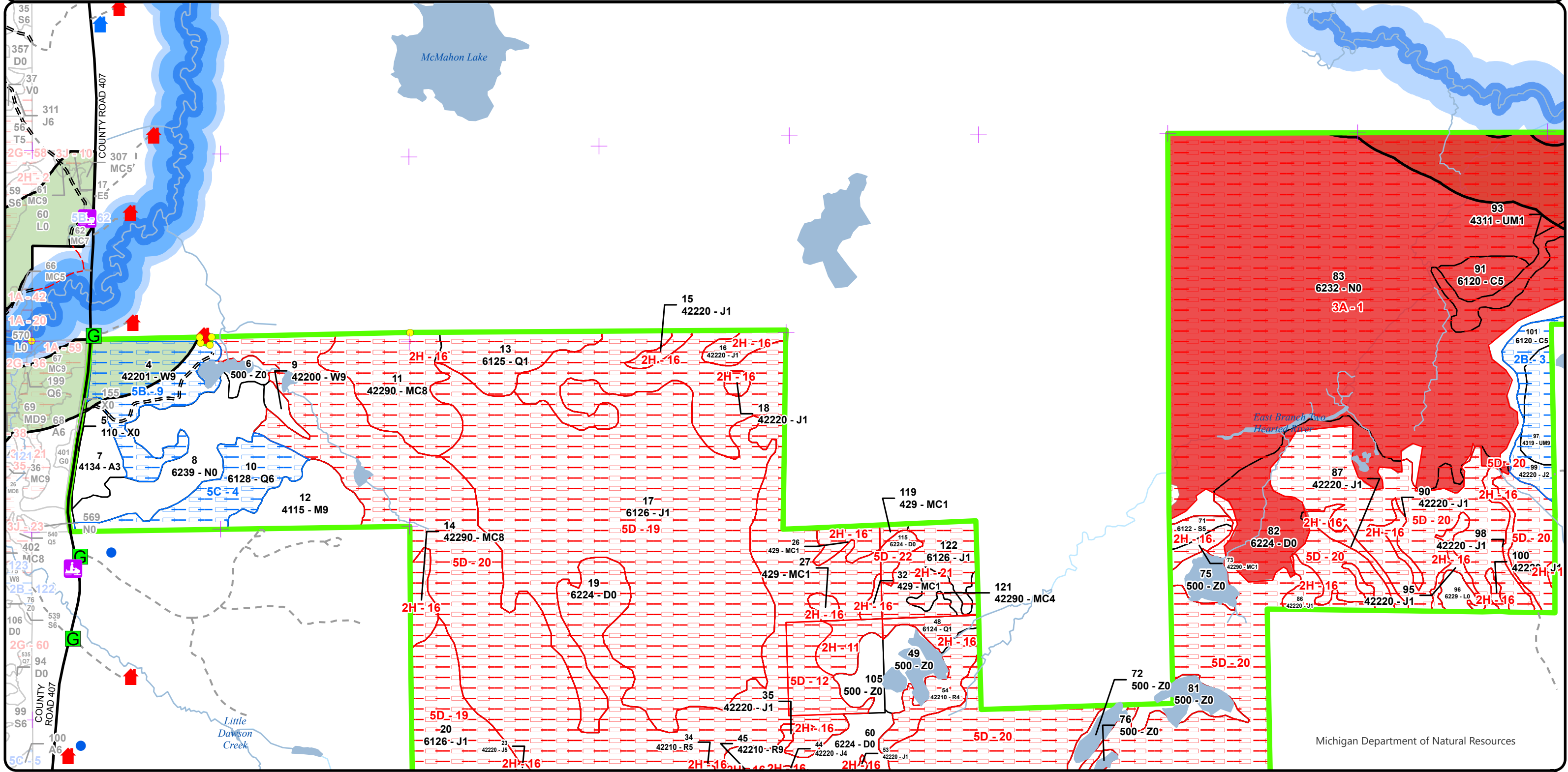
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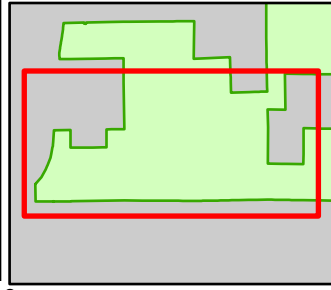
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- SCA
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality

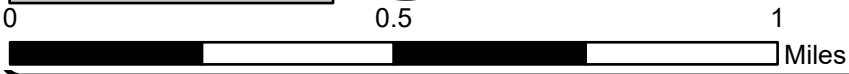
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 5D: Unproductive Forest Land
- Stand Boundaries
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Recreational/Scenic Value Area



Cover Type & Treatments Map



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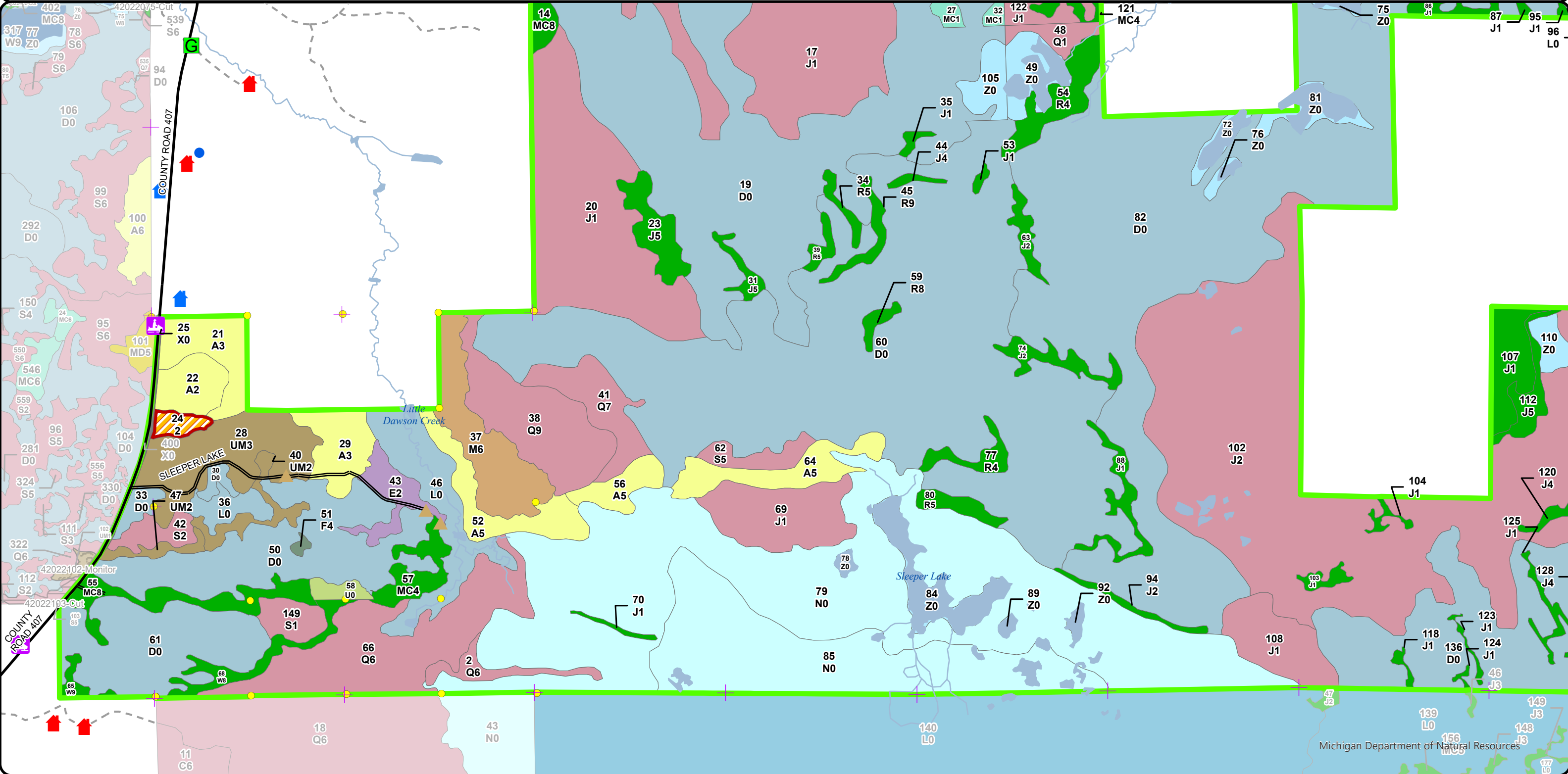


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- Gate
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- Snowmobile Trails

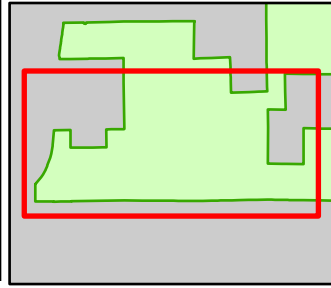
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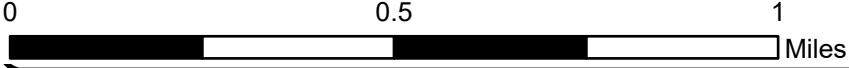
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
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- No Stand Data



