

# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41039

Entry Year: 2027

Acreage: 2,390

County: Schoolcraft

Management Area: Seney Lake Plain

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**Stand Examiner:** Adam Petrelius

## Legal Description:

T43N R16W Sections 19, 20, 29, 30

## Identified Planning Goals:

This compartment lies within the Seney-Manistique Swamp Management Area. The main goal of this compartment is to conduct multiple resource management for current and future generations.

## Soil and topography:

The topography in this compartment is mostly flat, with slightly higher elevations existing on the islands of pine and aspen located with the marsh. Soils in the compartment support mixed pine/aspen stands, lowland brush/marsh, and lowland conifer species. The major soil types found within the compartment, in order of abundance, are Markey Mucky Peat, Rousseau-Neconish-Spot Complex, Carbondale-Lupton-Tawas Mucks, and Deford-Augres-Rubicon Deep Water Table Complex. The major habitat types within the compartment, in order of abundance, are Unclassified Wetland, PVE, PArVAa, and PArV.

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

State land within this compartment was acquired between 1906 and 1974. Most of the land was tax reverted, but some was purchased and exchanged with both private individuals and the United States Forest Service. The entire western boundary of the compartment borders the United States Forest Service. The entire southern boundary borders state land. Approximately  $\frac{3}{4}$  of the north and east compartment boundary borders state land. Adjacent land along the compartment boundary is owned by Plum Creek. A camp is located on the 120 acre parcel of private land that lies within the compartment boundary.

## Unique Natural Features:

Under review.

## Archeological, Historical, and Cultural Features:

None known.

## Special Management Designations or Considerations:

A small portion of stands in this compartment are located within the deeryard, and are classified as a Special Conservation Area.

## Watershed and Fisheries Considerations:

This compartment contains Smith Creek. Smith Creek is a non-designated stream less than 50-ft wide that has a predicted mean July water temperature of 63.5°F (cold stream). A minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended for Smith Creek to protect riparian areas in accordance with Best Management Practices.

## Wildlife Habitat Considerations:

This compartment is on the south side of an area locally known as the Mint Farm. It is dominated by marsh/ low ridge and lowland shrubs. Smith creek traverses this compartment from north to south. The first surveyors reported that tamarack, spruce, and jack pine were the most common trees in forested areas. Other species recorded included red pine, aspen, white pine, white birch, cedar, and fir. Circa 1900, a large drainage ditch (The Big Ditch) was dug to drain this area for agricultural purposes. In the western portion of the compartment these efforts resulted in a lowered water table enabling the land to support more trees. Most of the marsh and lowland shrub areas remain fairly unchanged from pre-settlement times. However, areas that may have been altered by The Big Ditch now support an aspen community. Jack pine has replaced tamarack and spruce as the dominant tree species on the ridges within the marsh. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer.

## Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington and Big Hill formations subcrop below the glacial drift. The Stonington and

Big Hill could be used for stone/dolomite. Gravel pits are not located in this area and potential appears to be limited. There is no commercial oil and gas production in the UP. A dry hole was drilled five miles to the southeast in 2005 (Trenton Formation test).

**Vehicle Access:**

The Smith Creek Truck Trail travels south through the compartment, and is the main route into state land located north of Indian Lake. This forest road is used by many landowners to access their camps. Plans are underway to replace the bridge located on Smith Creek. The western portion of the compartment is accessed from a forest road that parallels the Big Ditch. Most of the roads which branch off the 2 main forest roads into the compartment were created from past timber sales. Many of these roads are overgrown and of poor quality.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

There are no recreational facilities within this compartment. Opportunities include hunting, hiking, berry picking, and riding ORV's.

**Fire Protection:**

Response time to fires within this compartment will be moderate to slow. Most of the old roads located within the compartment are narrow, wet, and would not support large fire equipment. This compartment has 2 water sources, Smith Creek and the Big Ditch. During dry summer conditions fires can burn in the deep organic soils found throughout most of this compartment. In the summer of 2005 a fire located on similar soil types burned 45 acres of USFS land just west of this compartment. A small lightning strike fire occurred in 2012 here also along the side of Smith Creek Road.

**Additional Compartment Information:**

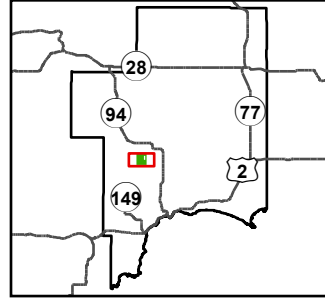
**The following reports from the Inventory are attached:**

- 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**

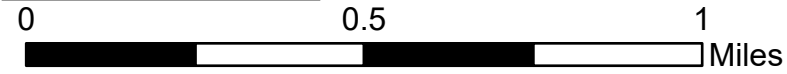
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

