



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41043

Entry Year 2024

Acreage: 1,957

County Schoolcraft

Management Area: Seney Manistique Swamp

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**Stand Examiner:** Adam Petrelius

**Legal Description:**

T42N R15W, Sections 30, 31 : T42N R16W, Sections 1, 2, 12, 13, 24, 25, 36

**Identified Planning Goals:**

The main goal of this compartment is to conduct multiple resource management for current and future generations.

**Soil and topography:**

The topography within the compartment is variable and includes some steep ridges in the northeast. The majority of the southern end of the compartment is flat and low ground. Elevation values peak at 728 feet and drop to 607 at the Manistique River edge. With the exception of a few stands, most of the compartment is forested. Most common cover types are cedar and mixed swamp conifers. Carbondale/Lupton/Tawas is the most common soil type.

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

State land within this compartment was acquired between 1926 and 1985. The compartment boundary borders private, state land, and some industry land. It is mostly used by hunters, ORV's, and snowmobiles.

**Unique Natural Features:**

Under Review

**Archeological, Historical, and Cultural Features:**

Under Review

**Special Management Designations or Considerations:**

Most of the land is located within a deer wintering area.

**Watershed and Fisheries Considerations:**

This compartment contains Sturgeon Hole Creek, the Mainstem Manistique River, and Sturgeon Hole Slough.

Sturgeon Hole Creek has split fisheries regulations in this compartment. Upstream of M94, Sturgeon Hole Creek is a designated trout stream less than 50' width with a predicted mean July temperature of 63.0 °F (cold stream). Upstream of M94, 300' buffers are recommended for Sturgeon Hole Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, or areas downstream of M94, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

The Mainstem Manistique River is a non-designated river greater than 50' width with a predicted mean July temperature of 70.3 °F (cool stream). 100' plus 5' per 1% increase in slope; buffers are recommended for the Mainstem Manistique River to protect riparian areas in accordance with Best Management Practices.

Sturgeon Hole Slough is 47-acre inland waterbody connecting Sturgeon Hole Creek to the Mainstem Manistique River. 100' plus 5' per 1% increase in slope; buffers are recommended for Sturgeon Hole Slough to protect shoreline and shoreland areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment lies across the boundary of the Seney Sand Lake Plain and the Escanaba/Door Peninsula sub-subsections. The growing season is approximately 130 days. Extreme minimum temperatures are around -35 degrees F. Annual average snowfall is 1000 inches. The compartment falls within the Seney Manistique Swamp Management Area which highlights the following Featured Species: Moose, sharp-tailed grouse, snowshoe hare and white-tailed deer. General Land Office (GLO) Surveyor notes show the circa 1850 upland forest consisted of white pine, hemlock, red pine, spruce, fir, and red maple. Lowlands were dominated by cedar, spruce, and tamarack. Windthrow, fire, flooding, and beaver ponding were likely the major forms of natural disturbance. Current upland forests are substantially altered from pre-settlement conditions. Oak, aspen, and open grasslands are now the dominant cover types. Lowlands are similar in species composition to pre-settlement conditions. This compartment is located within a major deer yard. Wildlife habitat

objectives are largely associated with maintaining closed canopy conifer forest, early successional forest for browse, and open grass lands for spring time grazing. Other wildlife species of interest that utilize this compartment include smooth green snake, red-backed salamander, great-horned owl and ruffed grouse.

### **Mineral Resource and Development Concerns and/or Restrictions**

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. Active sand/gravel and limestone/dolostone quarries occur just outside the compartment on the west, but the compartment appears to be predominantly low-lying and wet, which would inhibit any surface mining. No current 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:**

The Haywire Grade, M94, and the Low High Rollways Road provide good access to the compartment. There is a lack of woods roads though due to the lowland soils found throughout.

### **Survey Needs:**

Some stands are bordering private ownership and survey work may be needed.

### **Recreational Facilities and Opportunities:**

The Haywire Grade travels through the compartment. It is a designated snowmobile trail and ORV route.

### **Fire Protection:**

Response time to fire will be fairly fast due to good access and distance from Thompson office. Most of the fuels are low ground, dense cedar and swamp conifers. Numerous water sources exist.

### **Additional Compartment Information:**

#### **The following reports from the Inventory are attached:**

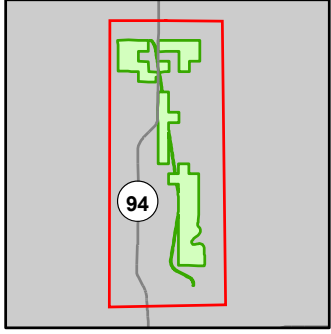
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

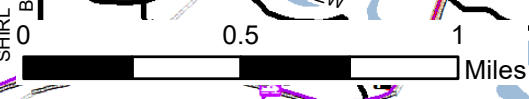
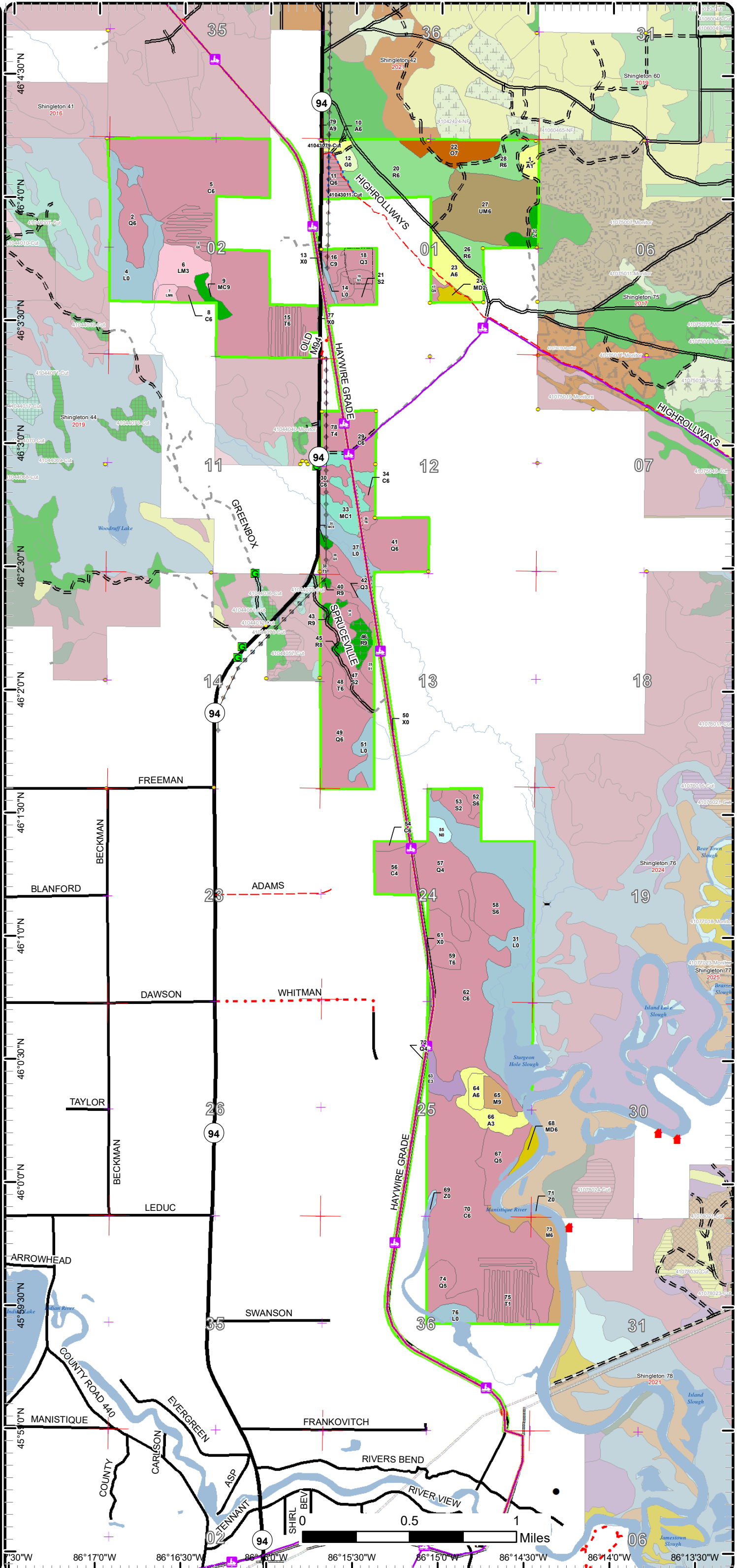
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 43  
 T42N, R16W, Sec. 1, 2, 12, 13,  
 24, 25, 36  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Seney Manistique  
 Swamp  
 YOE: 2024  
 Acres: 1957 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/17/2022  
 Map Phase: Web Post