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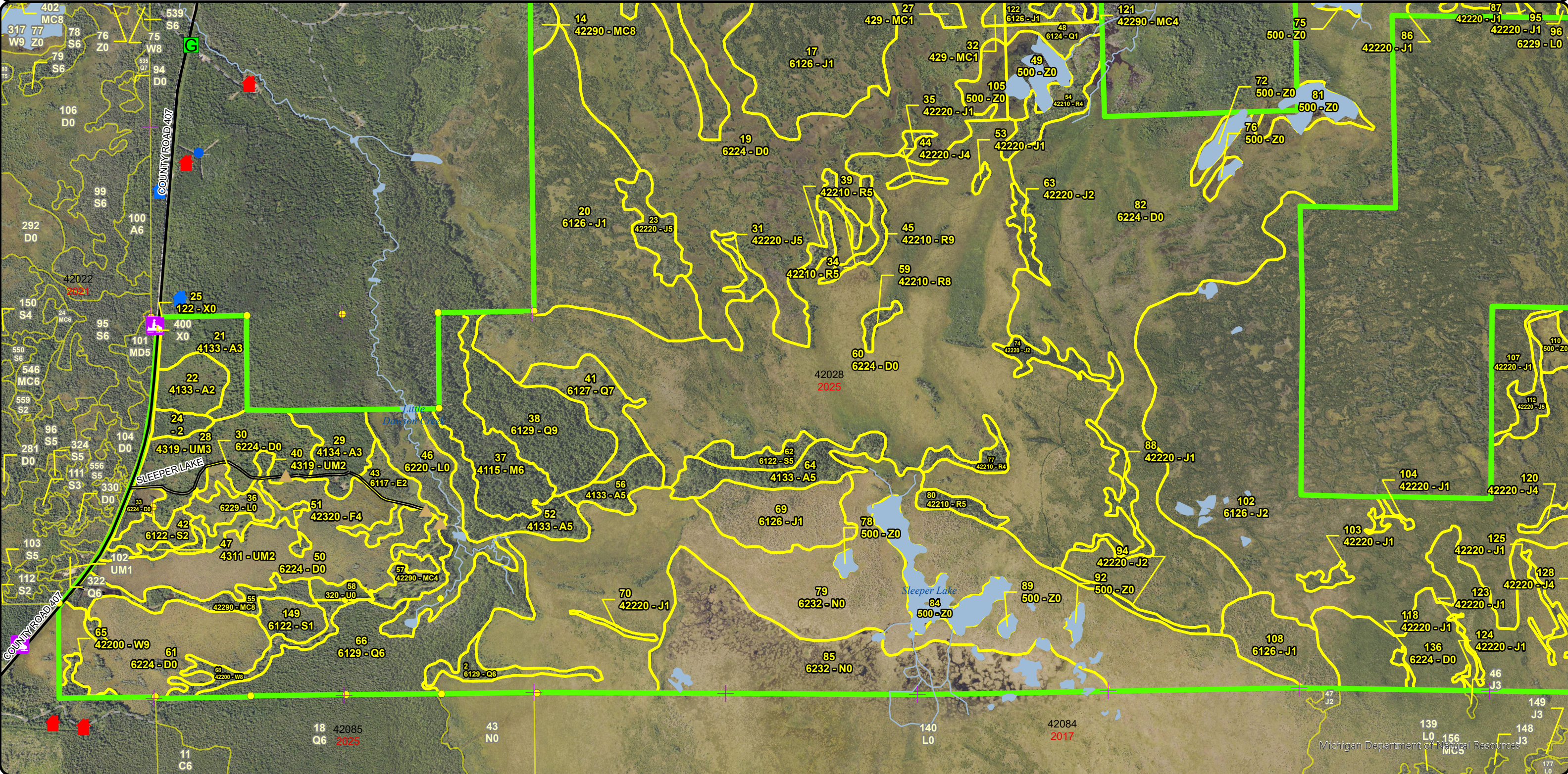


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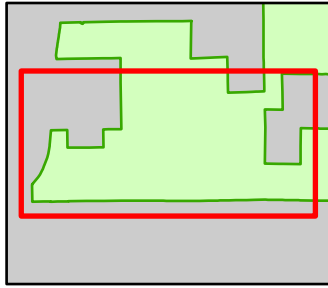
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Special Conservation Areas & Site Conditions Map

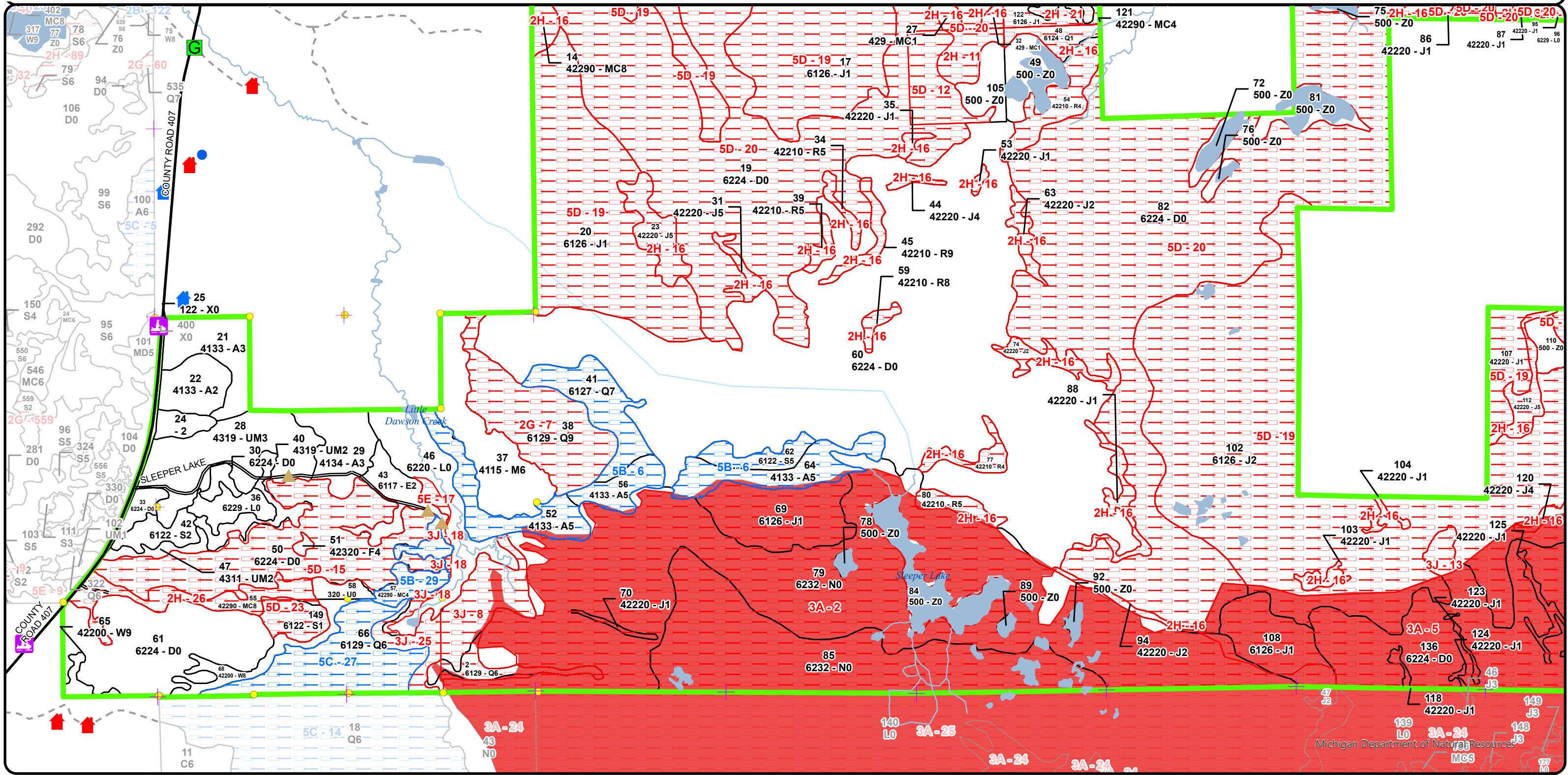
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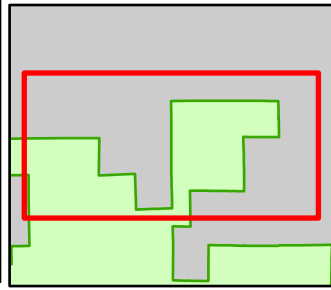
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- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes

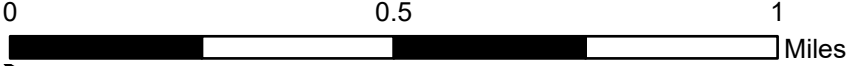
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams