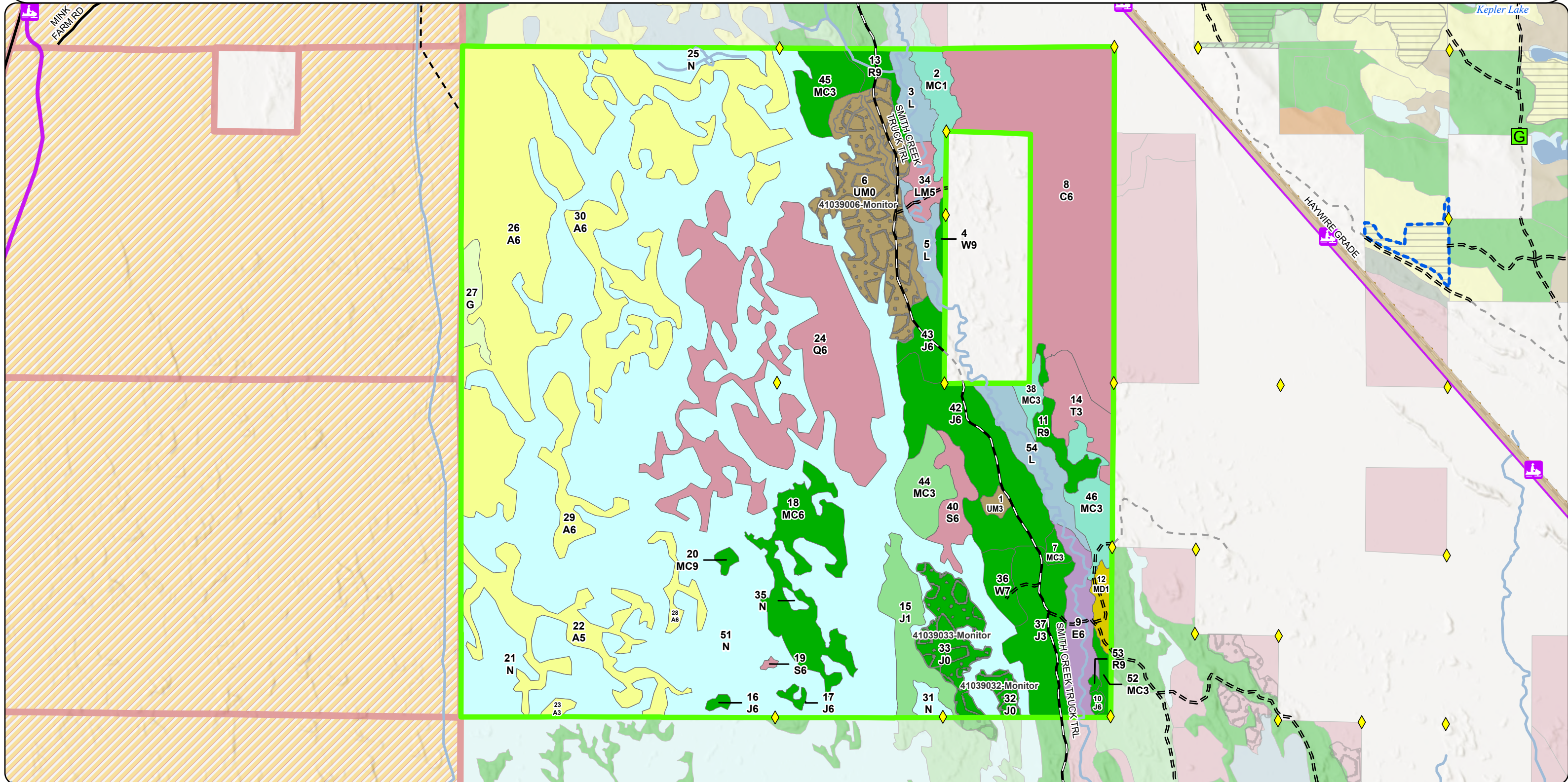
**Cover Type & Treatments Map**



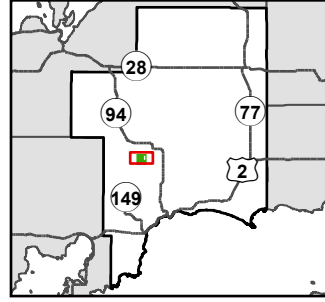
Compartment: 41039  
 T43N, R16W, Sec: 19, 20, 29, 30  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt. Area: Seney Lake Plain  
 YO: 2027  
 Acres: 2,390 GIS Calculated  
 Examiner: Adam Petrelus  
 Date Exported: 02/05/2026  
 Map Phase: Post Review



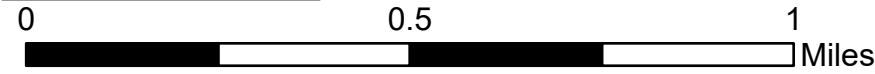
- ◆ Survey Grade Corners
  - G Gate
  - DNR - Primary Forest Road
  - DNR - Forest Access Route
  - Federal / State / County - Paved Road
  - Federal / State - Dirt / Gravel Road
  - Private - Dirt / Gravel Road
  - Streams
- Lakes and Rivers
  - Compartment Boundary
  - Monitoring - Regeneration
  - Treatments with Site Conditions
  - 413 - Aspen
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
- 429 - Mixed Upland Conifers
  - 430 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
  - 310 - Herbaceous Openland
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



