



# Compartment Review Presentation

## Shingleton Forest Management Unit

Compartment 41049

Entry Year 2024

Acreage: 3,578

County Schoolcraft

Management Area: Seney Manistique Swamp

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**Stand Examiner:** Tori Irving

### Legal Description:

T43N R14W Sections 4, 5, 6, 7, 8, 9

### Identified Planning Goals:

Timber, wildlife, recreation, and fisheries are the main uses of this area. The goal is to manage for all uses simultaneously and to provide, enhance and perpetuate their uses through proper management. Proposed forest treatments will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

### Soil and topography:

The entire compartment lies within the Channel Fens South Land Type Association, the soils in the compartment are well drained sands and the topography is a matrix of ridges surrounded by marshes. Soil types include: Markey Muck Peat, Nechonish, Kinross, Wainola Complex, Histols and Aquents, Rousseau, Neconish, Finch Complex, and AuGres, Deford Complex.

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

This compartment and the surrounding land is fairly contiguous state ownership. There are a few private parcels within the compartment boundary. Most of the parcels are used seasonally. The Seney Wildlife Refuge is along the northern border of the compartment. The snowmobile trails runs through the west side of the compartment on the Highwater Truck

### Unique Natural Features:

None.

### Archeological, Historical, and Cultural Features:

None known.

### Special Management Designations or Considerations:

None.

### Watershed and Fisheries Considerations:

This compartment contains Walsh Ditch and Duck Creek. Walsh Ditch and Duck Creek are non-designated streams with predicted mean July temperatures that range from 62.0 to 66.0 °F (cold streams). This compartment is adjacent to where elemental occurrences of Wood Turtle (State Special Concern) are documented. Forestry activities that occur from April 1 through October 31st (active period) should accommodate a 300' buffer along Duck Creek to protect Wood Turtle during nesting, post-nesting, and pre-hibernation periods. For forestry activities that occur outside of the active period, 100' plus 5' per 1% increase in slope; buffers are recommended for Walsh Ditch and Duck Creek to protect these areas in accordance with Best Management Practices.

### Wildlife Habitat Considerations:

This compartment lies within the Seney Sand Lake Plain ecological subsubsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 degrees F. Annual snowfall in this area averages approximately 130 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. This compartment lies within the marsh/low pine ridge complex. General Land Office (GLO) Surveyor notes show the circa 1850 upland forest contained species such as jack pine, hemlock, white pine, red pine, and birch. Lowland forest included tamarack, spruce, cedar and balsam fir. A large portion of the compartment is open wetland. Windthrow, fire, flooding, and beaver ponding all likely played major roles in the natural disturbance regime. Current forests conditions in the eastern portion of the compartment are similar to circa 1850 conditions. In the western portion of the compartment, much of the uplands have shifted from a mixture of jack and red pine to fairly monotypic jack pine. The marsh lands remain relatively unchanged from pre-settlement times. Wildlife habitat objectives in this compartment include maintaining the integrity of the marsh/low pine ridge complex, providing natural

functioning systems on the ridges in the eastern portion of the compartment, protecting the Duck Creek corridor, and promoting age class and structural diversity in the upland coniferous community of the western portion of the compartment. Moose (Michigan special concern) and wood turtle (Michigan special concern) utilize the compartment. Other wildlife species of interest that may utilize this compartment include spring peepers, leopard frogs, marsh wren, northern harrier, mink, and water shrew.

### **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. The nearest known active mineral extraction site is less than five miles south, where sand/gravel from glacial drift and crushed stone from bedrock dolostone are produced. The compartment is dominated by wetlands, which would inhibit any surface mining. No current mineral leasing activity exists in the area.

### **Vehicle Access:**

Vehicle access to this compartment is limited. The west side of the compartment can be accessed via the Highwater Truck Trail. The east side of the compartment has very limited access due to numerous small creeks and drainage areas.

### **Survey Needs:**

Corners will be needed in section 7 to complete timber sale preparations for harvesting operations.

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

The Highwater Truck Trail is also Snowmobile Trail Number 2 in the winter. There are several other recreational opportunities including, but not limited to, hunting, fishing, horseback riding, and ORV.

### **Fire Protection:**

This area was historically prone to catastrophic, large-scale fires prior to large-scale fire suppression efforts of the last century; however, suppression efforts in the late seventies could not stop the raging Seney fire that scorched the northeast portion of the compartment. This area can be very wet in the spring and early summer but due to well-drained soils, the area and subsequently the fuels, can dry out quickly with the right weather. Access to the compartment is poor and response times will be lengthy due to the distance and poor roads.