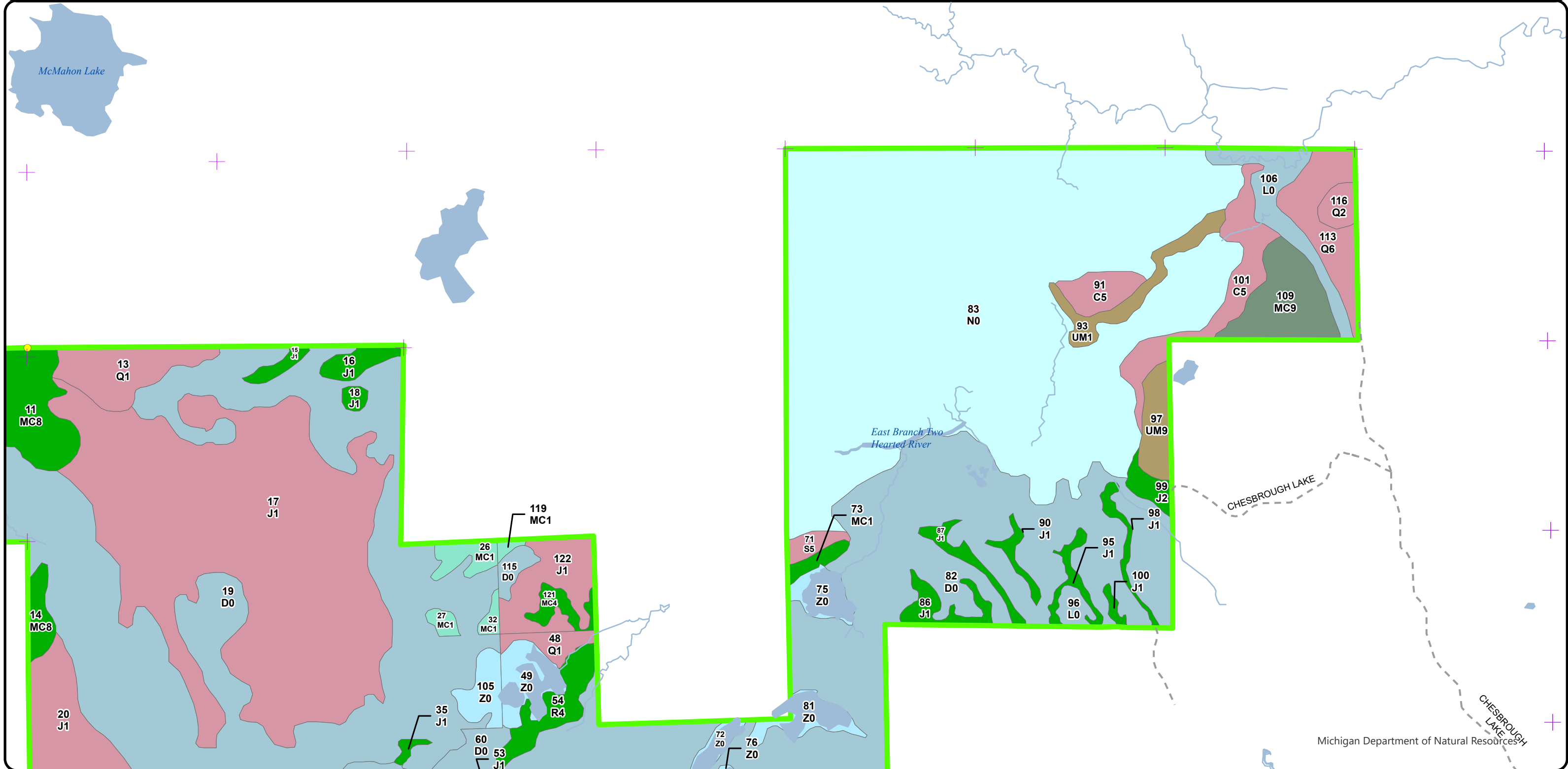
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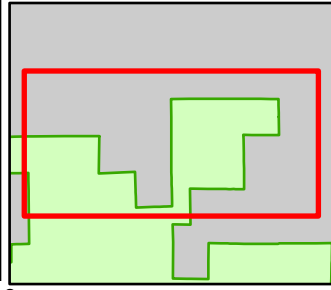


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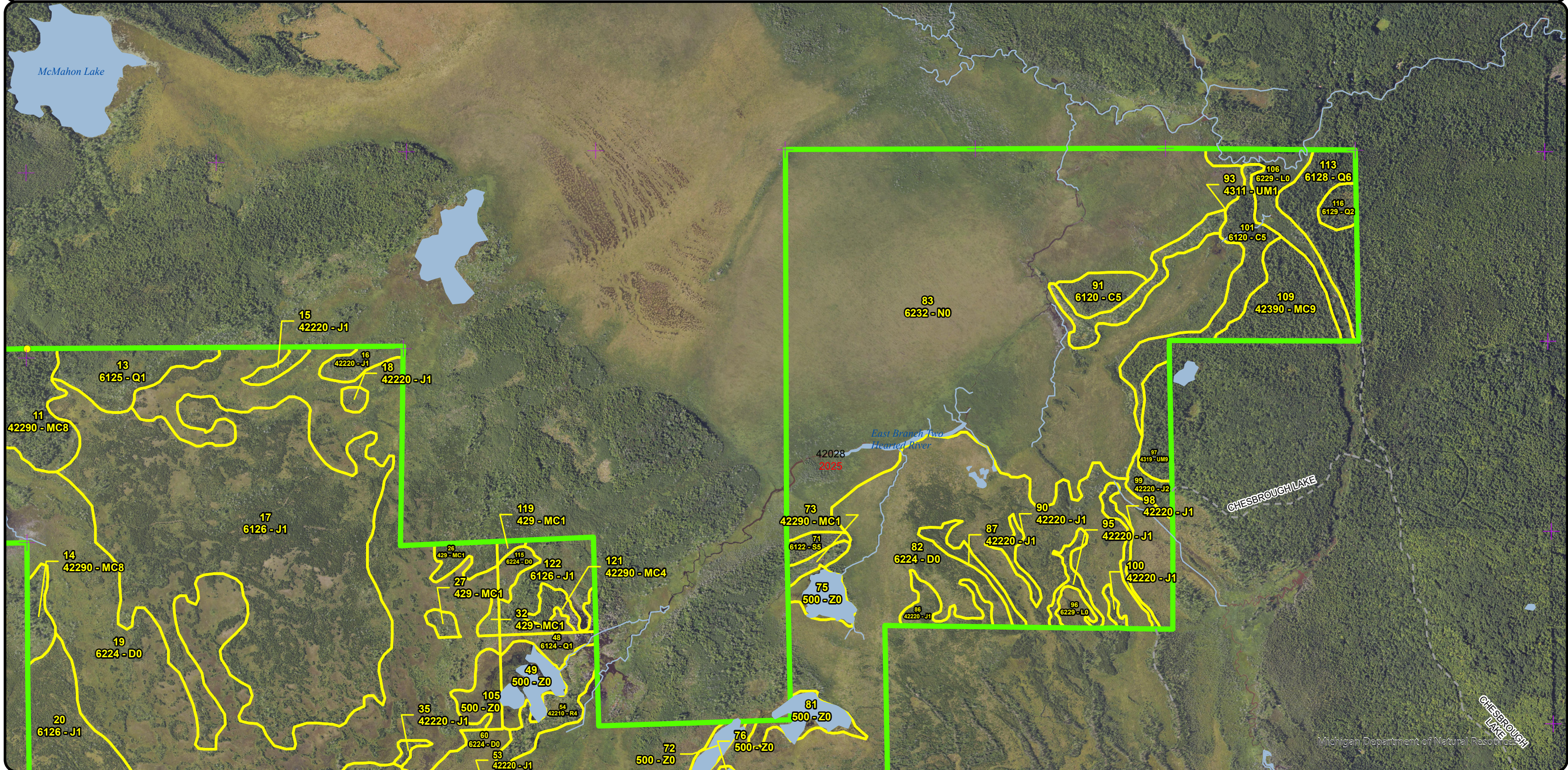
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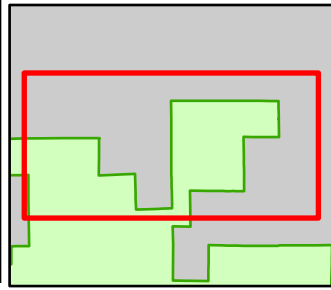


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**Special Conservation Areas
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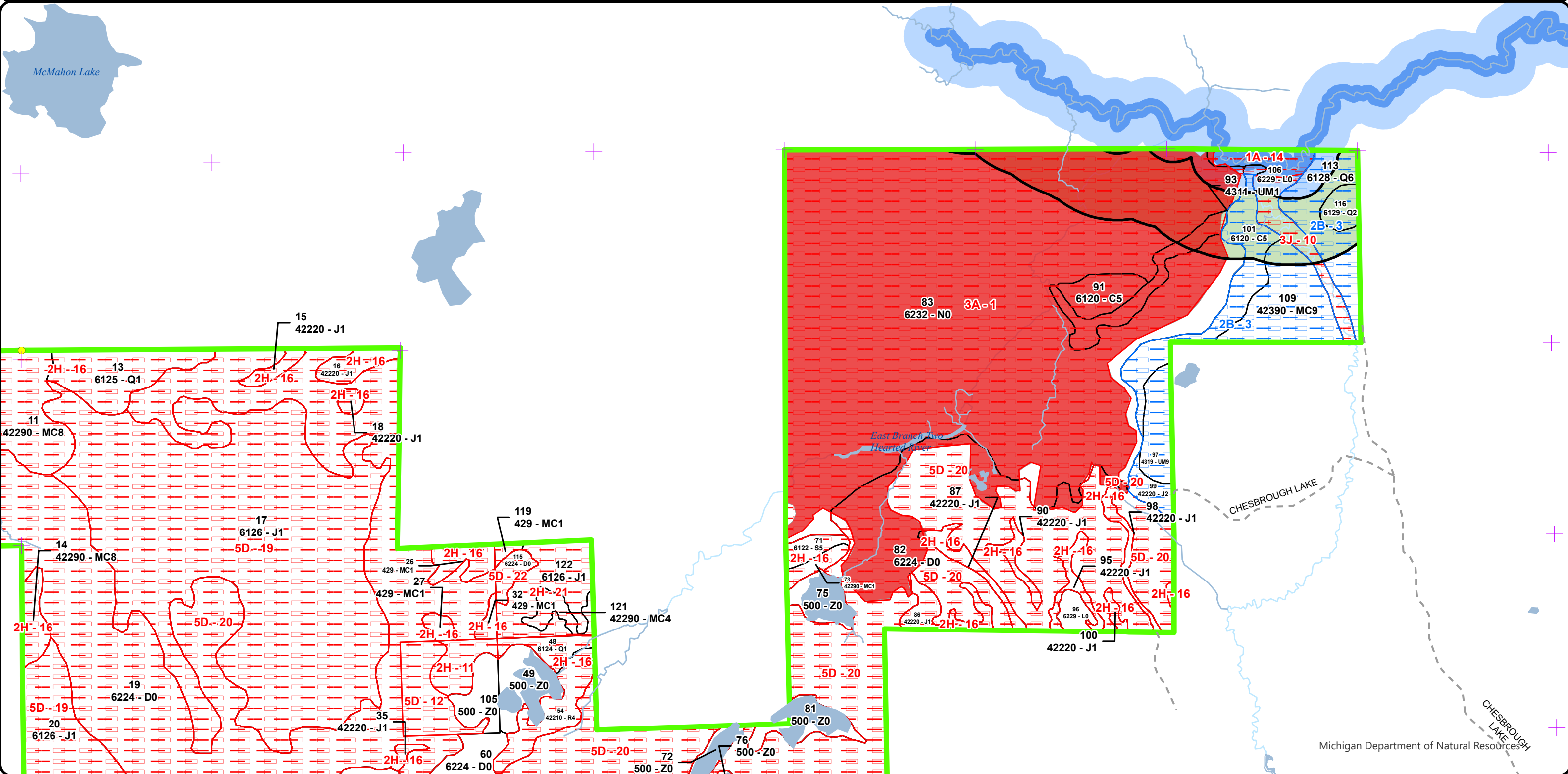
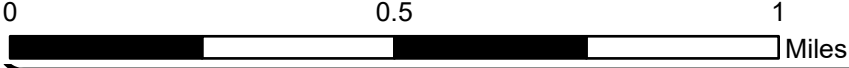