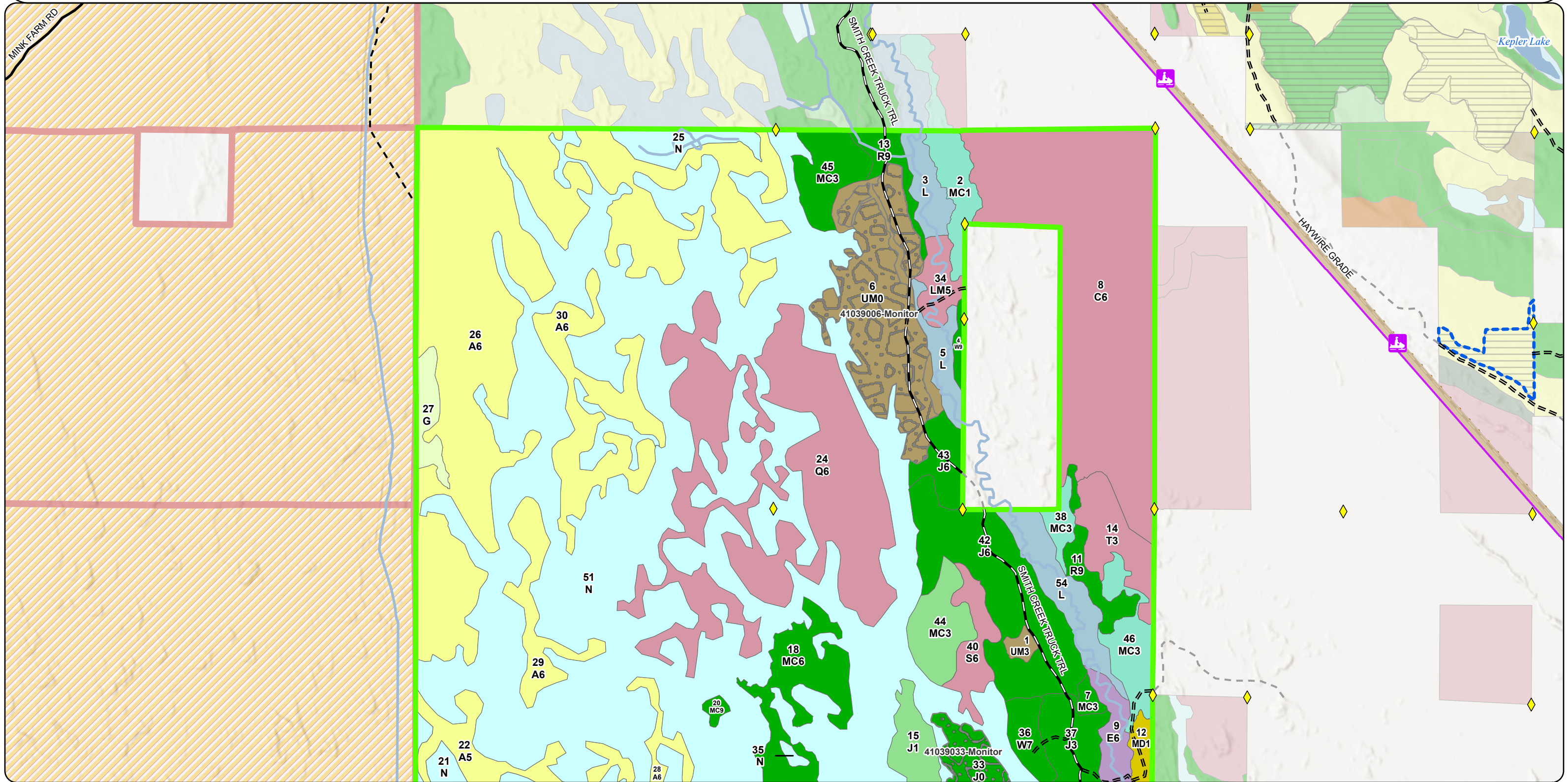
**Cover Type & Treatments Map**



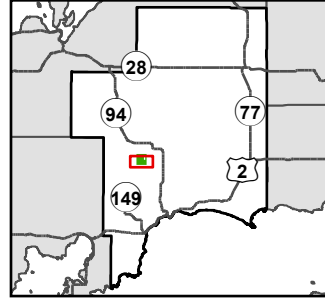
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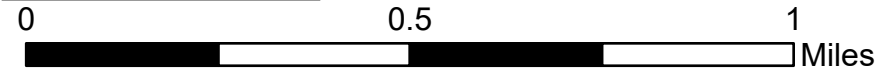