### **Additional Compartment Information:**

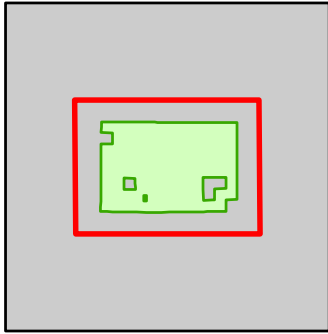
The following reports from the Inventory are attached:

- 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**

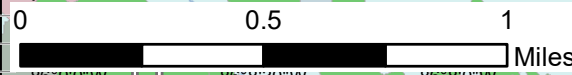
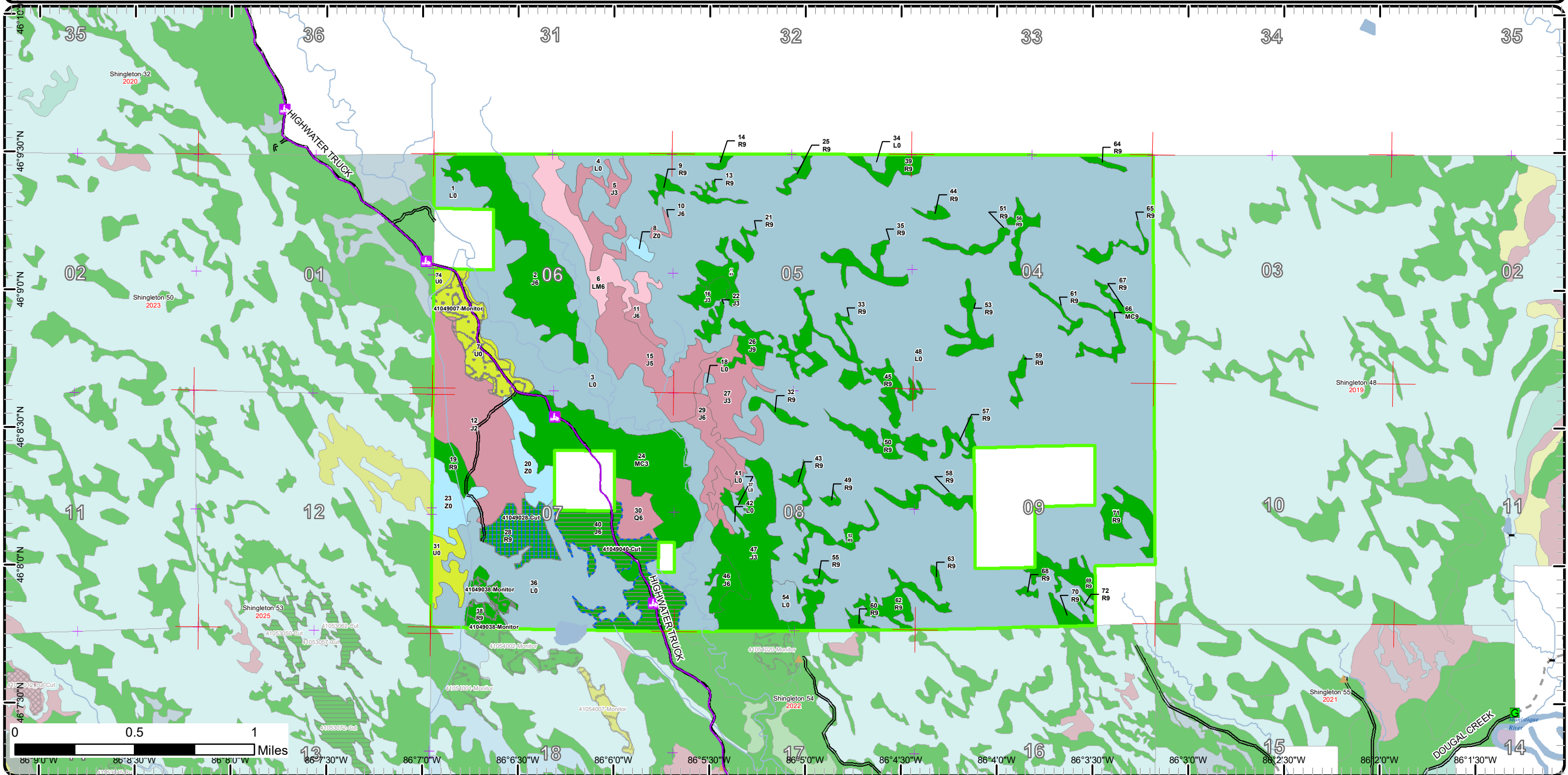
The following information is displayed, where pertinent, on the attached compartment maps:

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

Compartment: 49  
 T43N, R14W, Sec: 4-9  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Seney Manistique Swamp  
 YOE: 2024  
 Acres: 3578.3 GIS Calculated  
 Examiner: Tori Irving  
 Map Revised: 8/17/2022  
 Map Phase: Web Post