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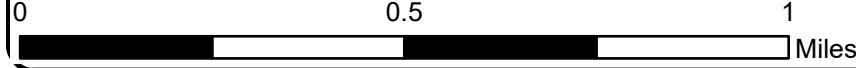
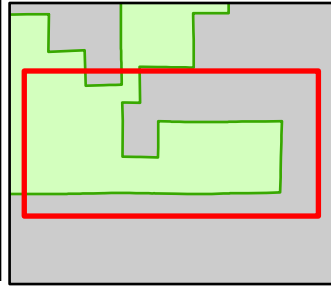
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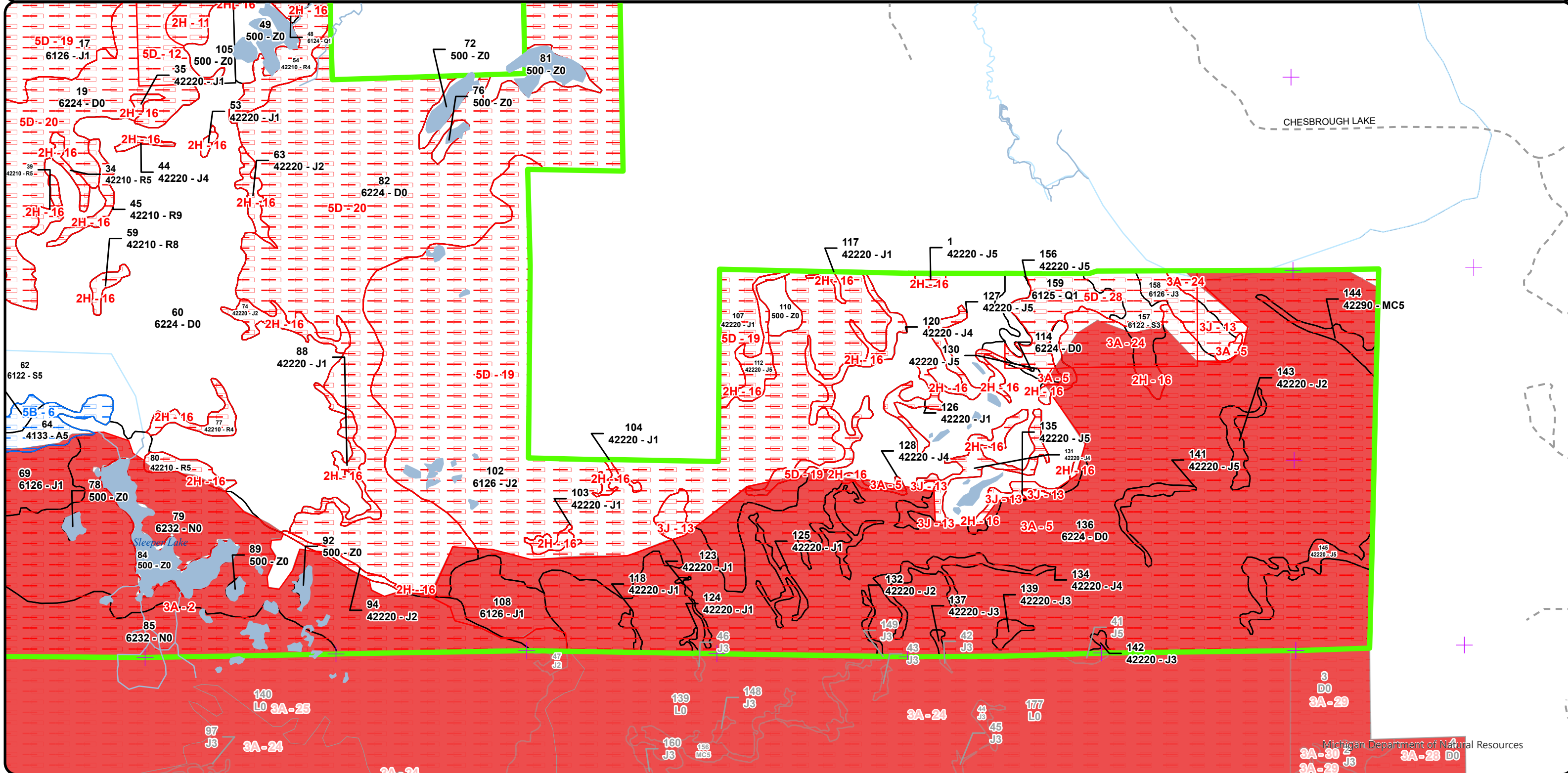
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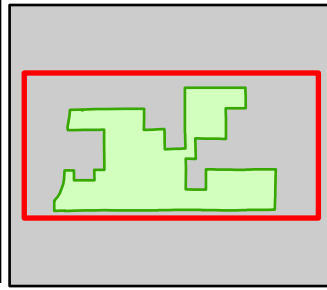


- Remonumented Section Corners
- Private - Dirt / Gravel Road
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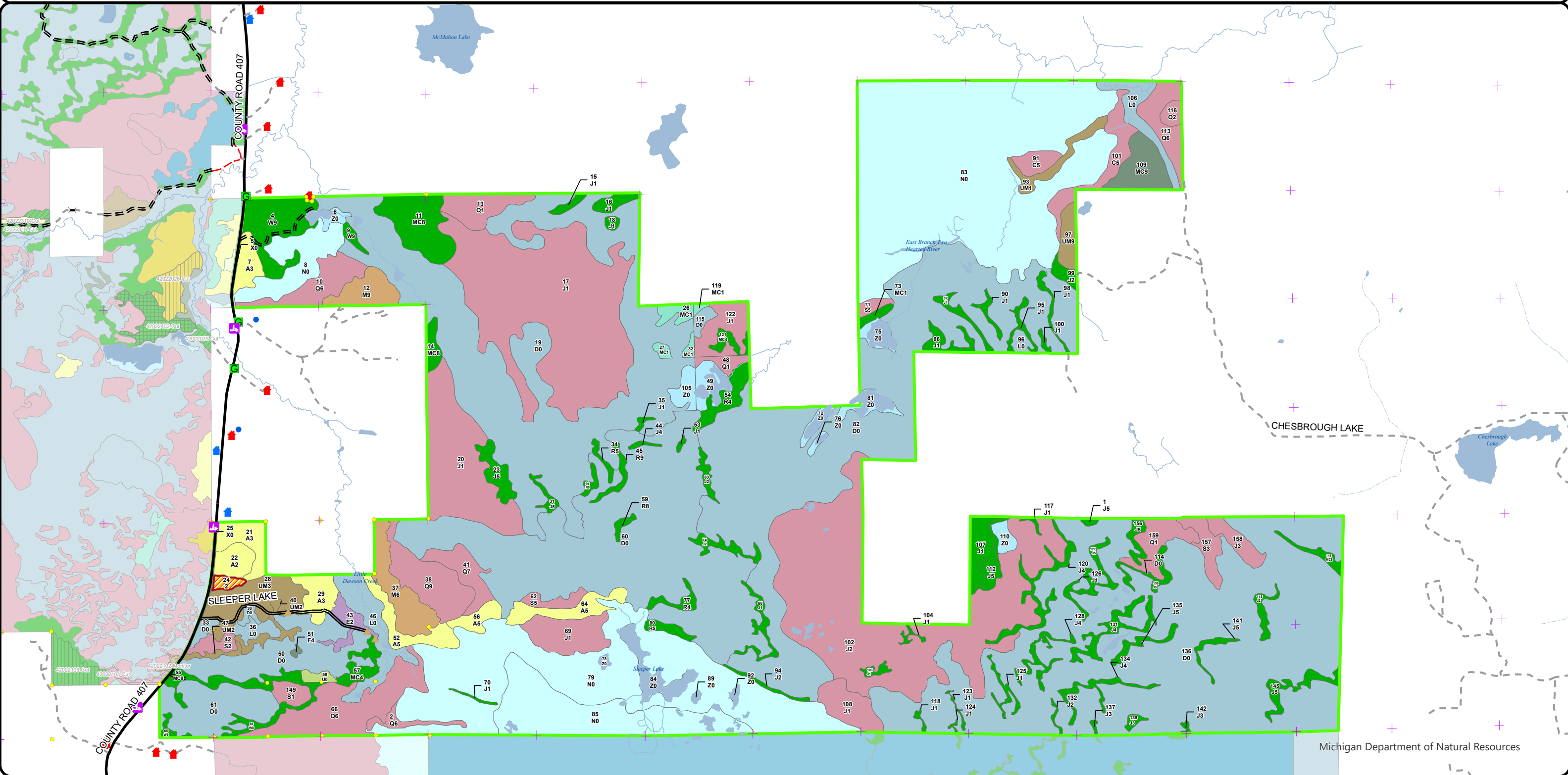
0 0.5 1 Miles