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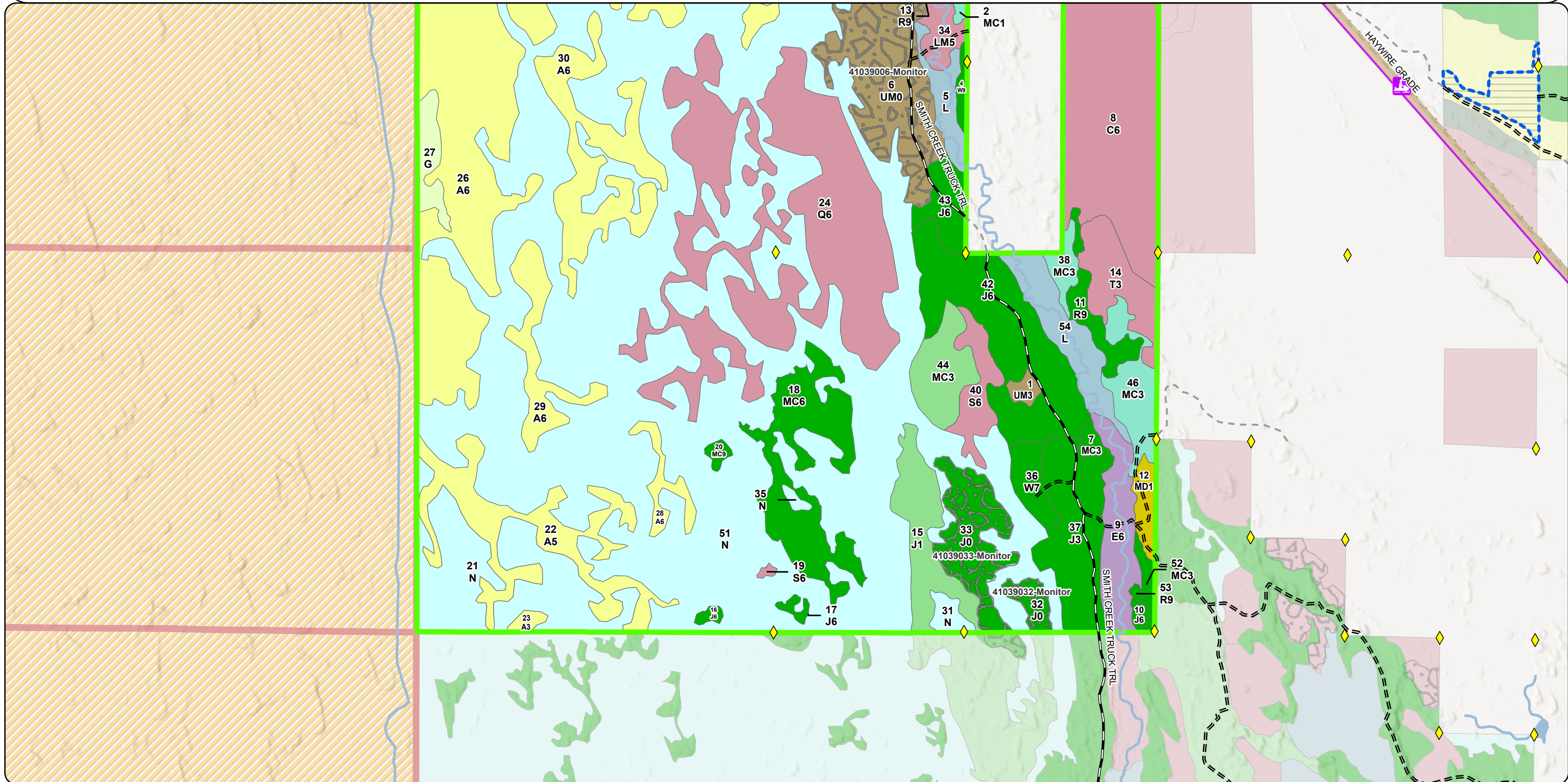
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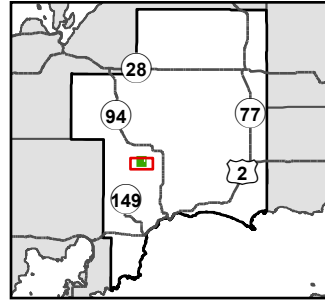