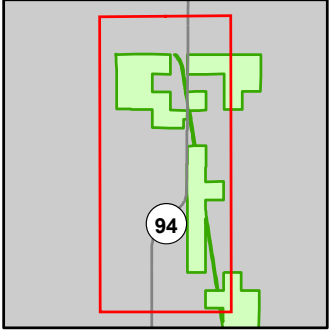
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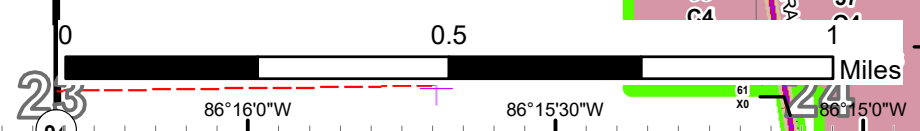
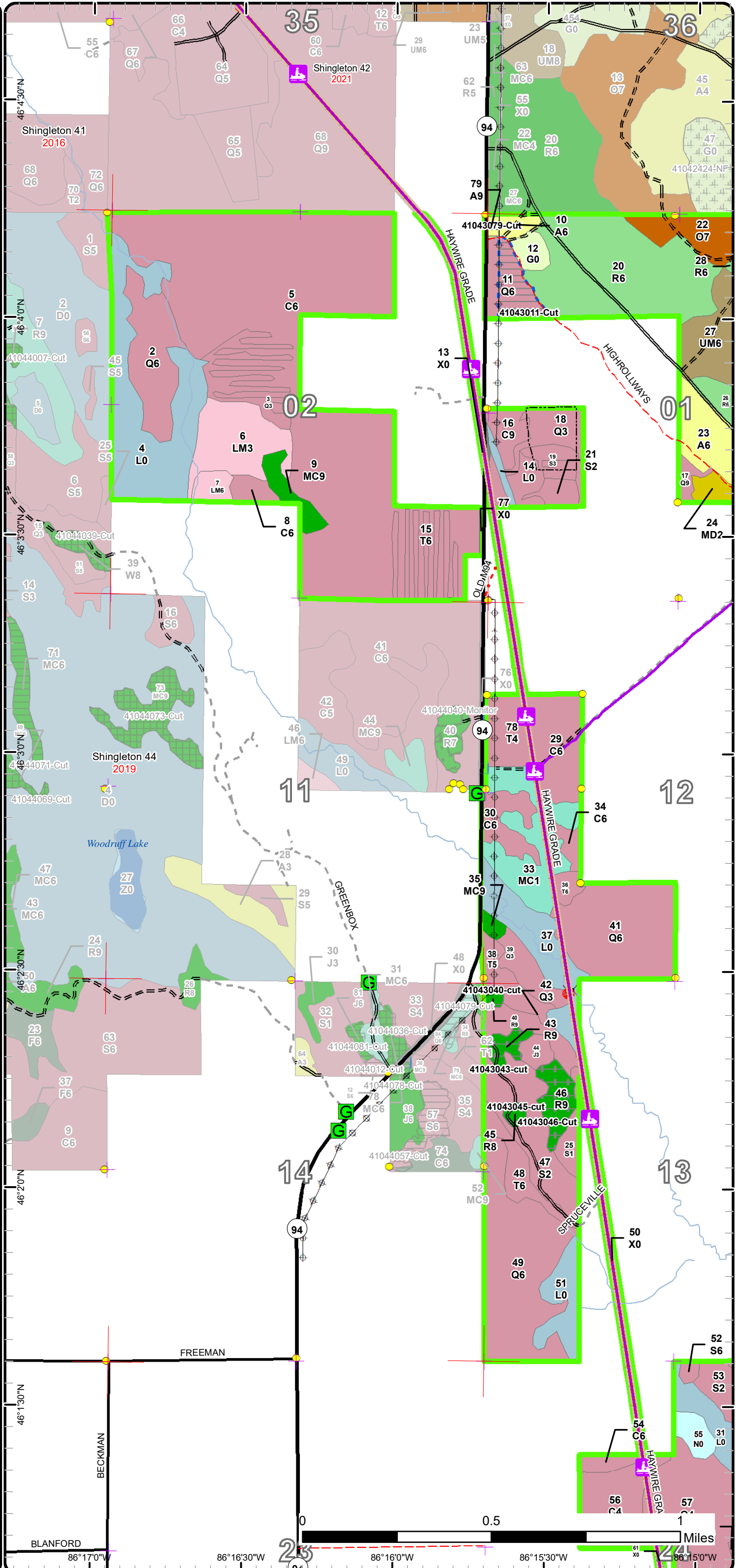
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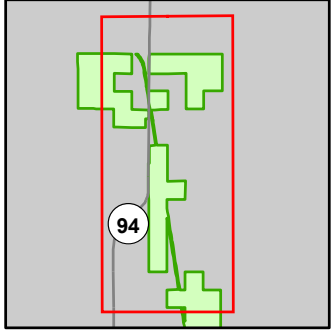


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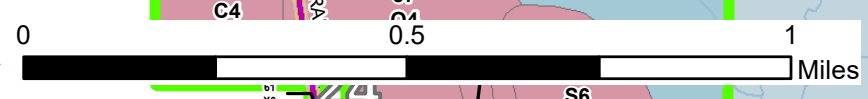
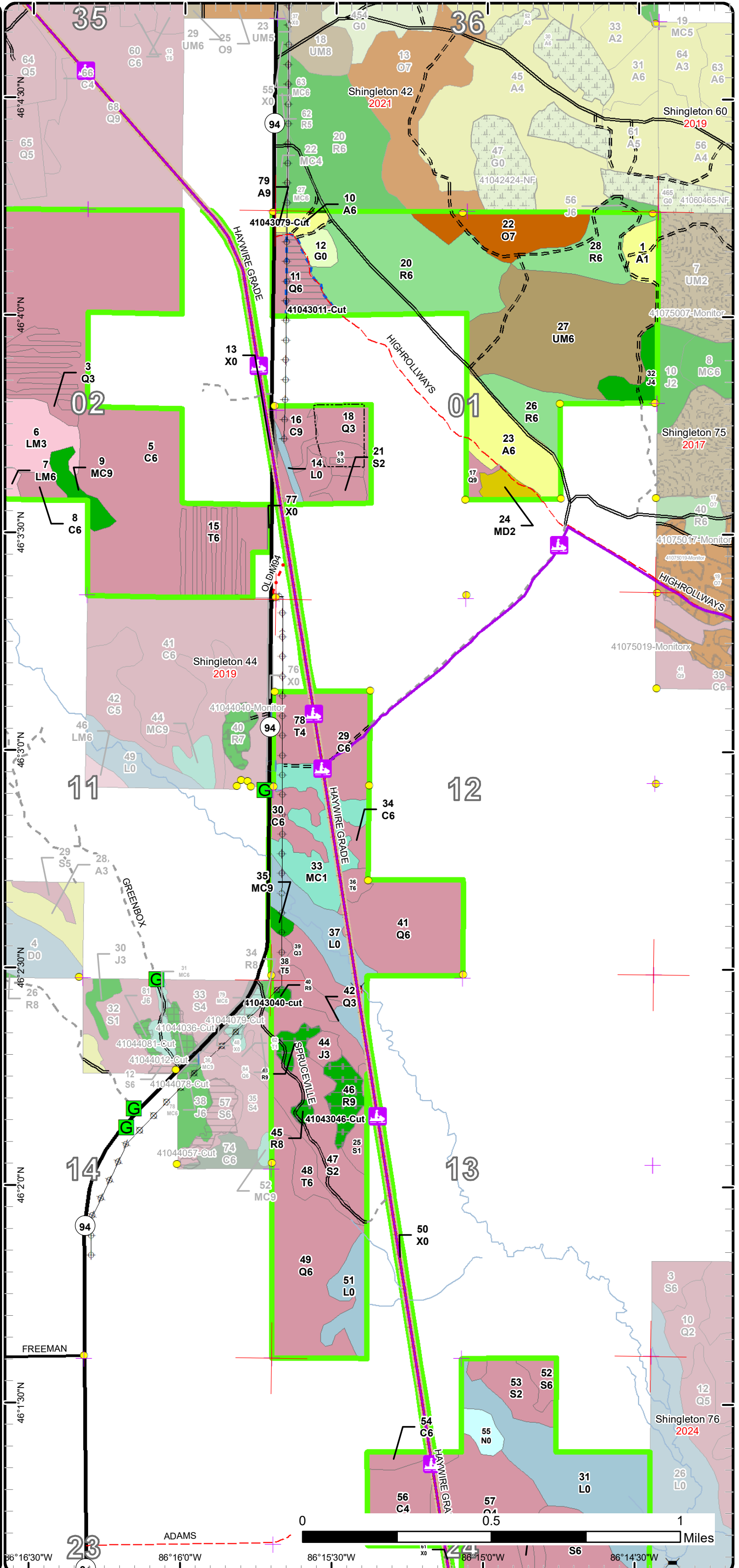