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- No Stand Data



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**

Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 28

Year of Entry 2025

Matt Payment : Examiner



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+	Unseen-Aged	Total
	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Aspen	0	0	38	0	36	0	0	0	0	59	0	0	0	0	0	0	0	0	133
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	42
Jack Pine	0	0	1001	0	37	28	62	2	0	0	19	0	45	0	0	0	0	0	1194
Lowland Conifers	0	0	61	0	0	0	0	6	0	35	89	78	24	0	0	0	0	0	291
Lowland Deciduous	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Shrub	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Lowland Spruce/Fir	0	0	0	9	0	0	0	0	0	10	10	22	0	0	0	0	0	0	51
Marsh	1082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1082
Natural Mixed Pines	0	0	4	0	0	0	0	0	0	0	27	22	54	0	0	0	0	0	107
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	39	25	0	0	0	0	0	0	64
Red Pine	0	0	0	0	0	0	0	0	0	13	0	0	0	33	0	0	0	0	46
Treed Bog	2578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2578
Upland Conifers	0	0	15	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	47
Upland Mixed Forest	0	10	64	5	0	0	0	0	0	0	14	0	0	0	0	0	0	0	93
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
White Pine	0	0	0	0	0	0	0	0	0	16	0	4	47	0	0	0	0	0	67
Total	3852	24	1183	20	73	28	62	8	0	133	199	183	212	33	0	0	0	0	6008



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 28
Total Compartment Acres: 6,008

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



S
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d

Treatment
Name

Acres

Stand
CoverType

Size
Density

Stand
Age

BA
Range

Treatment
Type

Treatment
Method

Cover Type
Objective

Age
Structure

Habitat
Cut

Total Treatment
Acreage Proposed: 0

Report 4 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 28
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions												
		With Condition	Not Available		2B	5B	5C	1A	2G	2H	3A	3J	5D	5E			
133	74	59	0	Aspen		59											
41	0	29	12	Cedar	29			1			12						
1193	9	6	1178	Jack Pine	6					197	165	5	810				
293	3	138	152	Lowland Conifers	35	24	79		50	35	1	44	23				
14	13	0	0	Lowland Deciduous								0	0	0			
79	50	0	30	Lowland Shrub		0		9			0	18					2
52	10	10	33	Lowland Spruce/Fir		10				8	5		20				
1082	98	0	984	Marsh		0		0			983	1					
107	0	13	94	Natural Mixed Pines		13				87	7	0	1				
64	64	0	0	Northern Hardwood		0											
47	0	0	47	Red Pine						47							
2578	691	0	1887	Treed Bog		0				11	752	12	1,112				
47	0	32	15	Upland Conifers	32					15							
92	62	14	16	Upland Mixed Forest	14						16		0				
5	5	0	0	Upland Shrub									0				
1	1	0	0	Upland Spruce/Fir													
7	7	0	0	Urban		0											
100	96	0	4	Water		0					4						
67	22	45	0	White Pine		45											
6,002	1,204	346	4,452	Total Forested Acres	116	151	79	10	50	400	1,944	80	1,966	2			
	20%	6%	74%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3A: Conservation Values incompatible with harvest at this time	613	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
McMahon Lake Patterned fen ERA								

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 28
 Year of Entry: 2025

2	Unavailable	3A: Conservation Values incompatible with harvest at this time	489	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sleeper lake patterned fen ERA							
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	116	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3A: Conservation Values incompatible with harvest at this time	812	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
6	Available	5B: Maintain for regeneration purposes	93	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Burned in Sleeper Lake Fire in 2007. Regeneration coming in nicely.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Limited access to the stand now that the bridge is removed. Hold this stand for age class diversity in hemlock in the immediate area.							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 28
 Year of Entry: 2025

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	34	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Portion of the original stand burned in Sleeper Lake Fire in 2007. Hold this portion (new stand) for age class diversity in lowland conifers in the immediate area. Access issues.							
9	Available	5B: Maintain for regeneration purposes	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was harvested in 1986 as sale #020-85. Nice regeneration becoming established.							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5D: Unproductive Forest Land	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 28
 Year of Entry: 2025

14	Unavailable	1A: Federal/State/Local Law	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural river management zone							
15	Unavailable	5D: Unproductive Forest Land	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	335	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5D: Unproductive Forest Land	802	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 28
 Year of Entry: 2025

20	Unavailable	5D: Unproductive Forest Land	1,002	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5D: Unproductive Forest Land	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5D: Unproductive Forest Land	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3A: Conservation Values incompatible with harvest at this time	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 28
 Year of Entry: 2025

26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Road is flooded out year round.							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5D: Unproductive Forest Land	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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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.

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	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.
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	Poletimber Medium	1.4	55	1-50	N/A	small island in the marsh with some red and jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		10	Pole/Log	9		Black Spruce	Low	Variable	Sapling
Jack Pine		90	Pole	8	55	Jack Pine	Medium	< 5 feet	Sapling
2	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.0	95	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		20	Pole	8		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar		30	Pole	9	95	Tag Alder	Low	5 - 10 feet	Tall Shrub
Tamarack		30	Pole	8		Black Spruce	Low	Variable	Sapling
Red Maple		10	Pole	9					
White Pine		10	Pole/Log	10					
4	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	46.8	110	81-110	N/A	Large diameter white pine over regenerating aspen, maple, balsam and birch. Stand was harvested in 1986 as sale #020-85. Some scattered white birch and red maple poles left as residual. Some areas of the stand are fully stocked large diameter white pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole	9		Balsam Fir	Low	< 5 feet	Sapling
Paper Birch		10	Pole	8		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		10	Pole/Sapling	6		Aspen (spp.)	Medium	10 - 20 feet	Sapling
Red Pine		5	Log/Pole	11		Red Maple	Medium	Variable	Sapling
5	110 - Low Intensity Urban	Nonstocked	2.5			No	County Road 407 and cleared ROW		
6	500 - Water	Nonstocked	7.5			No			
7	4134 - Aspen, Spruce/Fir	Sapling Well	15.2	37	1-50	N/A	Some scattered overtopping WP along with some scattered balsam and spruce. Balsam / spruce is regenerating with aspen. Some scattered R. Maple and birch poles still standing that didn't get cut. Sale # 012-85.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		5	Sapling	3		White Pine	Low	Variable	Sapling
White Spruce		10	Pole/Sapling	5		Aspen (spp.)	Medium	5 - 10 feet	Sapling
Paper Birch		5	Pole/Sapling	5		Red Maple	Low	5 - 10 feet	Sapling
White Pine		5	Log	14		Balsam Fir	Medium	Variable	Sapling
Red Maple		15	Pole/Sapling	5		White Spruce	Low	5 - 10 feet	Sapling
Quaking Aspen		45	Sapling	4	37				
Black Cherry		5	Sapling	3					
Balsam Fir		10	Sapling	3					
8	6239 - Mixed Emergent Wetland	Nonstocked	51.4			No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
9	42200 - Natural White Pine	Sawtimber Well	4.0	105	111-140	N/A	Subtle ridge with WP and spruce on it. It is an island of timber in a marsh. Stand lies just west of the fire line from Sleeper Lake Fire in 2007.																																																				
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10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	35.3	83	81-110	N/A																																																					
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11	42290 - Natural Mixed Pine	Sawtimber Medium	47.7	110	111-140	N/A	Large diameter white pine with red pine. Mixed understory. Much of the balsam in the understory was killed by Sleeper Lake Fire. Stand was burned through by the Sleeper Lake Fire in 2007.																																																				
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12	4115 - Y.Birch, Hemlock NH	Sawtimber Well	25.2	100	51-80	N/A	Red maple stand with sawlog and pulp sized trees. Runs of better quality, many areas of lower quality. Pockets of large aspen and pockets of hemlock. More white birch along the east stand edge. Beech is all but dead in the stand. 11/29/18: Harvested via Selection cut in 2018; Fire's Edge Hardwoods, #022-15. Selection harvest.																																																				
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13	6125 - Lowland Black Spruce, Jack Pine	Sapling Poor	27.5	16	Unspecified	N/A	Stand is mixed of jack pine, spruce, balsam, aspen and red maple. The entire area is regenerating following the Sleeper Lake Fire in 2007. Regeneration heights of 4-5 ft. Prior to the fire, the stand was comprised of a mix of lowland conifers.																																																				
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14	42290 - Natural Mixed Pine	Sawtimber Medium	8.6	105	51-80	N/A	Stand was burned through during the Sleeper Lake Fire in 2007.																																					
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15	42220 - Natural Jack Pine	Sapling Poor	4.0	16	Unspecified	N/A	Stand is mostly small jack pine. The entire area is regenerating to young jack pine following the Sleeper Lake Fire in 2007. Regeneration heights of 5-10 ft. Prior to the fire, the stand was comprised of a mix of black spruce with jack pine.																																					
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17	6126 - Lowland Jack Pine	Sapling Poor	324.3	16	Immature	N/A	Stand is a mosaic of small jack pine "ridges" and low areas. Almost the entire area is regenerating to young jack pine following the Sleeper Lake Fire in 2007. Regeneration heights on the slight ridges is 4-5 ft and slightly lower heights, 3-4 ft, in the lowland areas. Prior to the fire, the stand was comprised of low, open areas with some black spruce and slightly higher areas with jack pine. Stand is more "forested" than prior to the fire.																																					
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19	6224 - Treed Bog	Nonstocked	515.2			No																																						
20	6126 - Lowland Jack Pine	Sapling Poor	118.7	16	Immature	N/A	Stand is a mosaic of small jack pine "ridges" and low areas. Almost the entire area is regenerating to young jack pine following the Sleeper Lake Fire in 2007. Regeneration heights on the slight ridges is 5-10 ft and slightly lower heights, 3-4 ft, in the lowland areas. Prior to the fire, the stand was comprised of low, open areas with some black spruce and slightly higher areas with jack pine. Stand is more "forested" than prior to the fire.																																					
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21	4133 - Aspen, Mixed Pine	Sapling Well	23.0	16	Immature	N/A	***Stand harvested as "Sleeper Lakes Mix" (019-05-01). Sale completed 01/24/07. Harvesting took place in fall of 2006. All red pine, white pine, hemlock, cedar and yellow birch were left as residual. Summer 2012: Aspen Fully Stocked. Aspen 10-15 ft tall, scattered overstory log size white pine left after harvest. Eastern portion of the stand has higher component of residual white pine.																																																								
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22	4133 - Aspen, Mixed Pine	Sapling Medium	15.3	16	Immature	N/A	Stand was harvested as "Sleeper Lakes Mix" (019-05-01). Sale completed 01/24/07. Cutting took place in fall of 2006. All red pine, white pine, hemlock, cedar and yellow birch was left as residual where present. Summer 2012: Fully Stocked																																																								
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23	42220 - Natural Jack Pine	Poletimber Medium	14.7	95	1-50	N/A	Stand was a mix of spruce and jack pine prior to the Sleeper Lake Fire in 2007. Jack pine poles are the residual stand. Regeneration of young jack pine and some black spruce 5-10 ft tall make up the sub canopy.																																																								
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24		Sapling Medium	5.8	27	1-50	N/A	Stand was treated, sale #042-95. Sale was cut in 1996. Soil type is Paquin-Spot complex. Stand is regenerating to aspen, R. maple and spruce. Scattered WP sawlog sized trees as well as uncut p. birch, spruce, and R. maple left as residual in the overstory.																																																								
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25	122 - Road/Parking Lot	Nonstocked	4.3			No	County Road 407 and ROW																																																								