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**Stand Boundary Map**

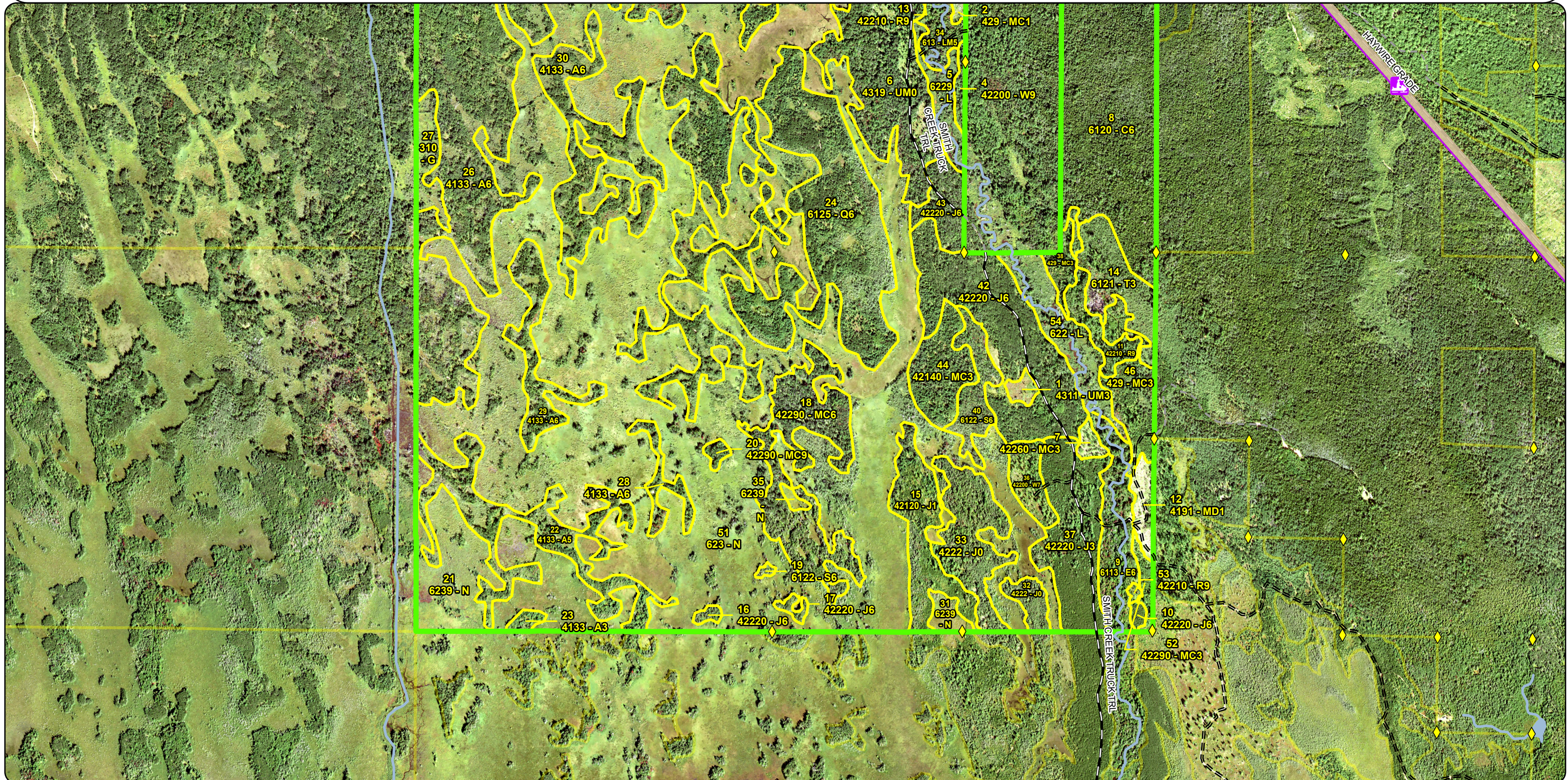


0 0.5 1 Miles

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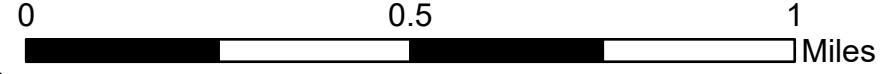
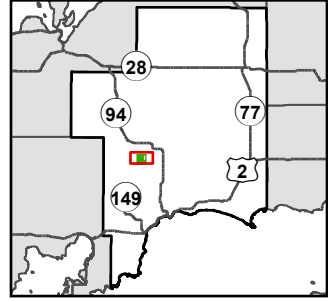
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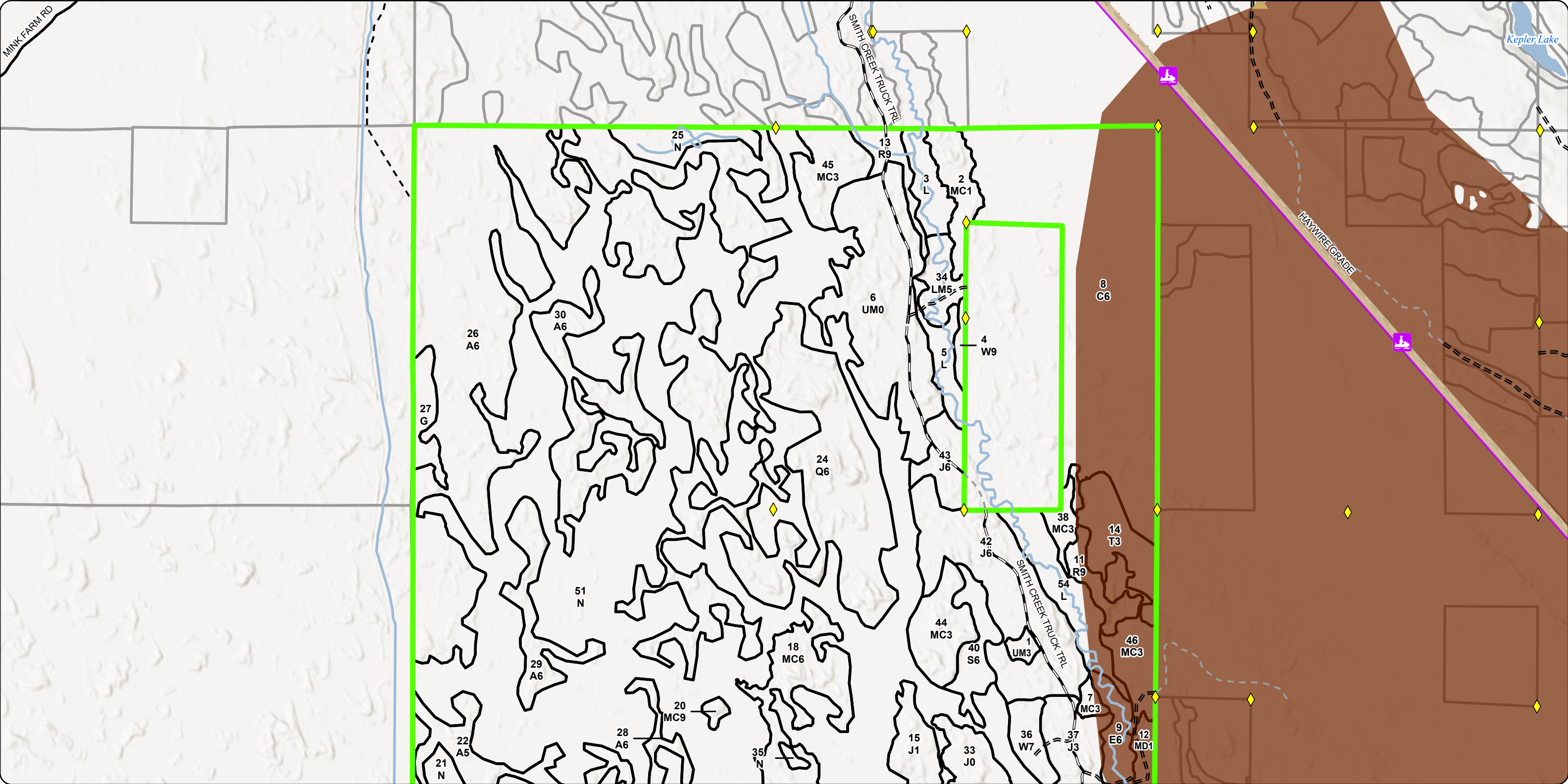