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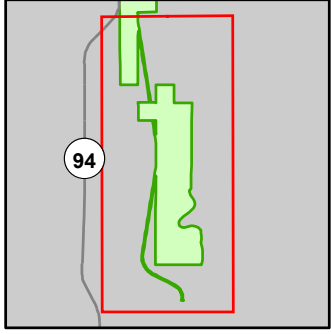
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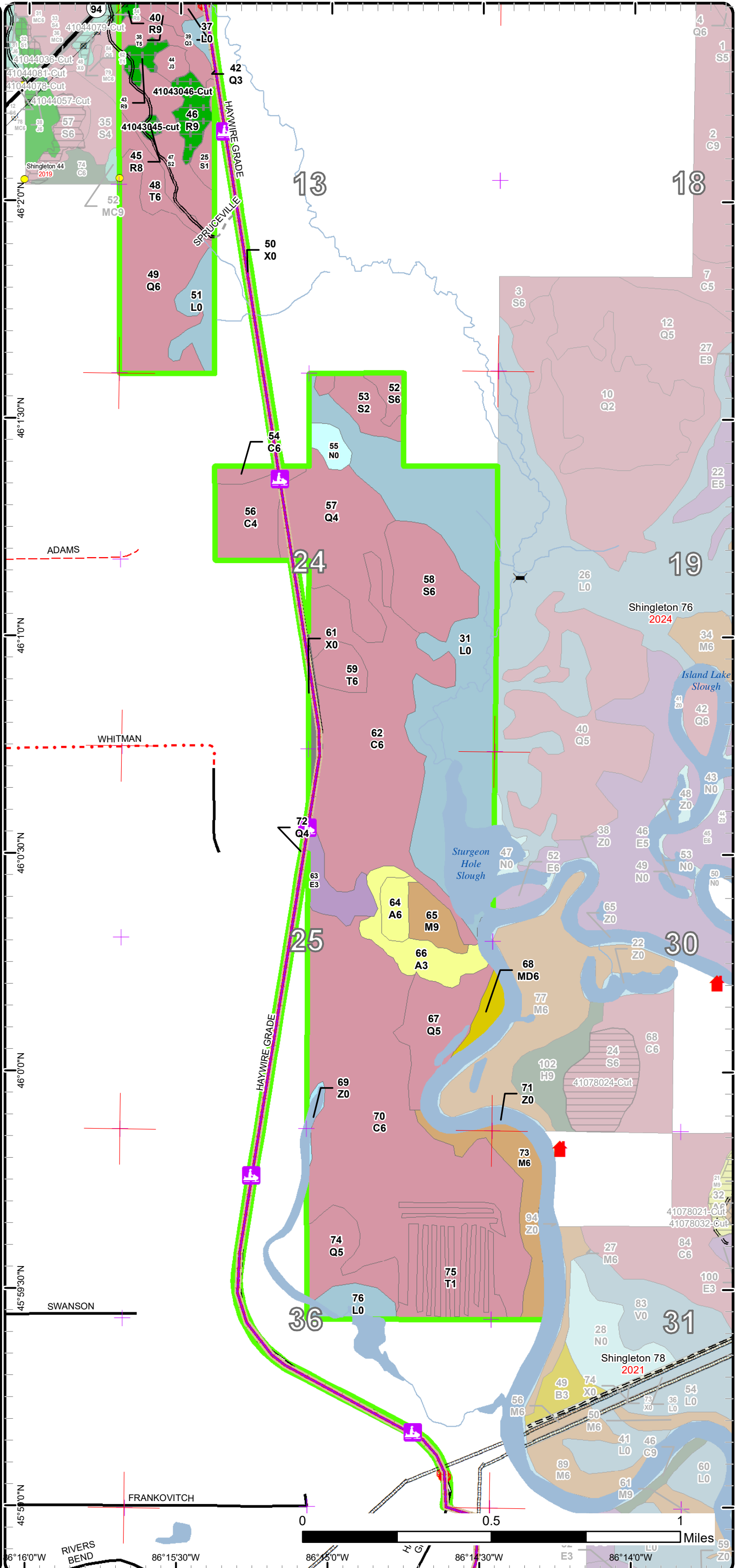
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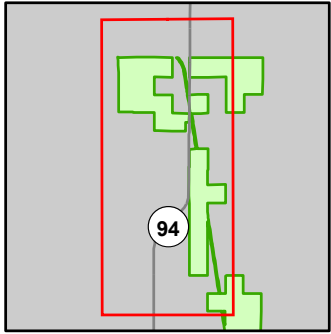


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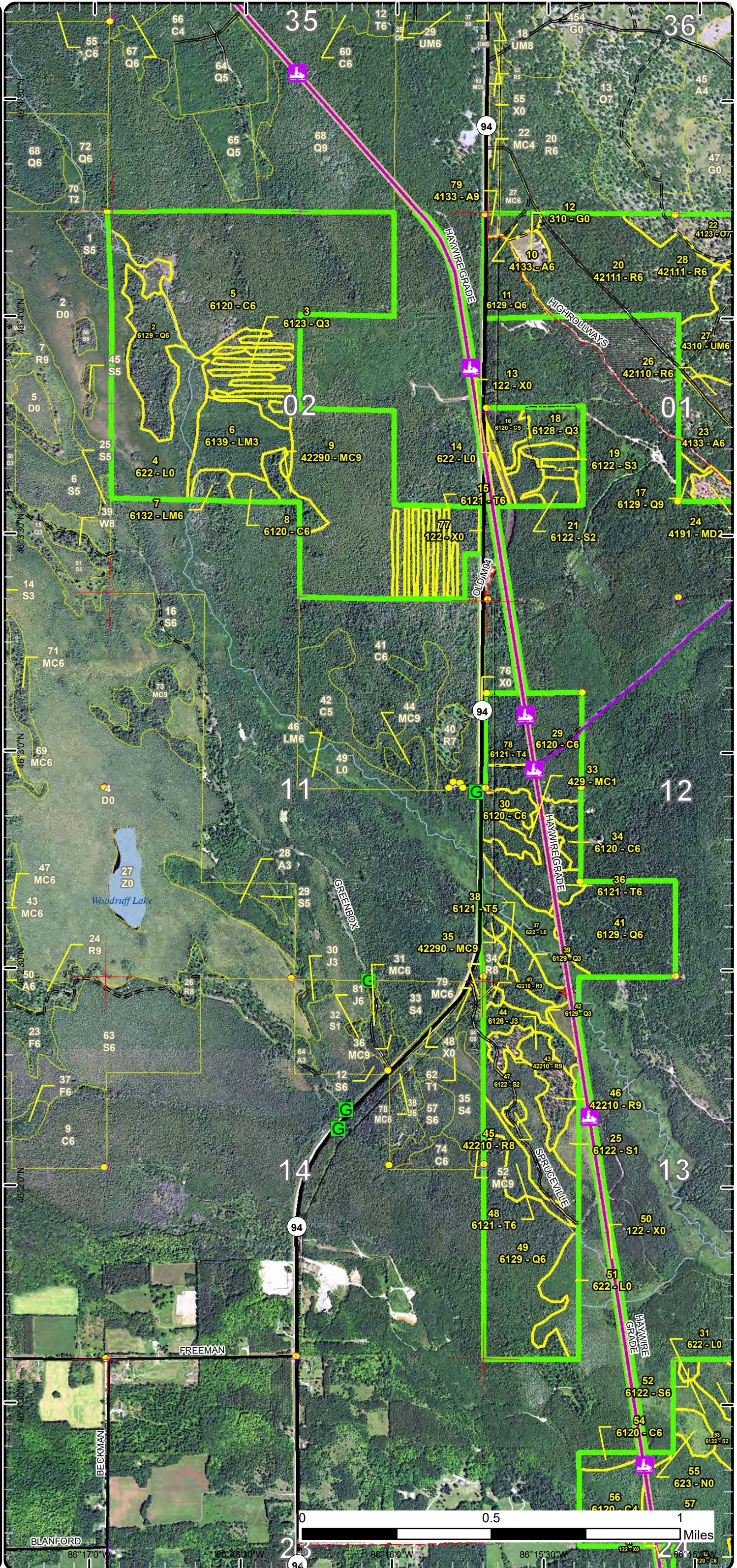


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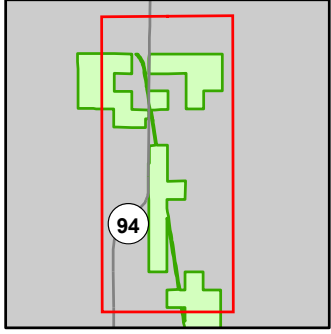