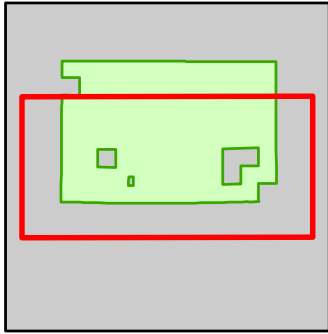


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Regeneration Survey
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

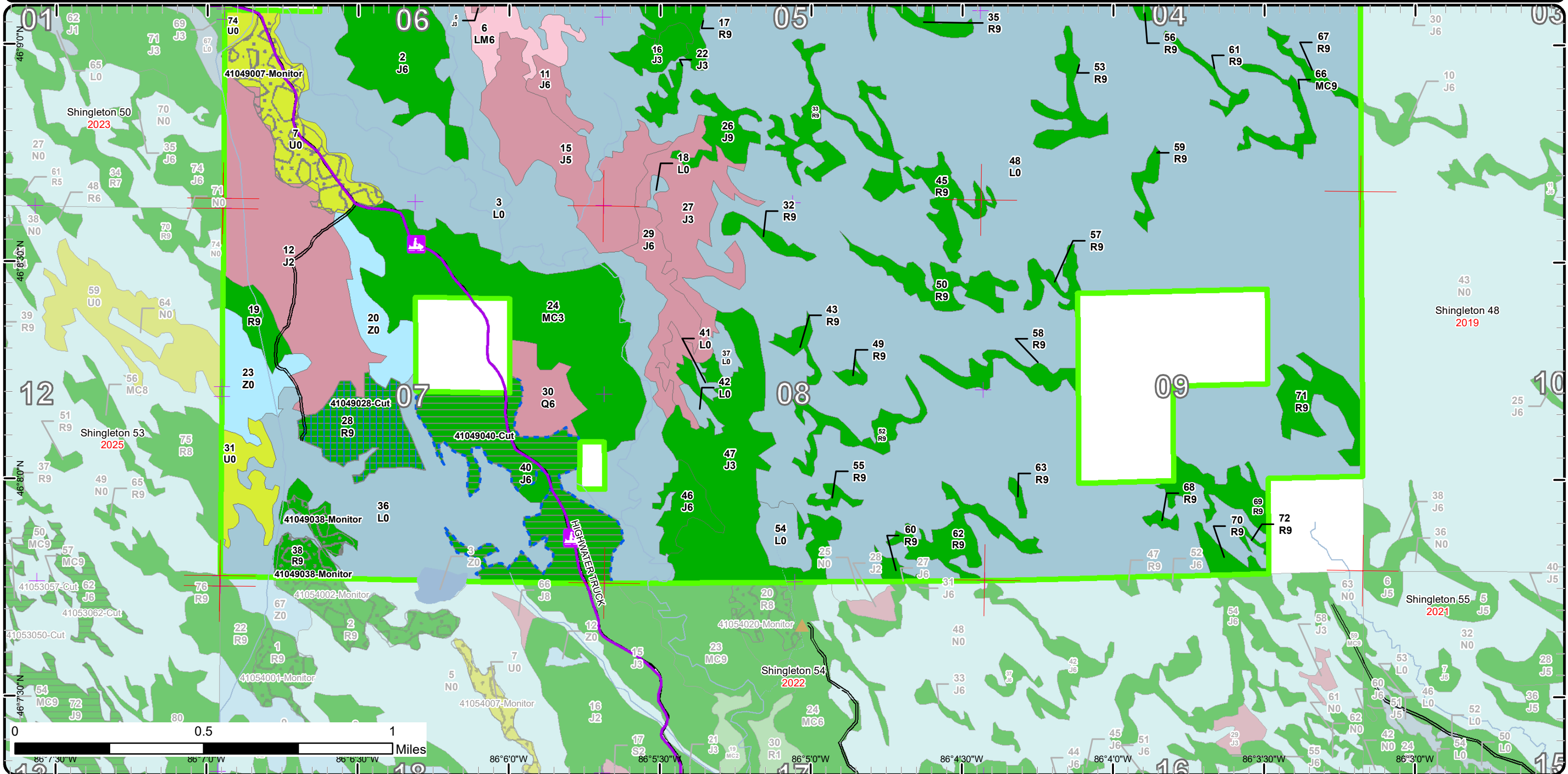


# Cover Type & Treatments Map

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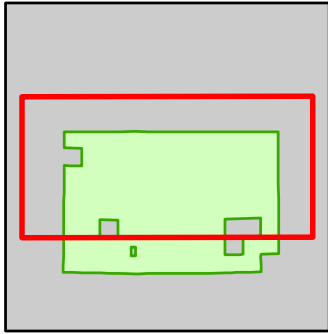