**Special Conservation Areas  
& Site Conditions Map**

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- Stand Boundaries
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Adam Petrelius: 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
Aspen	0	0	0	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	436
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0	0	0	0	196
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Jack Pine	39	0	0	76	74	0	15	0	0	0	4	0	0	0	0	0	0	0	207
Lowland Conifers	0	0	0	0	187	0	0	0	0	0	0	0	0	0	0	0	0	0	187
Lowland Deciduous	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28
Lowland Mixed Forest	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Marsh	925	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	925
Mixed Upland Deciduous	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Natural Mixed Pines	0	0	3	5	22	0	0	0	0	0	57	0	0	0	0	0	0	0	87
Planted Mixed Pines	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Red Pine	0	0	0	0	0	0	0	0	0	12	11	0	1	0	0	0	0	0	23
Tamarack	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Upland Conifers	0	17	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Upland Mixed Forest	87	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
White Pine	0	0	0	0	0	0	0	0	0	0	0	12	4	0	0	0	0	0	16
<b>Total</b>	<b>1116</b>	<b>28</b>	<b>3</b>	<b>157</b>	<b>719</b>	<b>0</b>	<b>15</b>	<b>12</b>	<b>0</b>	<b>40</b>	<b>89</b>	<b>12</b>	<b>5</b>	<b>0</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2389</b>

## Report 2 – Treatment Summary

Shingleton Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 39  
Total Compartment Acres: 2,390

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

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
<b>Current</b>	0	0	0	0	0	119	0	0		<b>119</b>
<b>Next Step</b>	0	40	0	0	0	0	0	0		<b>40</b>
<b>Total</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>0</b>	<b>0</b>		<b>158</b>

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

<b>6</b>	<b>41039006-Monitor</b>	78.9	4319 - Mixed Upland Forest	0	3	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> monitor regeneration											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> all species											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2034											
<b>32</b>	<b>41039032-Monitor</b>	7.0	4222 - Natural Jack Pine	0	3	1-50	Monitoring	Monitoring - Regeneration	429 - Mixed Upland Conifers		No
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Scarification											
<u>Treatments:</u>											
<u>Acceptable</u> jack pine, red pine, white pine, black spruce in uplands. mixed conifer and deciduous in lowlands.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2034											
<b>33</b>	<b>41039033-Monitor</b>	32.6	4222 - Natural Jack Pine	0	3		Monitoring	Monitoring - Regeneration	429 - Mixed Upland Conifers		No
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Scarification											
<u>Treatments:</u>											
<u>Acceptable</u> jack pine, red pine, white pine, black spruce in uplands, mixed conifer and deciduous in lowlands.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/17/2034											

**Total Treatment** 118.5  
**Acres Proposed:**

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius: Examiner

Compartment: 39  
Year of Entry: 2027

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2H	3H	3J	5E
436	436	0	0	Aspen				
196	0	0	196	Cedar		196		
12	12	0	0	Herbaceous Openland				
194	191	0	3	Jack Pine	2		1	
187	187	0	0	Lowland Conifers				
28	0	0	28	Lowland Deciduous			28	
12	12	0	0	Lowland Mixed Forest				
52	53	0	0	Lowland Shrub				
17	17	0	0	Lowland Spruce/Fir				
925	925	0	0	Marsh				
8	8	0	0	Mixed Upland Deciduous				
87	85	0	2	Natural Mixed Pines	2			
23	23	0	0	Planted Mixed Pines				
24	13	0	11	Red Pine			11	
25	25	0	0	Tamarack				
45	45	0	0	Upland Conifers				
9	3	0	6	Upland Mixed Forest				6
15	12	0	4	White Pine			4	
2,295	2,046		249	Total Forested Acres	4	196	43	6
	89%		11%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	196	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius: Examiner

Compartment: 39  
Year of Entry: 2027

2	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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.