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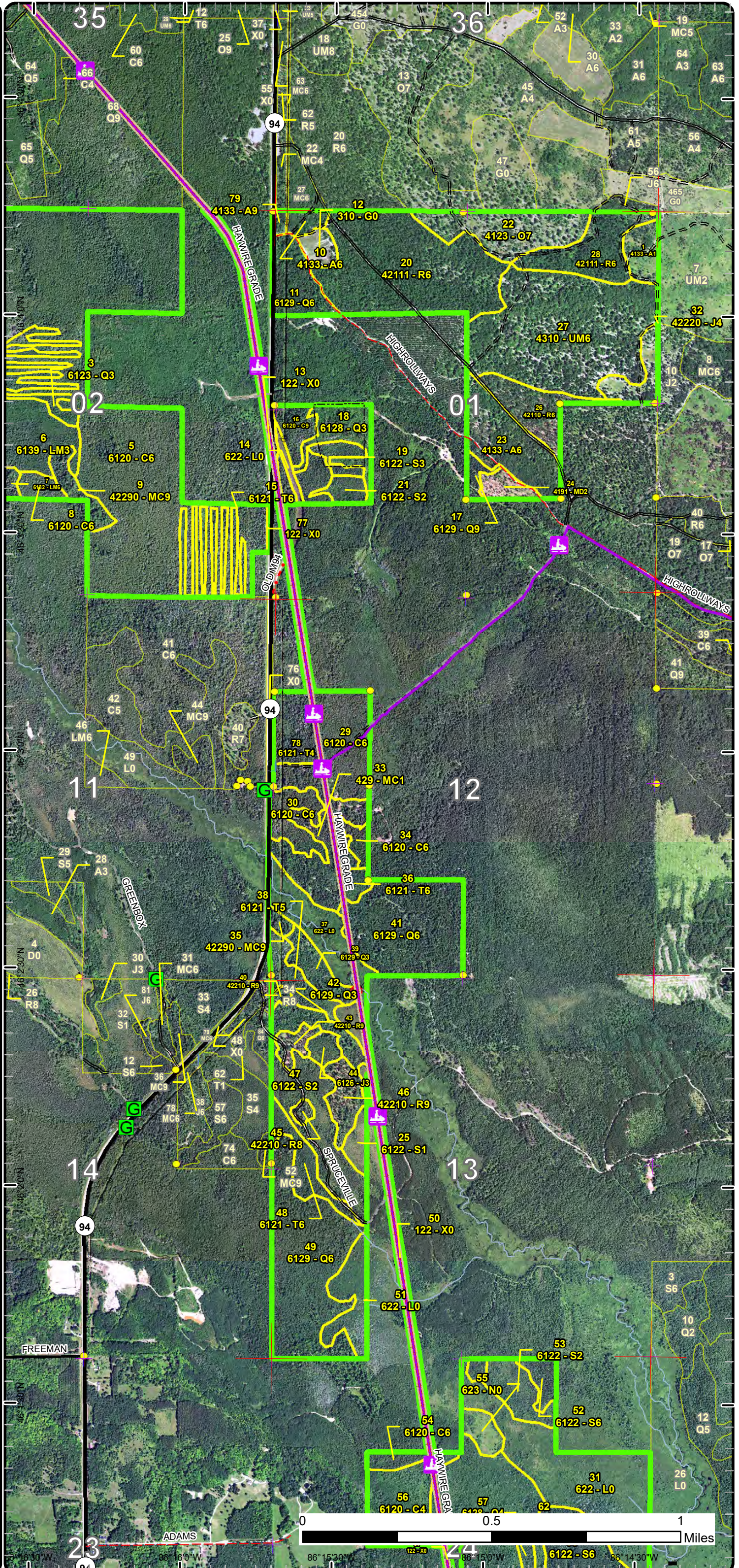


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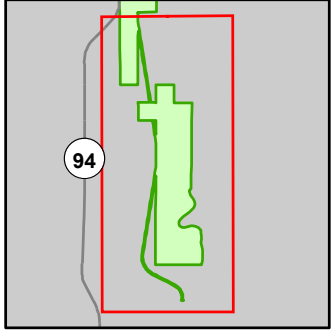
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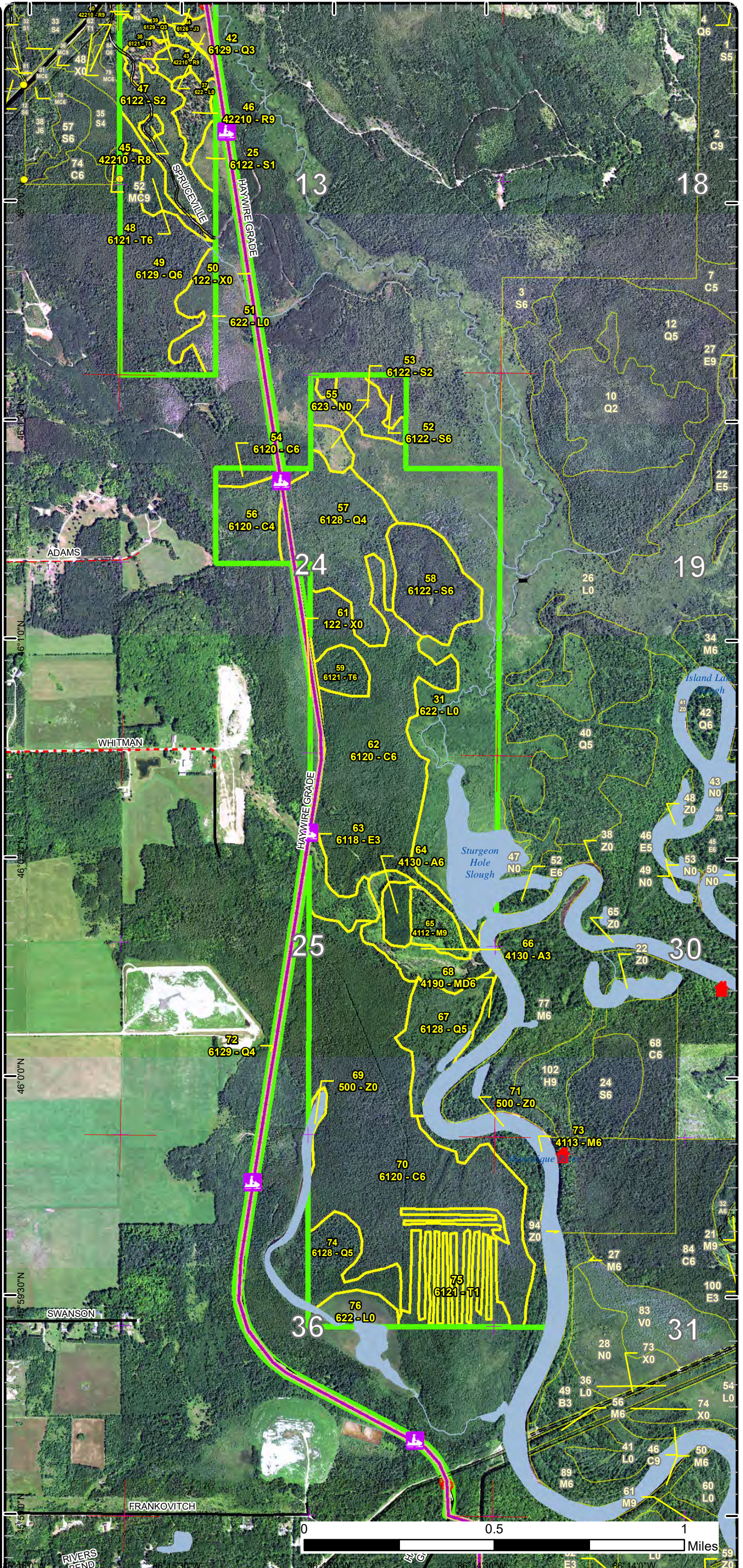


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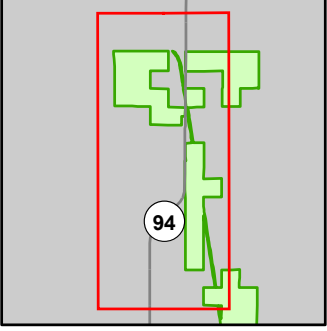


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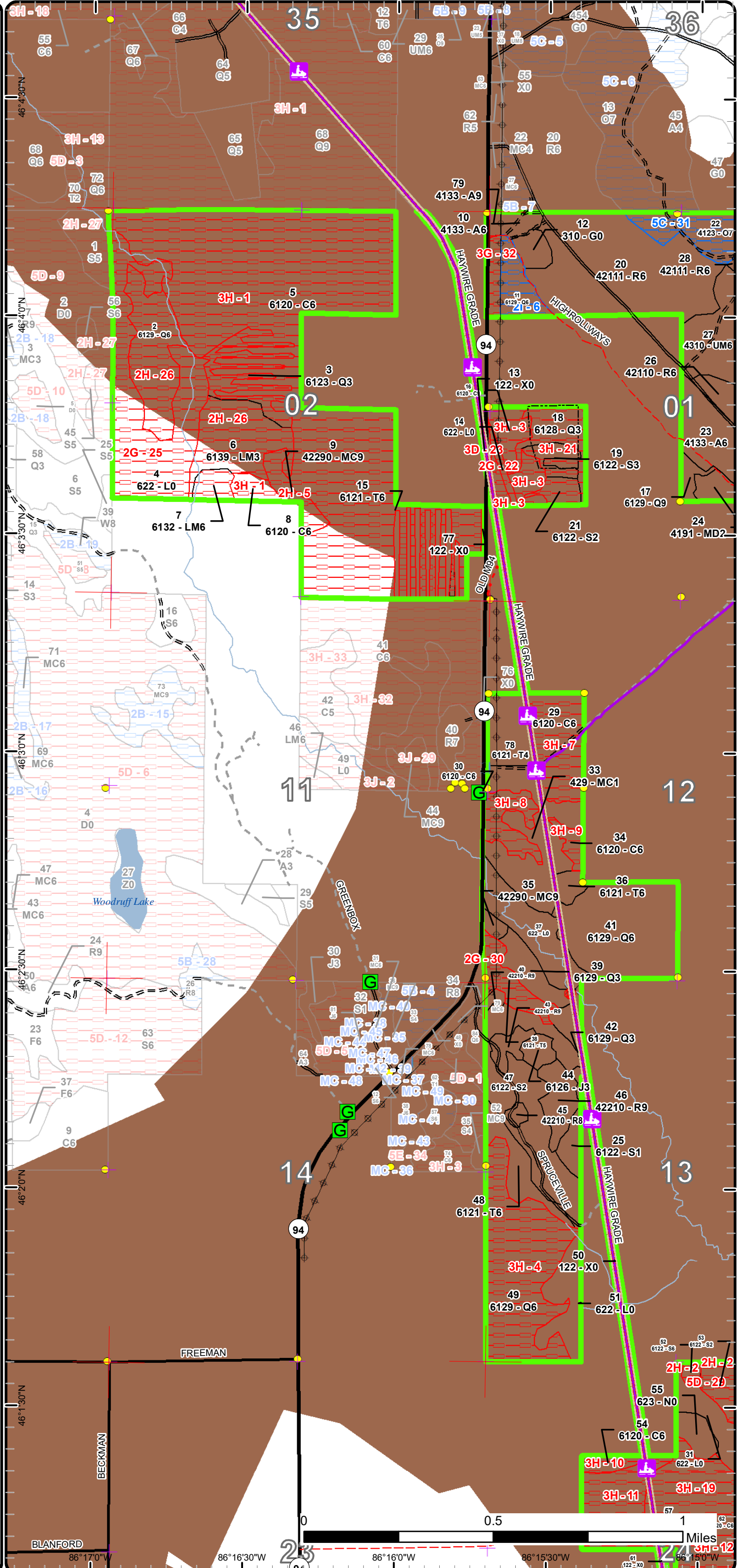