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26	429 - Mixed Upland Conifers	Sapling Poor	8.1	16	1-50	N/A	Slight ridge of white pine, spruce and jack pine. Burned over in Sleeper Lake Fire, 2007. Some white pine and spruce pole size trees still remain. Lots of blowdown.																																																																	
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28	4319 - Mixed Upland Forest	Sapling Well	47.6	16	Immature	N/A	Stand was harvested as "Sleeper Lakes Mix" (019-05-01). Sale completed 01/24/07. Cutting took place in fall of 2006. All red pine, white pine, hemlock, cedar and yellow birch were left as residual where present. Summer 2012: Aspen Fully Stocked. Prior to harvest, the stand was mainly black spruce and jack pine with a component of aspen, white pine.																																																																	
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29	4134 - Aspen, Spruce/Fir	Sapling Well	20.4	36	1-50	N/A	Cut in 1987																																																																	
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31	42220 - Natural Jack Pine	Poletimber Medium	4.5	95	51-80	N/A	Stand was a mix of spruce and jack pine prior to the Sleeper Lake Fire in 2007. Jack pine poles are the residual stand. Regeneration of young jack pine and some black spruce 3-5 ft tall make up the sub canopy.																																																																	
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34	42210 - Natural Red Pine	Poletimber Medium	3.5	120	81-110	N/A	Burned through by the Sleeper Lake Fire, 2007. Approximately 80% canopy still alive. Small areas where the stand is wide open from the fire and others where the canopy is still pretty much intact. Jack pine was removed from the stand via the fire. Most of the white pine didn't survive the fire either.																																																							
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35	42220 - Natural Jack Pine	Sapling Poor	1.7	17	1-50	N/A																																																								
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36	6229 - Mixed lowland shrub	Nonstocked	9.6	0	Unspecified	6122 - Black Spruce	Stand harvested via Clearcut: Sleeper Lake Mix #42-015-15. Stand is situated on a complex of sand ground with lowland mixed in. Ground cover ranges from bracken fern to lowland brush. Soil type is Paquin-Spot complex.																																																							
37	4115 - Y.Birch, Hemlock NH	Poletimber Well	39.1	95	51-80	N/A	Stand was harvested via Shelterwood: Sleeper Lake Mix #42-015-15. Dense yellow birch, beech and maple regeneration from below. Red maple with beech, hemlock, and yellow birch. Component of yellow birch. Pockets of hemlock up to 1/2 ac is size. A few low areas throughout the stand within the hemlock pockets (vernal areas). Medium quality red maple stand overall. Evidence of old harvests (stumps, skid trails, etc.).																																																							
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38	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	49.6	105	111-140	N/A	Lowland stand mixed spruce, fir, pine, and hemlock with small amount of maple scattered throughout.																																																							
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40	4319 - Mixed Upland Forest	Sapling Medium	9.6	8	Immature	N/A	Stand regenerating moderately. Wetter area slower to regenerate. Stand harvested via clearcut w/ retention: Sleeper Lake Mix #42-015-15.																																																											
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41	6127 - Lowland Pine	Sawtimber Poor	24.3	115	1-50	N/A	Large red and white pine bordering the edge of the Sleeper Lakes ERA. Stand was burned through in 2007.																																																											
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42	6122 - Black Spruce	Sapling Medium	9.2	28	51-80	N/A	Stand was part of sale #016-95. Sale was cut in 1995. Soil type is Paquin Spot Complex. A few scattered p. birch, WP left in the overstory.																																																											
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43	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	13.6	8	Immature	N/A	Stand harvested via Clearcut w/ retention: Sleeper Lake Mix #42-015-15. Portion of the Stand not treated is to remain as creek buffer and long term retention; merged into adjacent lowlands along creek.																																																											
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							Previous notes: Black spruce stand with white pine, cedar and white birch. Scattered low quality aspen. More cedar mixed in closer to Dawson Creek. Portion of the stand south of Sleeper Lake Rd is higher ground, slight ridge of spruce.																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
44	42220 - Natural Jack Pine	Poletimber Poor	1.7	65	51-80	N/A	Small island mainly jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole	7	65	Jack Pine	Medium	< 5 feet	Sapling
45	42210 - Natural Red Pine	Sawtimber Well	6.1	120	81-110	N/A	Larger ridge of red pine with some jack left after the Sleeper lakes fire in 2007. Jack pine regeneration coming in but patchy in places.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		15	Pole	9		Jack Pine	Low	< 5 feet	Sapling
Red Pine		85	Log/Pole	14	120				
46	6220 - Alder/willow	Nonstocked	40.5		Unspecified	No	Tag alder zone buffering the Dawson Creek		
47	4311 - Pine, Aspen Mix	Sapling Medium	4.7	28	51-80	N/A	Stand was part of sale #016-95. Sale was cut in 1995. A few scattered p. birch, WP and RP left in the overstory. Regeneration of aspen is 10-15 ft tall, scattered spruce regeneration. Some jack pine regen as well.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Pole/Log	12		Black Spruce	Low	< 5 feet	Sapling
Quaking Aspen		50	Sapling	2	28	Aspen (spp.)	Low	< 5 feet	Sapling
White Pine		5	Log/Pole	12	100				
Black Spruce		20	Sapling	2					
Jack Pine		20	Sapling	2					
48	6124 - Lowland Spruce-Fir	Sapling Poor	7.5	16	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Black Spruce		40	Sapling	1					
Northern White Cedar		10	Pole	7					
Balsam Fir		45	Sapling	1	16				
Tamarack		5	Pole	7					
49	500 - Water	Nonstocked	16.7			No			
50	6224 - Treed Bog	Nonstocked	87.0			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Medium		Sapling					
Tamarack		Low		Sapling					
51	42320 - Upland Spruce	Poletimber Poor	1.2	91	1-50	N/A	Subtle island of spruce in the middle of a treed bog		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		100	Pole/Sapling	6	91	Black Spruce	Low	5 - 10 feet	Sapling
						Balsam Fir	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
52	4133 - Aspen, Mixed Pine	Poletimber Medium	23.8	89	111-140	N/A	Stand burned through by Sleeper Lake Fire in 2007. Western portion of the stand has a higher component of white pine. Good component of red oak. Red oak seedlings throughout stand, 6 inches tall.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole	9		Aspen (spp.)		
Red Oak		10	Log	10		Balsam Fir		
White Pine		15	Log/Pole	12		White Pine		
Quaking Aspen		60	Pole	9	89	Red Maple		
Red Pine		5	Log/Pole	14				
53	42220 - Natural Jack Pine	Sapling Poor	1.1	16	1-50	N/A	Stand burned over in Sleeper Lake Fire in 2007. Young jack pine regenerating.	
Canopy Species		% Cover	Size Class	DBH	Age			
Jack Pine		100	Sapling	1	16			
54	42210 - Natural Red Pine	Poletimber Poor	17.3	120	1-50	N/A	Ridge of white pine and red pine that burned in teh Sleeper Lake Fire, 2007. Most of the white pine is dead, good component of the red pine survived. White birch and oak both burned in the fire.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		30	Pole/Log	12		Aspen (spp.)		
Red Pine		70	Pole/Log	12	120	Jack Pine		
						Red Maple		
55	42290 - Natural Mixed Pine	Sawtimber Medium	19.7	90	111-140	N/A	White pine and red pine ridge with pockets of aspen. Edges of stand consist of black spruce. Two borrow (sand) pits near Co Rd 407. Pockets of nice pine. Narrow ridge.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		35	Log/Pole	10		Black Spruce		
White Pine		55	Log	14	90	White Pine		
Quaking Aspen		10	Pole	9		Red Pine		
56	4133 - Aspen, Mixed Pine	Poletimber Medium	11.8	89	111-140	N/A	Stand burned through by the Sleeper Lake Fire in 2007. Pockets of mature aspen 70-80 yrs old that didn't burn. Areas of the stand are more pine. Much of the larger white pine is dead as a result of the Sleeper Lake Fire. White birch is dying out. Good regeneration in open areas. Rolling topography.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		5	Pole	9		Red Oak		
Quaking Aspen		70	Pole/Log	10	89	Aspen (spp.)		
White Pine		15	Pole	9		Red Maple		
Red Pine		10	Log/Pole	14				
57	42290 - Natural Mixed Pine	Poletimber Poor	13.0	105	51-80	N/A	Stand was harvested via Shelterwood: Sleeper Lake Mix #42-015-15. White pine ridge along the Dawson Creek. Sleeper Lake Fire firelane runs through the stand, providing access to this stand an also the adjacent aspen stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		50	Log	12	105	Balsam Fir		
Red Pine		33	Log/Pole	10		Black Spruce		
Paper Birch		5	Pole	8		Aspen (spp.)		
Black Spruce		10	Pole	8		Northern White Cedar		
Red Maple		2	Pole	9				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