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SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
<b>1</b>	4311 - Pine, Aspen Mix	Sapling Well	3.2	8	1-50	N/A	a small fire killed a couple acres of trees in this stand recently.																																								
<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>50</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Jack Pine</td> <td>50</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Sapling	1	8	Jack Pine	50	Sapling	1	8																									
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Quaking Aspen	50	Sapling	1	8																																											
Jack Pine	50	Sapling	1	8																																											
<b>2</b>	429 - Mixed Upland Conifers	Sapling Poor	17.2	8	1-50	N/A	Stand is on contract, two-bridge pine, 41-027-12-01, part of U4. Red pine will be planted on ridges FTP-41-1530, but overall regen will be a mix of current species.  5/23/2018: Planted by Superior Forestry. Oversight by Forest Resource Services (Grossman Forestry Co.).  Quality checks: 0.00% too deep, 0.00% bad stem angle, 0.00% too loose, 0.00% "J" rooted. Weather: calm and clear, 80 degrees. Stocking = Stand 77; 682 trees/ac actual, 620 trees/ac plot data. Stand 2; 706 trees/ac actual, 675 trees/ac plot data. Total cost = \$152.70/ac  1 year regeneration check was done in fall 2018. About 70% survival of planted seedlings. Much natural regeneration is present also mostly composed of white pine, black spruce, red maple. All species are considered acceptable. Since red pine planting in this location was just to supplement the stand and maintain a component, no further regeneration work will be done. Also, access prevents future trenching. Stand will be checked again during inventory cycle.																																								
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<b>3</b>	6229 - Mixed Lowland Shrub	None	13.9			No																																									
<b>4</b>	42200 - Natural White Pine	Sawtimber Well	3.5	116	81-110	N/A																																									
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<b>5</b>	6229 - Mixed Lowland Shrub	None	12.6			No																																									
<b>6</b>	4319 - Mixed Upland Forest	Unspecified	87.2	3	1-50		Stand contains some open areas that are not fully stocked. This was agreed upon with a variance from WLD in 2022. Stand is still under contract and treatment exists from previous sale. Mixed regeneration exists, however it would be best to get a better look during next inventory cycle as it was recently harvested. Previous regeneration objectives included all species. Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date. It was never harvested.																																								

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
7	42260 - Natural Pine, Mixed Deciduous	Sapling Well	3.3	11	1-50	N/A	Harvested in winter 2004. Overstory was removed. Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date.																															
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8	6120 - Lowland Cedar	Poletimber Well	195.7	130	111-140	N/A																																
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9	6113 - Lowland Maple	Poletimber Well	28.4	81	81-110	N/A																																
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10	42220 - Natural Jack Pine	Poletimber Well	1.7	35	Immature	N/A																																
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11	42210 - Natural Red Pine	Sawtimber Well	12.3	82	81-110	N/A	Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date. It was never harvested. Access to stand required an EGLE permit with multiple stream crossings.																															
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Red Pine	75	Log	16	82																																		
12	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	8.3	8	1-50	N/A	This stand was looked at during spring 2023 for possible trenching as objective is planted red pine. In a conversation between Adam and Bob, it was decided to wait till re-inventory and make the actual decision. At this time for various reasons, we both feel it would be best to allow this red pine stand to convert to mixed species. Current stocking levels support that along with stand size, location, and current site conditions. Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date.																															
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Red Pine	10	Sapling	1																																			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	42210 - Natural Red Pine	Sawtimber Well	10.5	95	81-110	N/A	creek buffer
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		10	Log/Pole	16		Red Pine	
Red Pine		90	Log/Pole/XLog	16	95	Black Spruce	
						White Pine	
						Jack Pine	
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>
						Low	5 - 10 feet
						Medium	5 - 10 feet
						Medium	5 - 10 feet
						Low	5 - 10 feet
14	6121 - Tamarack	Sapling Well	24.8	26	1-50	N/A	Harvested with sale number 41-032-97-01 in winter of 2000.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		10	Sapling	2			
Black Spruce		30	Sapling	2			
Northern White Cedar		10	Pole/Sapling	7			
Tamarack		50	Sapling	2	26		
15	42120 - Planted Jack Pine	Sapling Poor	31.3	25	Immature	N/A	2009 regen counts: 660 jack pine, 17 red pine, 8 white pine, 150 black spruce
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Pine		15	Log/Pole/XLog	14			
Jack Pine		85	Sapling	2	25		
16	42220 - Natural Jack Pine	Poletimber Well	1.6	94	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>	
Black Spruce		10	Pole	8		Black Spruce	
Red Pine		10	Log/Pole/XLog	14			
Jack Pine		80	Pole	9	94		
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>
						Medium	5 - 10 feet
							5 - 10 feet
17	42220 - Natural Jack Pine	Poletimber Well	2.0	94	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>	
Black Spruce		5	Pole	8		Black Spruce	
Red Pine		5	Log/Pole/XLog	14			
Jack Pine		90	Pole	8	94		
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>
						Medium	5 - 10 feet
							5 - 10 feet
18	42290 - Natural Mixed Pine	Poletimber Well	54.5	94	51-80	N/A	Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date. It was never harvested.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		20	Pole	8		Tag Alder	
Tamarack		15	Pole	8		Black Spruce	
White Pine		10	Log/Pole/XLog	14		Tamarack	
Red Pine		20	Log/Pole/XLog	14			
Jack Pine		35	Pole	9	94		
						<b>Density</b>	<b>Avg. Height</b>
							<b>Size</b>
						Low	5 - 10 feet
						Low	5 - 10 feet
						Low	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>19</b>	6122 - Black Spruce	Poletimber Well	0.8	94	81-110	N/A	Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date. It was never harvested.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	90	Pole	8	94	Black Spruce	Medium	5 - 10 feet	5 - 10 feet
Tamarack	10	Pole	8					

<b>20</b>	42290 - Natural Mixed Pine	Sawtimber Well	2.2	94	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	15	Sapling/Pole	4		Tamarack	Medium	5 - 10 feet	5 - 10 feet
Tamarack	15	Sapling/Pole	4		Black Spruce	Medium	5 - 10 feet	5 - 10 feet
White Pine	25	Log/Pole/XLog	16	94				
Red Pine	25	Log/Pole/XLog	14	94				
Jack Pine	20	Pole	8					