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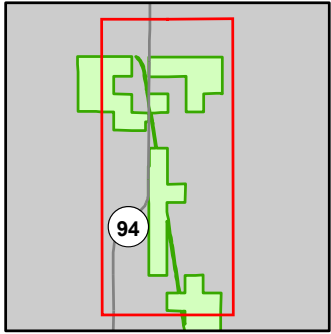
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- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



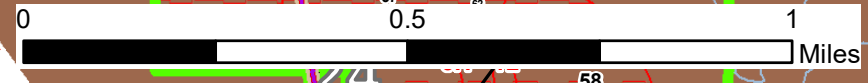
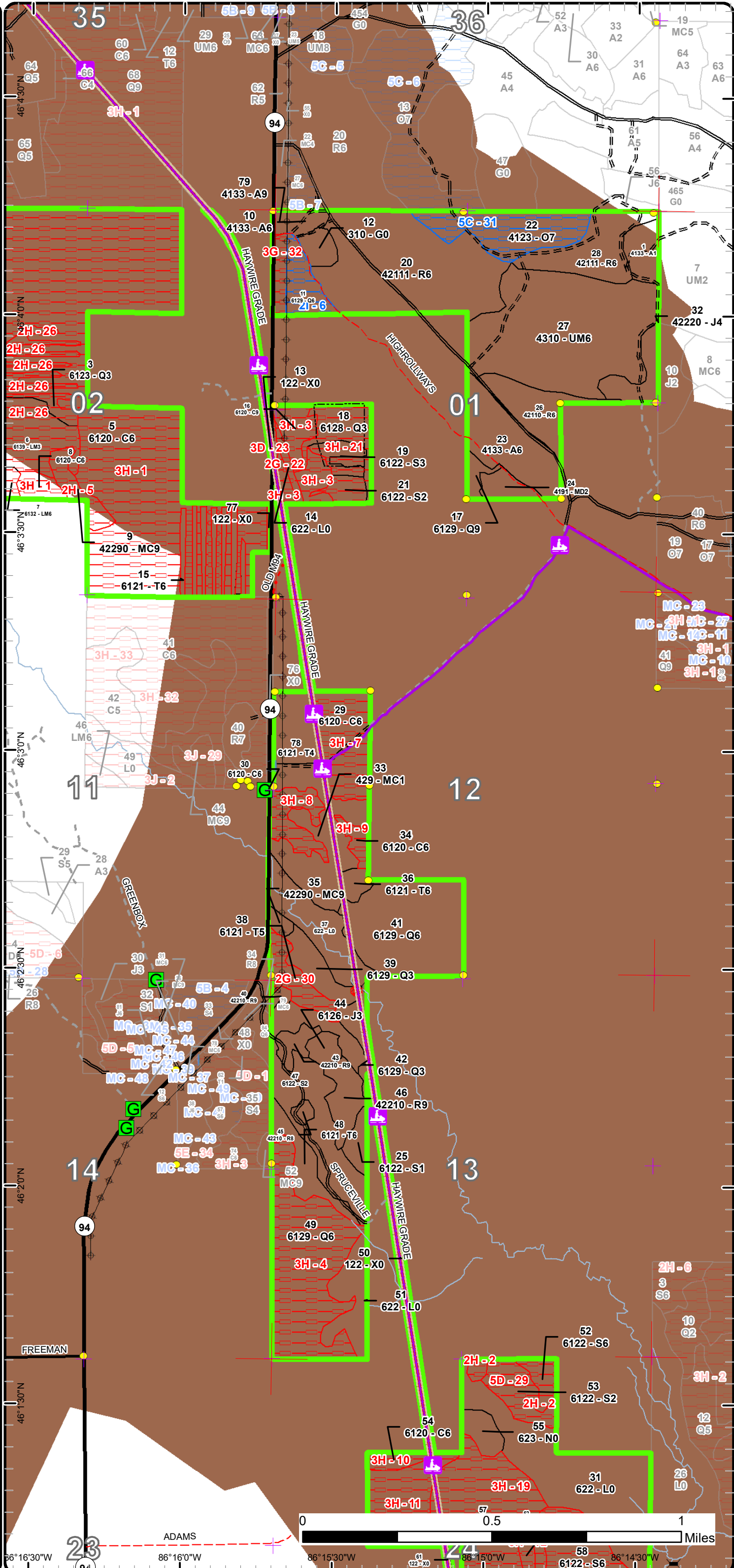
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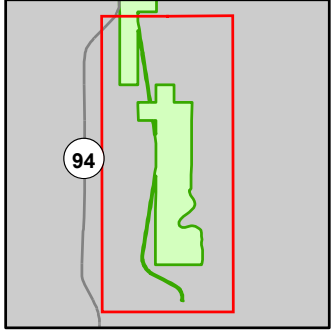
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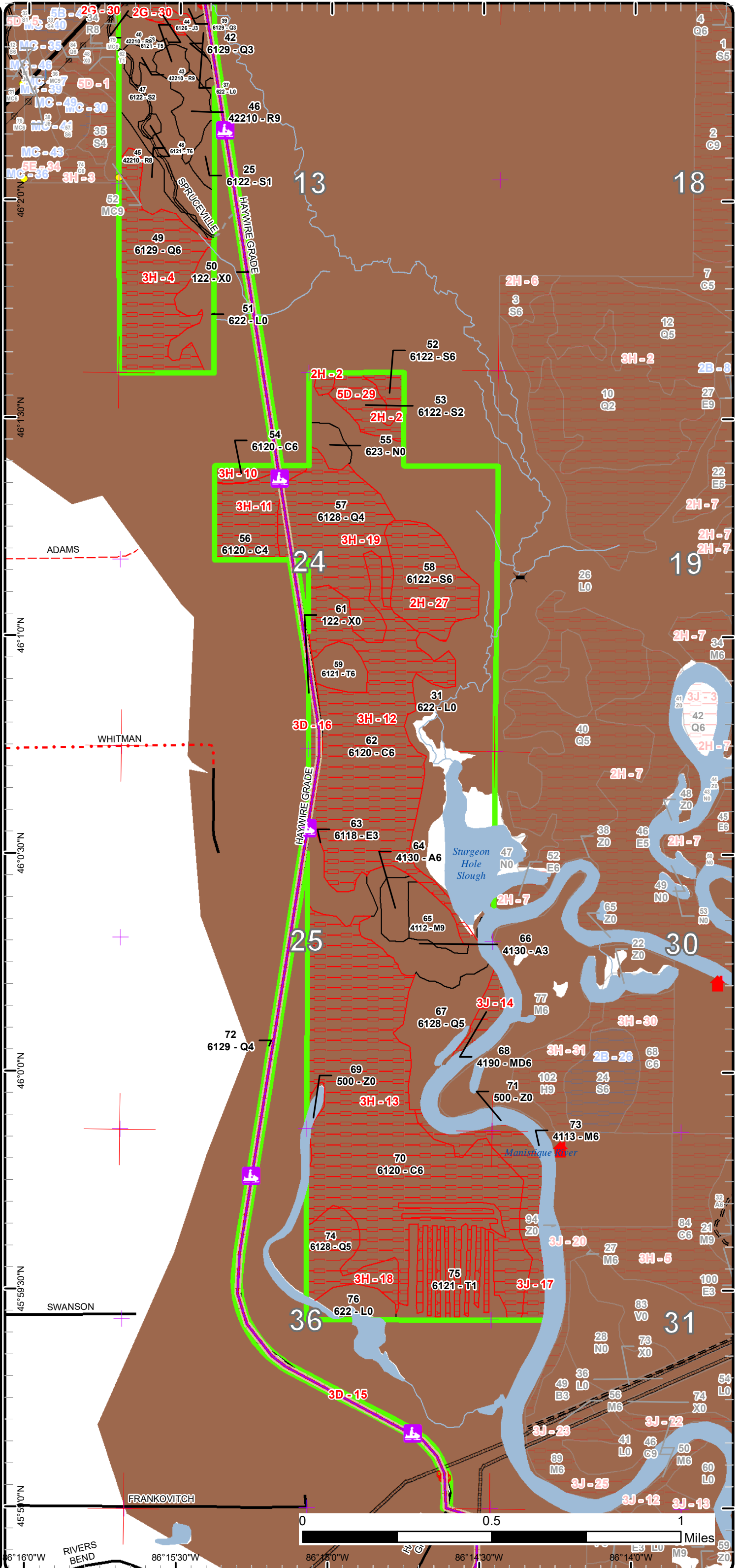
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- Private - Dirt / Gravel Road
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Designated RailTrail
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- 🏠 Cabin
- ⚡ Bridges
- ⚡ Culvert
- 🛑 Sign
- Pipeline
- ⚡ Powerline
- Compartment Boundary
- Unavailable
- 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
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