66	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	79.5	95	81-110	N/A	Majority of the stand acquired from TNC in 2018.																																										
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68	42200 - Natural White Pine	Sawtimber Medium	12.2	89	51-80	N/A	White pine ridge with spruce and aspen. Sleeper Lake Fire fire lane down through the middle of the stand. Eastern half of the stand was acquired by TNC in 2018.																																										
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70	42220 - Natural Jack Pine	Sapling Poor	1.6	16	51-80	N/A	Small ridge of jack pine. Burned over in Sleeper Lake Fire, 2007. Young jack pine regeneration.																																										
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73	42290 - Natural Mixed Pine	Sapling Poor	4.4	16	1-50	N/A	White pine stand that was burned over by the Sleeper Lake Fire in 2007. Overstory almost completely gone.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
74	42220 - Natural Jack Pine	Sapling Medium	8.8	16	Immature	N/A	Ridge of jack pine. Burned over in Sleeper Lake Fire, 2007. Young jack pine regeneration with a component of aspen regen as well. Lots of standing dead snags. Regeneration is 4-5 ft tall.																															
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75	500 - Water	Nonstocked	10.9			No																																
76	500 - Water	Nonstocked	2.7			No																																
77	42210 - Natural Red Pine	Poletimber Poor	7.0	81	51-80	N/A	Burned through by the Sleeper Lake Fire, 2007. Approximately 50% canopy still alive. Areas where the stand is wide open from the fire and others where the canopy is still pretty much intact. Jack pine was removed from the stand via the fire. Most of the white pine didn't survive the fire either.																															
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78	500 - Water	Nonstocked	1.6			No																																
79	6232 - Wet Prairie	Nonstocked	342.6			No																																
80	42210 - Natural Red Pine	Poletimber Medium	6.4	81	81-110	N/A	Burned through by the Sleeper Lake Fire, 2007. Approximately 70% canopy still alive. Areas where the stand is wide open from the fire and others where the canopy is still pretty much intact. Jack pine was removed from the stand via the fire. A component of the white pine survived the fire.																															
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Jack Pine	Medium	< 5 feet	Sapling																																			
81	500 - Water	Nonstocked	12.2			No																																
82	6224 - Treed Bog	Nonstocked	566.6			No	Treed bog that burned hard during the Sleeper Lake Fire in 2007. Most of the black spruce and jack pine burned. regeneration of jack pine starting to fill in many areas.																															
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Jack Pine	Medium		Sapling																																			
83	6232 - Wet Prairie	Nonstocked	562.9			No	Stand falls within the Patterned Fen MNFI designation.																															
84	500 - Water	Nonstocked	21.3			No	Sleeper Lake																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
85	6232 - Wet Prairie	Nonstocked	125.0			No	Unique Pattered Fen characteristics.
86	42220 - Natural Jack Pine	Sapling Poor	9.7	16	Immature	N/A	Ridges that burned over in the Sleeper Lake Fire in 2007. Jack pine regeneration with some aspen regeneration, averaging 5-10 ft tall.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Jack Pine	85	Sapling	1	16	
		Quaking Aspen	15	Sapling	1		
87	42220 - Natural Jack Pine	Sapling Poor	6.6	16	Immature	N/A	Ridges that burned over in the Sleeper Lake Fire in 2007. Jack pine regeneration with some aspen regeneration, averaging 5-10 ft tall.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Quaking Aspen	15	Sapling	1		
		Jack Pine	85	Sapling	1	16	
88	42220 - Natural Jack Pine	Sapling Poor	9.4	16	Immature	N/A	Narrow ridge of jack and white pine. Burned over in Sleeper Lake Fire, 2007. Young jack pine regeneration with some aspen regeneration. A small component of jack pine and white pine pole size timber still alive after the fire.
		Canopy Species	% Cover	Size Class	DBH	Age	
		White Pine	5	Pole/Log	10		
		Quaking Aspen	15	Sapling	1		
		Jack Pine	80	Sapling	1	16	
		Sub-Canopy Species	Density	Avg. Height	Size		
		Jack Pine	Low	>20 feet	Pole		
89	500 - Water	Nonstocked	1.1			No	
90	42220 - Natural Jack Pine	Sapling Poor	4.0	16	Immature	N/A	Ridges that burned over in the Sleeper Lake Fire in 2007. Jack pine regeneration with some aspen regeneration, averaging 4-5 ft tall.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Quaking Aspen	10	Sapling	1		
		Jack Pine	90	Sapling	1	16	
91	6120 - Lowland Cedar	Poletimber Medium	11.7	118	111-140	N/A	
		Canopy Species	% Cover	Size Class	DBH	Age	
		Black Spruce	30	Pole	8		
		Northern White Cedar	60	Pole	7	118	
		Tamarack	10	Pole	7		
		Sub-Canopy Species	Density	Avg. Height	Size		
		Tag Alder	Medium	5 - 10 feet	Tall Shrub		
		Black Spruce	Low	Variable	Sapling		
		Northern White Cedar	Low	Variable	Sapling		
92	500 - Water	Nonstocked	1.4			No	
93	4311 - Pine, Aspen Mix	Sapling Poor	15.8	16	Immature	N/A	White pine and red pine ridge that burned over in the Sleeper Lake Fire in 2007. Regeneration of jack pine, aspen, red maple. A few mature red pine left in overstory that didn't die from the fire.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Maple	30	Sapling	1		
		Quaking Aspen	28	Sapling	1		
		Jack Pine	40	Sapling	1	16	
		Red Pine	2	Pole/Log	9		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
94	42220 - Natural Jack Pine	Sapling Medium	4.2	16	Immature	N/A	Small ridge of jack pine. Burned over in Sleeper Lake Fire, 2007. Young jack pine regeneration, fairly thick. 5-10 ft tall.																																																		
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96	6229 - Mixed lowland shrub	Nonstocked	5.0		Unspecified	No																																																			
97	4319 - Mixed Upland Forest	Sawtimber Well	14.1	95	81-110	N/A	Stand is on a hillside of a hardwood island. The stand is a transition from upland to a lowland. WP and hemlock groves. WP is large diameter.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
102	6126 - Lowland Jack Pine	Sapling Medium	375.1	16	Immature	N/A	Stand is a mosaic of small jack pine "ridges" and low areas. The entire area is regenerating to young jack pine following the Sleeper Lake Fire in 2007. Regeneration heights on teh slight ridges is 4-5 ft and slightly lower heights,3-4 ft, in teh lowland areas. Prior to the fire, the stand was comprised of a mix of black spruce with jack pine, all 20 ft tall and 2 inch diameter. Portion of the stand acquired from TNC.																																																						
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103	42220 - Natural Jack Pine	Sapling Poor	3.1	16	1-50	N/A	Ridge of young jack pine regeneration 5-10 ft tall. Stand regenerating as a result of the Sleeper Lake Fire in 2007.																																																						
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105	500 - Water	Nonstocked	11.0			No	Acquired in 2018 as part of TNC trade.																																																						
106	6229 - Mixed lowland shrub	Nonstocked	24.4		Unspecified	No																																																							
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107	42220 - Natural Jack Pine	Sapling Poor	19.4	16	Immature	N/A	Stand is a mosaic of small jack pine "ridges" and low areas. The entire area is regenerating to young jack pine following the Sleeper Lake Fire in 2007. Regeneration heights on the slight ridges is 10-15ft and slightly lower heights, 5-10 ft, in the lowland areas. Prior to the fire, the stand was comprised of a mix of black spruce with jack pine, all 20 ft tall and 2 inch diameter.																																																						
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108	6126 - Lowland Jack Pine	Sapling Poor	27.7	41	1-50	N/A	Stand consists mainly of 25-30 ft tall, 3-4 inch diameter jack pine. Limby, brushy trees. Low ground stand.																																																						
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109	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	31.9	105	81-110	N/A	Larger hemlock, white pine, beech and red maple. Trees are old. Tree regenerating in understory. Hemlock regen is present.																																																						
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110	500 - Water	Nonstocked	7.2			No																																														
112	42220 - Natural Jack Pine	Poletimber Medium	9.3	55	51-80	N/A	Jack pine stand that for the most part survived the Sleeper Lake Fire in 2007. Roughly 70% of pole size jack pine still alive.																																													
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113	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	28.7	101	51-80	N/A	Stand was cut through in the early 80's. They cut 12" and larger hemlock and all balsam spruce and cedar. Stand is now a mix of hemlock, white pine, red maple, cedar and spruce. All seem to be regenerating to some degree. The road running through the stand is drivable in dry seasons.																																													