<b>21</b>	6239 - Mixed Emergent Wetland	None	73.6			No	
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<b>22</b>	4133 - Aspen, Mixed Pine	Poletimber Medium	54.9	35	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole/Sapling	5	35	Willow spp.	Medium	5 - 10 feet	5 - 10 feet
White Pine	5	Pole/Sap/Log	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Red Pine	5	Pole/Sap/Log	9					
Jack Pine	10	Sapling/Pole	4					
Black Cherry	5	Sapling	3					

<b>23</b>	4133 - Aspen, Mixed Pine	Sapling Well	2.5	35	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole/Sapling	5	35	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	5	Pole/Sap/Log	9		Willow spp.	Medium	5 - 10 feet	5 - 10 feet
Red Pine	5	Pole/Sap/Log	9					
Jack Pine	10	Sapling/Pole	4					
Black Cherry	5	Sapling	3					

<b>24</b>	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	186.7	36	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Pole/Sapling	5		Willow spp.	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	20	Sapling	4	36	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Tamarack	30	Sapling	4	36				
Jack Pine	30	Pole/Sapling	5	36				

<b>25</b>	6239 - Mixed Emergent Wetland	None	15.4			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
<b>26</b>	4133 - Aspen, Mixed Pine	Poletimber Well	289.7	35	1-50	N/A																																								
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<b>27</b>	310 - Herbaceous Openland	None	11.9			No																																								
<b>28</b>	4133 - Aspen, Mixed Pine	Poletimber Well	8.7	35	81-110	N/A																																								
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<b>31</b>	6239 - Mixed Emergent Wetland	None	5.3			No																																								
<b>32</b>	4222 - Natural Jack Pine	Unspecified	7.0	3	1-50		Scarified in October 2023. Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**34** 613 - Lowland Mixed Forest Poletimber Medium 12.4 61 N/A

**35** 6239 - Mixed Emergent Wetland None 1.6 No

**36** 42200 - Natural White Pine Sawtimber Poor 11.6 100 1-50 N/A Stand was cut with RP Sale in 2010. residual basal areas - 11 red pine, 29 white pine

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Log/Pole/XLog	14	100	White Pine	Medium	5 - 10 feet	5 - 10 feet
Red Pine	25	Log/Pole/XLog	14		Red Pine	Medium	< 5 feet	< 5 feet
					Black Spruce	Medium	5 - 10 feet	5 - 10 feet

**37** 42220 - Natural Jack Pine Sapling Well 44.7 27 1-50 N/A Scarification completed in 1999.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Sapling/Pole	4	
White Pine	5	Log/Pole/Sap	14	
Red Pine	10	Log/Pole/XLog	14	
Jack Pine	80	Sapling/Pole	4	27

**38** 429 - Mixed Upland Conifers Sapling Well 6.7 23 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	4		Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	15	Sapling	4					
Balsam Fir	10	Sapling	4					
Black Spruce	15	Sapling	4					
White Pine	15	Sapling	4					
Red Pine	15	Sapling	4					
Jack Pine	20	Sapling	4	23				

**40** 6122 - Black Spruce Poletimber Well 16.5 96 51-80 N/A Stand is wet and is sparse with smaller diameter trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	8		Black Spruce	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Pole	7		Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	60	Pole	7	96				
Tamarack	10	Pole/Sapling	5					
White Pine	10	Pole	9					

**42** 42220 - Natural Jack Pine Poletimber Well 71.9 37 1-50 N/A a small fire killed a couple acres of trees in this stand recently.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole/Sapling	5	
White Pine	5	Log/Pole/XLog	16	
Red Pine	5	Log/Pole/XLog	16	27
Jack Pine	85	Pole/Sapling	6	37

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
<b>43</b>	42220 - Natural Jack Pine	Poletimber Well	14.5	54	81-110	N/A																																																
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<b>44</b>	42140 - Planted Mixed Pine	Sapling Well	22.6	27	Immature	N/A	2002 regen counts showed 369 red pine and 104 jack pine																																															
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<b>45</b>	42290 - Natural Mixed Pine	Sapling Well	22.3	36	1-50	N/A																																																
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<b>46</b>	429 - Mixed Upland Conifers	Sapling Well	21.4	23	1-50	N/A	7 acres of this stand were trenched and seeded in summer 2002. Regen count in 2005 was 180 jack pine, 170 red pine, 230 white pine, 230 black spruce, 510 fir, and 400 red maple. Overall stand is diverse and many mixed species.																																															
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<b>51</b>	623 - Emergent Wetland	None	829.1			No	Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date. It was never harvested.																																															
<b>52</b>	42290 - Natural Mixed Pine	Sapling Well	4.8	25	Immature	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>53</b>	42210 - Natural Red Pine	Sawtimber Well	0.8	111	81-110	N/A	Stand was never harvested. Treatment was a part of Bigger Stair Steps Sale. 8/29/2025 TCR date.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Log	16		White Pine	Medium	5 - 10 feet	5 - 10 feet
Red Pine	80	Log	15	111	Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
Jack Pine	5	Pole	8		Red Pine	Low	5 - 10 feet	5 - 10 feet
					Black Spruce	Medium	5 - 10 feet	5 - 10 feet
					Red Maple	Medium	5 - 10 feet	5 - 10 feet

<b>54</b>	622 - Lowland Shrub	None	26.0			No	
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