6°16'0"W 86°15'30"W 86°16'0"W 86°14'30"W 86°14'0"W

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	20	0	8	38	0	2	0	0	0	0	0	0	0	0	0	0	0	68
Cedar	0	0	0	0	0	0	0	0	119	0	4	265	267	0	0	0	0	0	654
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Jack Pine	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	14	35	0	159	22	3	43	0	0	57	0	0	0	0	0	333
Lowland Deciduous	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Mixed Forest	0	0	0	0	0	27	0	0	0	0	0	5	0	0	0	0	0	0	32
Lowland Shrub	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263
Lowland Spruce/Fir	0	0	0	0	34	10	12	0	0	7	34	0	0	0	0	0	0	0	97
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	6	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	13
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	2	0	0	8	0	0	0	0	0	10
Northern Hardwood	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	38
Oak	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	26
Red Pine	0	0	0	0	0	0	91	16	0	18	0	0	0	0	0	0	0	0	125
Tamarack	0	0	0	0	3	66	10	0	10	0	0	0	0	0	0	0	0	0	89
Upland Conifers	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Upland Mixed Forest	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Urban	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>Total</b>	<b>335</b>	<b>57</b>	<b>14</b>	<b>35</b>	<b>193</b>	<b>103</b>	<b>274</b>	<b>38</b>	<b>132</b>	<b>141</b>	<b>38</b>	<b>270</b>	<b>332</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1961</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 43

Total Compartment Acres: 1,957

Commercial Harvest - 19  
 Harvests with Site Condition - 10  
 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
Aspen	2	0	0	0	0	0	0	0	0	2
Lowland Conifers	10	0	0	0	0	0	0	0	0	10
Red Pine	0	0	0	0	0	18	0	0	0	18
<b>Total</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	30	0	0	0	0	0	0	0	0	30
Next Step	0	0	28	0	0	12	0	0	0	40
<b>Total</b>	<b>30</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>69</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

**Proposed Treatments:**

<b>11</b>	<b>41043011-Cut</b>	10.3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees except oak, hemlock, and cedar. Leave some wind firm white pine for seed and aesthetics. Retention will be located between M94 and the powerline.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant</p> <p><u>Acceptable Regen:</u> Mixed coniferous and deciduous species. Stand could be supplemented with oak or other WLD preferred species if desired.</p> <p><u>Other Comment:</u> Possible land use issues which will require a survey.</p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>40</b>	<b>41043040-cut</b>	1.3	42210 - Natural Red Pine	Sawtimber Well	84	81-110	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees except hemlock and oak. Protect understory. These are small mature pine islands which eventually may convert to other species following harvest.</p> <p><u>Next Step Treatments:</u> Planting, Replant</p> <p><u>Acceptable Regen:</u> Mixed pine will be the goal, however any species will be acceptable.</p> <p><u>Other Comment:</u> Stands were planted in the past with oak and should be protected.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>43</b>	<b>41043043-cut</b>	4.8	42210 - Natural Red Pine	Sawtimber Well	84	51-80	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees except hemlock and oak. Protect understory. These are small mature pine islands which eventually may convert to other species following harvest. Incorporate some red pine and white pine seed trees into the red line.</p> <p><u>Next Step Treatments:</u> Planting, Replant</p> <p><u>Acceptable Regen:</u> Mixed pine will be the goal, however any species will be acceptable.</p> <p><u>Other Comment:</u> Stands were planted in the past with oak and should be protected.</p> <p><u>Site Condition:</u></p> <p><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
45	41043045-cut	1.8	42210 - Natural Red Pine	Sawtimber Medium	84	51-80	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Protect understory. These are small mature pine islands which eventually may convert to other species following harvest. Incorporate some red pine and white pine seed trees into the red line.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Replant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed pine will be the goal, however any species will be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Stands were planted in the past with oak and should be protected.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
46	41043046-Cut	9.8	42210 - Natural Red Pine	Sawtimber Well	85	51-80	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Protect understory. These are small mature pine islands which eventually may convert to other species following harvest. Incorporate some red pine and white pine seed trees into the red line.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Replant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed pine will be the goal, however any species will be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Stands were planted in the past with oak and should be protected.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
79	41043079-Cut	1.5	4133 - Aspen, Mixed Pine	Sawtimber Well	51	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees hardwood trees greater than 2 inches except oak. Cut all conifer trees greater than 4 inches except hemlock. No retention due to small stand size and close proximately to the highway.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Stand will likely regenerate to aspen, however any combination of mixed coniferous and deciduous is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

Total Treatment 29.5  
Acreage Proposed:



## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions											
		With Condition				2I	5C	2G	2H	3D	3G	3H	3J	5D		
67	67	0	0	0	Aspen											
654	0	0	654	654	Cedar							654				
5	5	0	0	0	Herbaceous Openland											
13	13	0	0	0	Jack Pine											
332	99	10	223	223	Lowland Conifers	10			43	25	5	151				
14	14	0	0	0	Lowland Deciduous											
32	0	0	32	32	Lowland Mixed Forest				32							
263	205	0	59	59	Lowland Shrub			59	0							
96	34	0	62	62	Lowland Spruce/Fir				41			10			12	
6	6	0	0	0	Marsh											
12	6	0	7	7	Mixed Upland Deciduous										7	
10	2	0	7	7	Natural Mixed Pines				7							
38	11	0	27	27	Northern Hardwood										27	
26	0	26	0	0	Oak		26									
125	125	0	0	0	Red Pine											
89	79	0	10	10	Tamarack			10				0				
31	31	0	0	0	Upland Conifers											
83	83	0	0	0	Upland Mixed Forest											
40	15	0	24	24	Urban					24						
21	21	0	0	0	Water											
1,957	815	36	1,106	1,106	Total Forested Acres	10	26	69	123	49	5	815	33	12		
	42%	2%	57%		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 Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	251	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2I: Survey needed	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	25	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was harvested and only cedar was left. Harvesting resulted in worst rutting I have seen and should not be attempted in future.							
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	119	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

13	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	200	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Unavailable	3D: Recreational / Scenic values	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Haywire Grade							
16	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Haywire Grade							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

19	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	58	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	24	1D: Interest Group / Neighbor	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fenced area for cedar regeneration							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Unavailable	3D: Recreational / Scenic values	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Haywire Grade							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	74	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 43  
Year of Entry: 2024

27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	5D: Unproductive Forest Land	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Overstory is mostly oak. Understory is young and immature. It is undersirable to harvest oak in this area at the present time.							
32	Unavailable	3G: Other Influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> wet along road. will serve as visual buffer for adjacent stand							

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

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**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 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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>1</b>	4133 - Aspen, Mixed Pine	Sapling Poor	8.3	22	1-50	N/A	Stand would make a good wildlife opening.																																					
<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>Quaking Aspen</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>22</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Sapling	1	22	Red Oak	10	Pole/Log	9		Red Pine	10	Log	10		Jack Pine	10	Sapling	3		<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>Quaking Aspen</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Medium	5 - 10 feet	Sapling	Red Oak	Medium	5 - 10 feet	Sapling	Jack Pine	Low	5 - 10 feet	Sapling
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Jack Pine	Low	5 - 10 feet	Sapling																																									
<b>2</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	27.5	85	81-110	N/A																																						
<b>3</b>	6123 - Lowland Fir	Sapling Well	15.1	37	1-50	N/A																																						
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Balsam Fir	High	5 - 10 feet	Sapling																																									
<b>4</b>	622 - Lowland Shrub	Nonstocked	56.2			No																																						
<b>5</b>	6120 - Lowland Cedar	Poletimber Well	246.6	111	111-140	N/A																																						
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<b>6</b>	6139 - Mixed Lowland Forest	Sapling Well	26.6	49	51-80	N/A																																						
<b>7</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	5.1	100	81-110	N/A																																						
<b>8</b>	6120 - Lowland Cedar	Poletimber Well	4.7	111	111-140	N/A																																						
<b>9</b>	42290 - Natural Mixed Pine	Sawtimber Well	7.5	110	111-140	N/A																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>10</b>	4133 - Aspen, Mixed Pine	Poletimber Well	4.0	35	81-110	N/A																																																					
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<b>12</b>	310 - Herbaceous Openland	Nonstocked	5.1		Immature	No	RDR has been written to deal with the ORV issue, but no good solution has been found.																																																				
<b>13</b>	122 - Road/Parking Lot	Nonstocked	16.4		Immature	No																																																					
<b>14</b>	622 - Lowland Shrub	Nonstocked	2.3			No																																																					
<b>15</b>	6121 - Tamarack	Poletimber Well	12.6	45	1-50	N/A																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>17</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	3.3	76	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		35	Pole	8	76	White Pine	
Black Spruce		20	Pole	8		Low	
White Pine		20	Log/Pole	12		Medium	
Red Pine		25	Log/Pole	12		5 - 10 feet	
						Sapling	