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114	6224 - Treed Bog	Nonstocked	0.1			No	Open, treed bog stand. Regeneration of young jack pine 3-4 ft tall throughout, resulting from the Sleeper Lake Fire. Majority of the black spruce and jack pine prior to the fire is dead. A few pockets survived.																																													
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115	6224 - Treed Bog	Nonstocked	5.2			No	Acquired in 2018 as part of TNC trade.																																													
116	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	6.3	65	51-80	N/A	Stand is a Q2 / Treed Bog. Grasses, moss and leatherleaf ground cover. Trees are suppressed black spruce, tamarack along with a few larger white pine in the overstory. In certain seasons the road running through the stand is drivable.																																													
117	42220 - Natural Jack Pine	Sapling Poor	1.3	16	Immature	N/A	Small ridge of regenerating jack pine 5-10 ft.																																													
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119	429 - Mixed Upland Conifers	Sapling Poor	1.6	16	Immature	N/A	Acquired in 2018 as part of TNC trade.																																													
120	42220 - Natural Jack Pine	Poletimber Poor	18.1	55	1-50	N/A	Ridge of pole size jack pine. Sleeper Lake Fire in 2007 killed less than half of the trees. Portions of the stand are now young jack pine regeneration.																																													
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121	42290 - Natural Mixed Pine	Poletimber Poor	6.8	92	51-80	N/A	Acquired in 2018 as part of TNC trade. Sleeper Lake fire did not burn as thoroughly here.																										
122	6126 - Lowland Jack Pine	Sapling Poor	27.1	16	Immature	N/A	Acquired in 2018 as part of TNC trade. Fire didn't burn through this in 2007 as hard. Mixed spruce and jack pine young 5-10 feet. Some larger white and red pine scattered throughout.																										
123	42220 - Natural Jack Pine	Sapling Poor	1.4	16	Immature	N/A	small jack pine ridge burned over in 2007 sleeper lake fire. Young jack pine coming in nicely. 5-10ft																										
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124	42220 - Natural Jack Pine	Sapling Poor	0.7	16	Immature	N/A	Some larger jack pine left after sleeper lake fire in 2007 but mainly a young jack pine stand coming in nicely.																										
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125	42220 - Natural Jack Pine	Sapling Poor	5.0	16	Immature	N/A																											
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126	42220 - Natural Jack Pine	Sapling Poor	3.9	16	Immature	N/A																											
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127	42220 - Natural Jack Pine	Poletimber Medium	8.2	55	1-50	N/A	Ridge of pole size jack pine that survived the Sleeper Lake Fire in 2007. A number of the jack pine were killed during the fire but overall the stand is still a fully stocked pole size jack pine stand.																										
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128	42220 - Natural Jack Pine	Poletimber Poor	9.6	55	1-50	N/A	Stand was part of a 1962 sale that was completed in 1968. Most ridges are subtle to moderate. Some older JP still. Sleeper Lake Fire in 2007.																										
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131	42220 - Natural Jack Pine	Poletimber Poor	16.6	116	51-80	N/A	Ridge of jack pine. Only portions of the stand burned in the Sleeper Lake Fire in 2007. Mainly still a pole size jack pine stand. Portions that burned hard are now more of a young jack pine stand. Southwestern portion of the stand has more of a red pine component.																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
132	42220 - Natural Jack Pine	Sapling Medium	1.6	16	Immature	N/A																												
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Canopy Species	% Cover	Size Class	DBH	Age																														
Black Spruce	10	Sapling/Pole	1																															
Red Oak	10	Sapling	1																															
Quaking Aspen	15	Sapling/Pole	1																															
Jack Pine	65	Sapling	1	16																														
134	42220 - Natural Jack Pine	Poletimber Poor	9.4	116	51-80	N/A	Ridge of jack pine that, for the most part, didn't burn in the Sleeper Lake Fire in 2007. In areas that burned, stand is mostly young jack pine and aspen regeneration. Portions that didn't burn are still mature, pole size jack pine.																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Pole</td> <td>8</td> <td>116</td> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Quaking Aspen</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	100	Pole	8	116	Jack Pine	Medium	< 5 feet	Sapling						Quaking Aspen	Low	< 5 feet	Sapling
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Jack Pine	100	Pole	8	116	Jack Pine	Medium	< 5 feet	Sapling																										
					Quaking Aspen	Low	< 5 feet	Sapling																										
135	42220 - Natural Jack Pine	Poletimber Medium	6.7	116	51-80	N/A	Ridge of pole size jack pine with advanced jack pine regeneration coming in after the Sleeper Lake fire burned through it in 2007.																											
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Jack Pine	100	Pole	6	116	Jack Pine	Medium	< 5 feet	Sapling																										
136	6224 - Treed Bog	Nonstocked	854.0			No	Open, treed bog stand. Regeneration of young jack pine 3-4 ft tall throughout, resulting from the Sleeper Lake Fire. Majority of the black spruce and jack pine prior to the fire is dead. A few pockets survived.																											
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137	42220 - Natural Jack Pine	Sapling Well	1.0	16	Immature	N/A																												
139	42220 - Natural Jack Pine	Sapling Well	2.7	16	Immature	N/A	Scattered individual tree mortality, especially on the eastern edge.																											
141	42220 - Natural Jack Pine	Poletimber Medium	4.6	16	1-50	N/A	Young jack pine regeneration from Sleeper Lake Fire in 2007. Slightly more topography. Scattered jack pine poles throughout the stand, especially on the edge.																											
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Jack Pine	85	Sapling/Pole	3	16																														
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142	42220 - Natural Jack Pine	Sapling Well	1.2	16	Immature	N/A	Young jack pine now 5 - 15' tall with oak in association. Regeneration resulting from Sleeper Lake Fire of 2007.																											
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Quaking Aspen	15	Sapling	1																															
Jack Pine	75	Sapling	1	16																														
Red Oak	10	Sapling	1																															
143	42220 - Natural Jack Pine	Sapling Medium	6.2	16	1-50	N/A	Young jack pine regeneration resulting from the Sleeper Lake Fire in 2007. Southern portion of the stand has some mature jack pine in pockets that survived the fire but the majority of the stand is the young jack pine with some aspen regeneration as well.																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
144	42290 - Natural Mixed Pine	Poletimber Medium	6.5	116	51-80	N/A	East portion of the stand has more aspen mixed with red pine. Western portion of the stand is residual jack pine and red pine following the Sleeper Lake Fire in 2007. Ridge extends into the private to the east.																																
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Jack Pine	Medium	< 5 feet	Sapling																																				
145	42220 - Natural Jack Pine	Poletimber Medium	12.4	116	51-80	N/A	Jack pine ridge with component of red pine and some aspen. Sleeper Lake Fire, 2007, burn through this stand, torching out portions of the stand and leaving other portions of the stand still fully stocked. Trees that survived the fire are 4-5 sticks merchantable, 8-10 in avg diameter. Areas where fire burned hot within the stand are more of young jack pine and aspen.																																
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149	6122 - Black Spruce	Sapling Poor	10.4	91	51-80	N/A	Acquired in 2018 as part of TNC trade. Black spruce, tamarack, with some larger white pine trace amounts mixed throughout the stand. Low wet marshy ground making harvesting activities difficult.																																
156	42220 - Natural Jack Pine	Poletimber Medium	6.5	55	51-80	N/A	Acquired in 2018 as part of TNC trade. Ridge of Jack poles and some larger red pine that was burned through in 2007 Sleeper Lake fire. Advanced regeneration coming in of jack pine.																																
157	6122 - Black Spruce	Sapling Well	17.4	104	81-110	N/A	Acquired in 2018 as part of TNC trade. Sleeper Lake fire affected portions of the stand more so than others. Some upland ridges located within the stand. Low wet ground with black spruce, cedar, tamarack and thick areas of tag alder.																																
158	6126 - Lowland Jack Pine	Sapling Well	15.0	16	Immature	N/A	Portion acquired in 2018 as part of TNC trade.																																
159	6125 - Lowland Black Spruce, Jack Pine	Sapling Poor	25.5	16	Immature	N/A	Acquired in 2018 as part of TNC trade. Upland island within stand of jack and red pine. The remainder of the stand in low wet ground mainly black spruce and tamarack. Portions of the stand were burned through in 2007 Sleeper Lake fire.																																