<b>18</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	14.0	21	1-50	N/A	A trespass was discovered in a portion of the stand in 1999 and 2000. An 8 foot fence was constructed around the area harvested and cedar seedlings were planted. 2003 regen count on cedar showed 483 cedar trees.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		10	Sapling	2		Alder	
Quaking Aspen		5	Sapling	2		High	
Balsam Fir		20	Sapling	2		5 - 10 feet	
Northern White Cedar		20	Sapling/Pole	3	21	Tall Shrub	
Tamarack		15	Sapling	2			
Paper Birch		10	Sapling	2			
Black Spruce		20	Sapling	2			

<b>19</b>	6122 - Black Spruce	Sapling Well	4.9	47	1-50	N/A	inside fence
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		50	Sapling	3	47	Black Spruce	
Northern White Cedar		10	Sapling	2		Medium	
Paper Birch		10	Sapling	3		Low	
Balsam Fir		20	Sapling	3		< 5 feet	
Tamarack		10	Sapling	3		Sapling	
						Alder	
						Medium	
						5 - 10 feet	
						Tall Shrub	

<b>20</b>	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	69.4	50	1-50	N/A	Cut in spring 2005, X-Mass Buck Sale, 41-007-04-01. Residual basal areas were 25 ft red pine, 8 ft white pine.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		70	Pole/Log	9	50	Red Oak	
Paper Birch		10	Pole	7		Medium	
White Pine		10	Pole	8		5 - 10 feet	
Red Oak		10	Log	12		Sapling	
						White Pine	
						Medium	
						5 - 10 feet	
						Sapling	
						Bigtooth Aspen	
						High	
						10 - 20 feet	
						Sapling	

<b>21</b>	6122 - Black Spruce	Sapling Medium	4.7	47	1-50	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		60	Sapling/Pole	4	47	Alder	
Tamarack		40	Sapling/Pole	4		Medium	
						5 - 10 feet	
						Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>22</b>	4123 - Red Oak	Sawtimber Poor	25.6	85	1-50	N/A	burned in spring 2000
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Pole/Sapling	5	22	Red Oak	Medium	10 - 20 feet	Sapling
Jack Pine	5	Pole/Sapling	5		White Pine	Medium	5 - 10 feet	Sapling
Red Pine	5	Pole/Sapling	5		Red Pine	Medium	5 - 10 feet	Sapling
Red Oak	80	Log/Pole	11	85	Bigtooth Aspen	Medium	10 - 20 feet	Sapling

<b>23</b>	4133 - Aspen, Mixed Pine	Poletimber Well	25.9	35	1-50	N/A	west end is more sparse. appears to have had some habitat work in past
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	63	Pole/Sapling	5	35	White Pine	Medium	5 - 10 feet	Sapling
White Pine	10	Pole/Sapling	5					
Jack Pine	10	Sapling	3					
Red Pine	5	Sapling	4					
Red Oak	7	Sapling/Pole	4					
Paper Birch	5	Sapling	3					

<b>24</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5.6	5	1-50	N/A	harvested in 1986 and spring 2016. Scarified in summer 2018. Red pine regeneration is absent management objective Is being changed to reflect current species on site.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	16	
Red Oak	40	Sapling	1	5
Bigtooth Aspen	10	Sapling	1	
Black Spruce	10	Sapling	1	
Red Maple	10	Sapling	1	
White Pine	20	Sapling	1	

<b>25</b>	6122 - Black Spruce	Sapling Poor	4.8	35	1-50	N/A	Red osier dogwood shrubs were planted in canopy gaps in stand. Will serve as a valuable food source that is high crude protein for deer wintering in the Sturgeon Hole Wintering complex.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	15	Sapling	4		Black Spruce	High	< 5 feet	Sapling
Black Spruce	85	Sapling	4	35	Alder	Medium	5 - 10 feet	Tall Shrub
					Tamarack	Medium	5 - 10 feet	Sapling

<b>26</b>	42110 - Planted Red Pine	Poletimber Well	16.1	67	111-140	N/A	[12/19/2018 TI] This stand was cut as part of the Spruceville Pine Sale #41-005-14-01. TCR Date 10/1/2018.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	8		White Pine	Medium	5 - 10 feet	Sapling
Red Oak	5	Log	12		Red Pine	Medium	5 - 10 feet	Sapling
Red Pine	90	Pole/Log	9	67	Red Oak	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**27** 4310 - Pine, Oak Mix Poletimber Well 83.0 35 1-50 N/A oak is mature, rest of species are younger.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	25	Log/Pole	11		Red Pine	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole/Sapling	5		Red Oak	Medium	5 - 10 feet	Sapling
White Pine	15	Pole	8		Jack Pine	Low	5 - 10 feet	Sapling
Jack Pine	10	Pole/Sapling	6		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	20	Sapling/Pole	3					
Red Pine	25	Pole	8	35				

**28** 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 21.8 50 51-80 N/A Cut in spring 2005, X-Mass Buck Sale, 41-007-04-01. Residual basal areas were 31 ft red pine, 3 ft white pine. TSI complete in spring 2006.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	70	Pole	8	50	Bigtooth Aspen	High	5 - 10 feet	Sapling
Paper Birch	10	Pole	8		Red Oak	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	10	Sapling	3		White Pine	Medium	5 - 10 feet	Sapling
Red Oak	10	Log/Pole	12					

**29** 6120 - Lowland Cedar Poletimber Well 24.3 105 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole/Sapling	7		Black Spruce	Medium	10 - 20 feet	Sapling
Northern White Cedar	75	Pole	9	105				
Tamarack	15	Pole/Sapling	7					

**30** 6120 - Lowland Cedar Poletimber Well 11.5 107 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	5	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	5	Pole	8					
Northern White Cedar	90	Pole	9	107				

Red osier dogwood shrubs were planted in canopy gaps in stand. Will serve as a valuable food source that is high crude protein for deer wintering in the Sturgeon Hole Wintering complex.

**31** 622 - Lowland Shrub Nonstocked 152.4 Unspecified No

**32** 42220 - Natural Jack Pine Poletimber Poor 9.3 26 1-50 N/A Historically maintained as a wildlife opening last work was done in 1979.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	40	Pole/Sapling	7	
Jack Pine	60	Pole/Sapling	7	26



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 429 - Mixed Upland Conifers Sapling Poor 31.0 5 1-50 N/A upland ridges with black spruce in the low areas surrounding ridge.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Sapling	1	
Jack Pine	50	Sapling	1	5
Black Spruce	10	Sapling	1	
Balsam Fir	5	Sapling	1	
Northern White Cedar	5	Pole	8	
Tamarack	10	Sapling	1	
Red Pine	5	Log	14	
Quaking Aspen	5	Sapling	1	
Red Maple	5	Sapling	1	

[12/19/2018 TI] Stand was cut as part Sale #41-005-14-01 Spruceville Pine. TCR Date 10/1/2018

**34** 6120 - Lowland Cedar Poletimber Well 3.9 90 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	75	Pole	9	90
Black Spruce	15	Pole	8	
Tamarack	10	Pole/Sapling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	10 - 20 feet	Sapling

**35** 42290 - Natural Mixed Pine Sawtimber Well 2.1 84 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50	Log/XLog	14	84
Black Spruce	20	Pole	6	
White Pine	30	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	Low	5 - 10 feet	Sapling
Red Pine	Low	5 - 10 feet	Sapling

**36** 6121 - Tamarack Poletimber Well 3.4 30 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	85	Pole/Sapling	5	30
Black Spruce	15	Pole	5	

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

**37** 622 - Lowland Shrub Nonstocked 26.4 No

**38** 6121 - Tamarack Poletimber Medium 10.3 76 1-50 N/A FTP 1488 for red osier dogwood planting was written in spring 2011.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	40	Pole	7	
Tamarack	50	Pole	8	76
Northern White Cedar	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	Medium	5 - 10 feet	Sapling
Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>39</b>	6129 - Mixed Coniferous Lowland Forest	Sapling Well	9.6	34	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		5	Sapling/Pole	4			
Black Spruce		30	Sapling	4			
Tamarack		40	Sapling	4	34		
White Pine		10	Sapling/Pole	4			
Red Pine		10	Log	14			
Balsam Fir		5	Sapling	4			

<b>40</b>	42210 - Natural Red Pine	Sawtimber Well	1.3	84	81-110	N/A	large oak planted by wildlife in 2011		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		70	Log	14	84	White Pine	Medium	5 - 10 feet	Sapling
White Pine		30	Log	14		Red Pine	Low	< 5 feet	Sapling
						Black Spruce	Medium	5 - 10 feet	Sapling

<b>41</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	46.6	56	51-80	N/A	cut in past. ridges and low areas. Red osier dogwood planted within the gaps of this stand. Notice a Creek in the stand if harvested in the future this will need to be delineated..		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		20	Pole	8		Black Spruce	Medium	10 - 20 feet	Sapling
Tamarack		45	Pole/Sapling	5	56	Tamarack	Medium	10 - 20 feet	Sapling
White Pine		5	XLog/Log	22		Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce		25	Pole/Sapling	6	56				
Red Pine		5	Log/XLog	16					

<b>42</b>	6129 - Mixed Coniferous Lowland Forest	Sapling Well	9.9	35	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		10	Sapling	3		Alder	Medium	< 5 feet	Tall Shrub
Tamarack		20	Sapling	3					
Black Spruce		30	Sapling	3	35				
White Pine		20	Sapling	3					
Balsam Fir		10	Sapling	3					
Paper Birch		10	Sapling	3					

<b>43</b>	42210 - Natural Red Pine	Sawtimber Well	4.8	84	51-80	N/A	Large oak planted by wildlife in 2011		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Log/Pole	12		Black Spruce	Medium	5 - 10 feet	Sapling
Red Pine		90	Log/Pole	12	84	White Pine	Medium	5 - 10 feet	Sapling
						Red Pine	Full	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		
44	6126 - Lowland Jack Pine	Sapling Well	4.2	28	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
White Pine		10	Sapling	4					
Black Spruce		10	Sapling	3					
Jack Pine		80	Sapling/Pole	4	28				
45	42210 - Natural Red Pine	Sawtimber Medium	1.8	84	51-80	N/A	large oak planted by wildlife in 2011		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		90	Log	13	84	Black Spruce	Medium	5 - 10 feet	Sapling
White Pine		10	Log	12		Red Pine	Medium	5 - 10 feet	Sapling
						White Pine	Medium	5 - 10 feet	Sapling
46	42210 - Natural Red Pine	Sawtimber Well	9.8	85	51-80	N/A	[12/18/2018 TI] This stand was cut as part of Spruceville Pine Sale #41-005-14-01. TCR Date 10/1/2018.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		10	Log	16		Red Pine	Medium	< 5 feet	Sapling
Red Pine		90	Log	16	85	White Pine	Medium	5 - 10 feet	Sapling
						Black Spruce	Medium	5 - 10 feet	Sapling
47	6122 - Black Spruce	Sapling Medium	28.8	35	1-50	N/A	Red osier dogwood shrubs were planted in canopy gaps in stand. Will serve as a valuable food source that is high crude protein for deer wintering in the Sturgeon Hole Wintering complex.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		85	Sapling	4	35	Black Spruce	High	< 5 feet	Sapling
Tamarack		15	Sapling	4		Alder	Medium	5 - 10 feet	Tall Shrub
						Tamarack	Medium	5 - 10 feet	Sapling
48	6121 - Tamarack	Poletimber Well	10.9	40	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		10	Pole	8		Black Spruce	Medium	10 - 20 feet	Sapling
Tamarack		50	Pole/Sapling	5	40	Tamarack	Medium	10 - 20 feet	Sapling
Black Spruce		40	Pole/Sapling	5		Alder	Medium	5 - 10 feet	Tall Shrub
49	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	56.9	111	Unspecified	N/A	Red osier dogwood shrubs were planted in canopy gaps in stand. Will serve as a valuable food source that is high crude protein for deer wintering in the Sturgeon Hole Wintering complex. Island of pine in adjacent compartment should be managed with this stand.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		40	Pole	6	111	Black Spruce	Medium	10 - 20 feet	Sapling
Tamarack		30	Pole	5		Alder	High	10 - 20 feet	Tall Shrub
White Pine		5	Log/XLog	16					
Black Spruce		20	Pole	6					
Red Pine		5	Log/XLog	14					
50	122 - Road/Parking Lot	Nonstocked	12.5			No			





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
51	622 - Lowland Shrub	Nonstocked	14.3			No			
52	6122 - Black Spruce	Poletimber Well	7.1	86	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		100	Pole/Sapling	7	86	Black Spruce	Medium	10 - 20 feet	Sapling
53	6122 - Black Spruce	Sapling Medium	12.0	51	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		100	Sapling	3	51	Black Spruce	Medium	< 5 feet	Sapling
54	6120 - Lowland Cedar	Poletimber Well	4.1	100	111-140	N/A	cedar pocket excluded from previous sale		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		90	Pole	8	100	Northern White Cedar	Medium	10 - 20 feet	Sapling
Balsam Poplar		10	Pole	7					
55	623 - Emergent Wetland	Nonstocked	6.0			No			
56	6120 - Lowland Cedar	Poletimber Poor	24.5	100	1-50	N/A	Stand was cut in winter 2006, Whitmans Landing Sale. Residual volumes were 20 feet of cedar. Stand was very wet and there was little slash to operate on. Major rutting occurred during sale operations which was fixed with a bulldozer. regen is acceptable on higher areas . cattails in low areas		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		100	Pole	8	100	Alder	Low	5 - 10 feet	Tall Shrub
						Balsam Poplar	Medium	5 - 10 feet	Sapling
57	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	57.7	50	1-50	N/A	very wet.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Poplar		15	Pole	8		Alder	High	5 - 10 feet	Tall Shrub
Paper Birch		5	Pole/Sapling	5		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce		35	Pole/Sapling	5					
Tamarack		45	Pole/Sapling	6	50				
58	6122 - Black Spruce	Poletimber Well	33.8	92	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Paper Birch		5	Pole	8		Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce		90	Pole	8	92				
Northern White Cedar		5	Pole	8					
59	6121 - Tamarack	Poletimber Well	9.5	51	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		50	Pole/Sapling	5	51	Tamarack	Medium	10 - 20 feet	Sapling
Tamarack		50	Pole/Sapling	5	51	Black Spruce	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**61** 122 - Road/Parking Lot Nonstocked 10.3 No

**62** 6120 - Lowland Cedar Poletimber Well 119.0 75 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole/Sapling	5		Balsam Fir	Low	5 - 10 feet	Sapling
Black Spruce	10	Pole/Sapling	6		Black Spruce	Low	10 - 20 feet	Sapling
Northern White Cedar	80	Pole	8	75	Tamarack	Low	5 - 10 feet	Sapling
Tamarack	5	Pole/Sapling	5		Alder	Low	5 - 10 feet	Tall Shrub
Black Ash	3	Pole/Sapling	6					

**63** 6118 - Lowland Deciduous with Cedar Sapling Well 13.8 15 1-50 N/A

Stand was cut in 2006, Whitmans Landing. Residual basal area was 40 feet of cedar.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	50	Sapling	2	15
Balsam Poplar	15	Sapling	1	
Northern White Cedar	20	Pole	8	
Red Maple	15	Sapling	1	

**64** 4130 - Aspen Poletimber Well 7.7 34 81-110 N/A

very good site

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole/Sapling	5		Sugar Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	90	Pole	7	34				

**65** 4112 - Maple, Beech, Cherry Association Sawtimber Well 11.1 85 81-110 N/A

This stand will be nearly impossible to manage for Maple due to high deer numbers.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	33	Log/Pole	10		Sugar Maple	Low	< 5 feet	Sapling
White Spruce	1	Pole	8		White Spruce	Low	< 5 feet	Sapling
Bigtooth Aspen	2	Pole/Sapling	7		Beech	High	5 - 10 feet	Sapling
Sugar Maple	55	Log/Pole	11	85				
Paper Birch	9	Pole	9					

**66** 4130 - Aspen Sapling Well 19.6 8 1-50 N/A

Stand was cut as part of Limestone Ridge (Sale #41-006-14-01). Sale has been cut and is complete. TCR date: 4/23/15.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	1	8

**67** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 29.6 55 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	20	Pole	7		Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	20	Pole/Sapling	6		Tamarack	Low	10 - 20 feet	Sapling
Black Spruce	35	Pole/Sapling	5	55	Black Spruce	Low	10 - 20 feet	Sapling
Tamarack	25	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
68	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	6.8	86	51-80	N/A																																						
69	500 - Water	Nonstocked	3.1			No																																						
70	6120 - Lowland Cedar	Poletimber Well	199.8	107	111-140	N/A																																						
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71	500 - Water	Nonstocked	18.1			No																																						
72	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	24.5	55	51-80	N/A	Haywire grade ROW																																					
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73	4113 - R.Maple, Conifer	Poletimber Well	26.7	81	81-110	N/A																																						
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74	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	22.0	66		N/A	Portions were cut in 1955.																																					
75	6121 - Tamarack	Sapling Poor	28.3	44	1-50	N/A	Cedar strip cuts. alot of tag alder																																					
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76	622 - Lowland Shrub	Nonstocked	11.4			No																																						
77	122 - Road/Parking Lot	Nonstocked	0.8			No																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>78</b>	6121 - Tamarack	Poletimber Poor	14.0	41	1-50	N/A	1[12/19/2018 TI] Stand was cut as part of Spruceville Pine Sale #41-005-14-01. TCR Date 10/1/2018.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		25	Pole/Sapling	6		Black Spruce		Medium	< 5 feet	Sapling
Northern White Cedar		25	Pole	8		Tamarack		Medium	< 5 feet	Sapling
Tamarack		50	Pole	6	41	Alder		High	5 - 10 feet	Tall Shrub

<b>79</b>	4133 - Aspen, Mixed Pine	Sawtimber Well	1.5	51	111-140	N/A				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		60	Pole	9	51	Red Oak		Low	5 - 10 feet	Sapling
Red Pine		40	Log/Pole	13	71	Balsam Fir		Medium	5 - 10 feet	Sapling
						Red Maple		Medium	5 - 10 feet	Sapling