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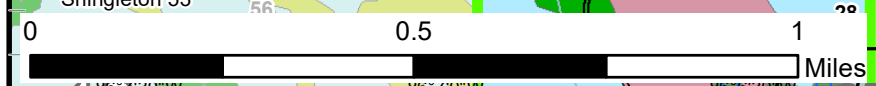
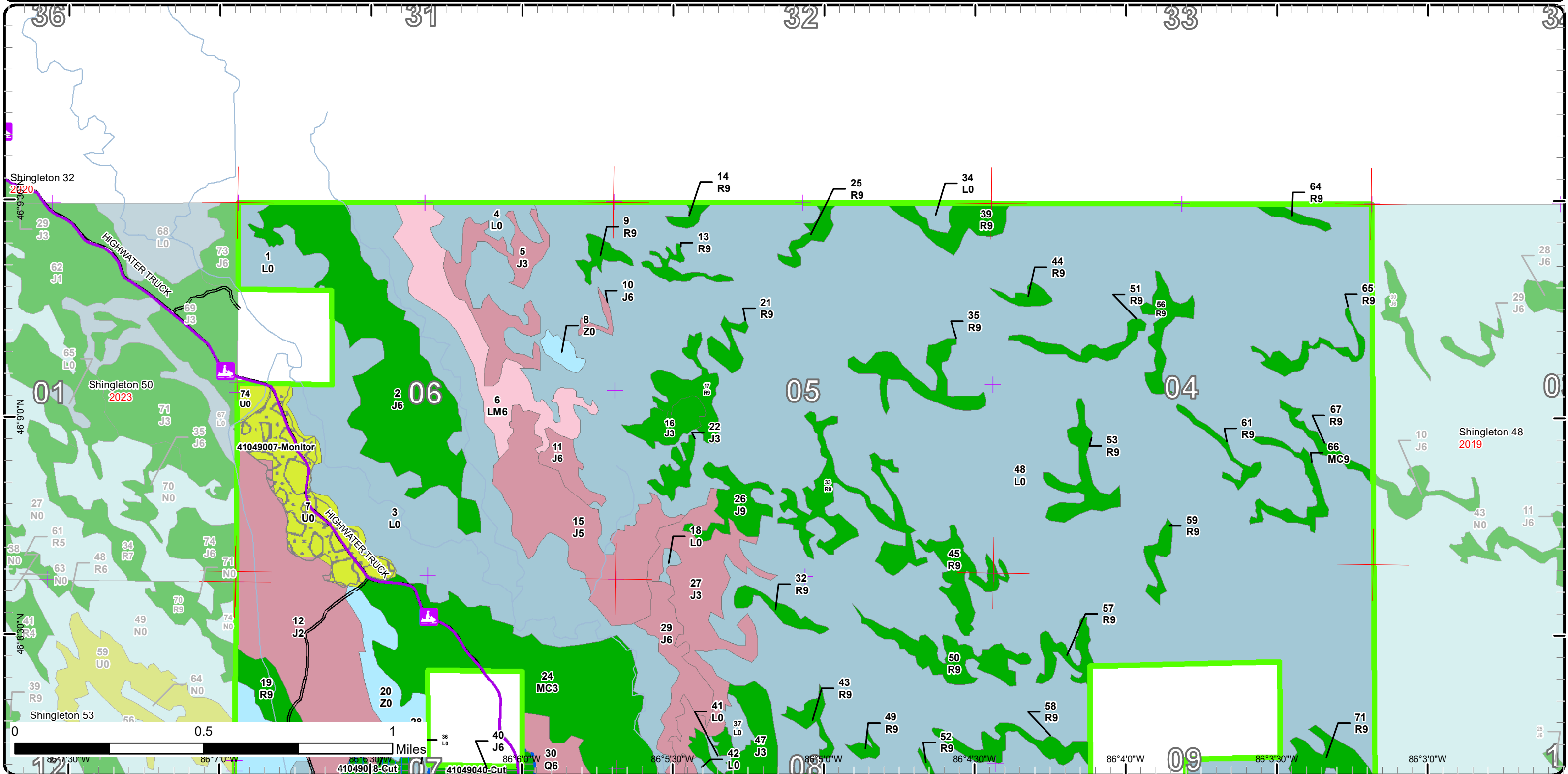


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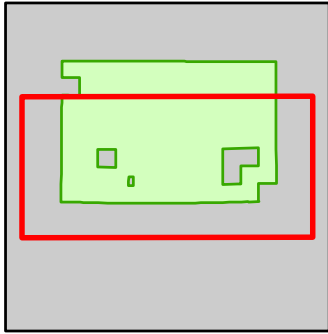
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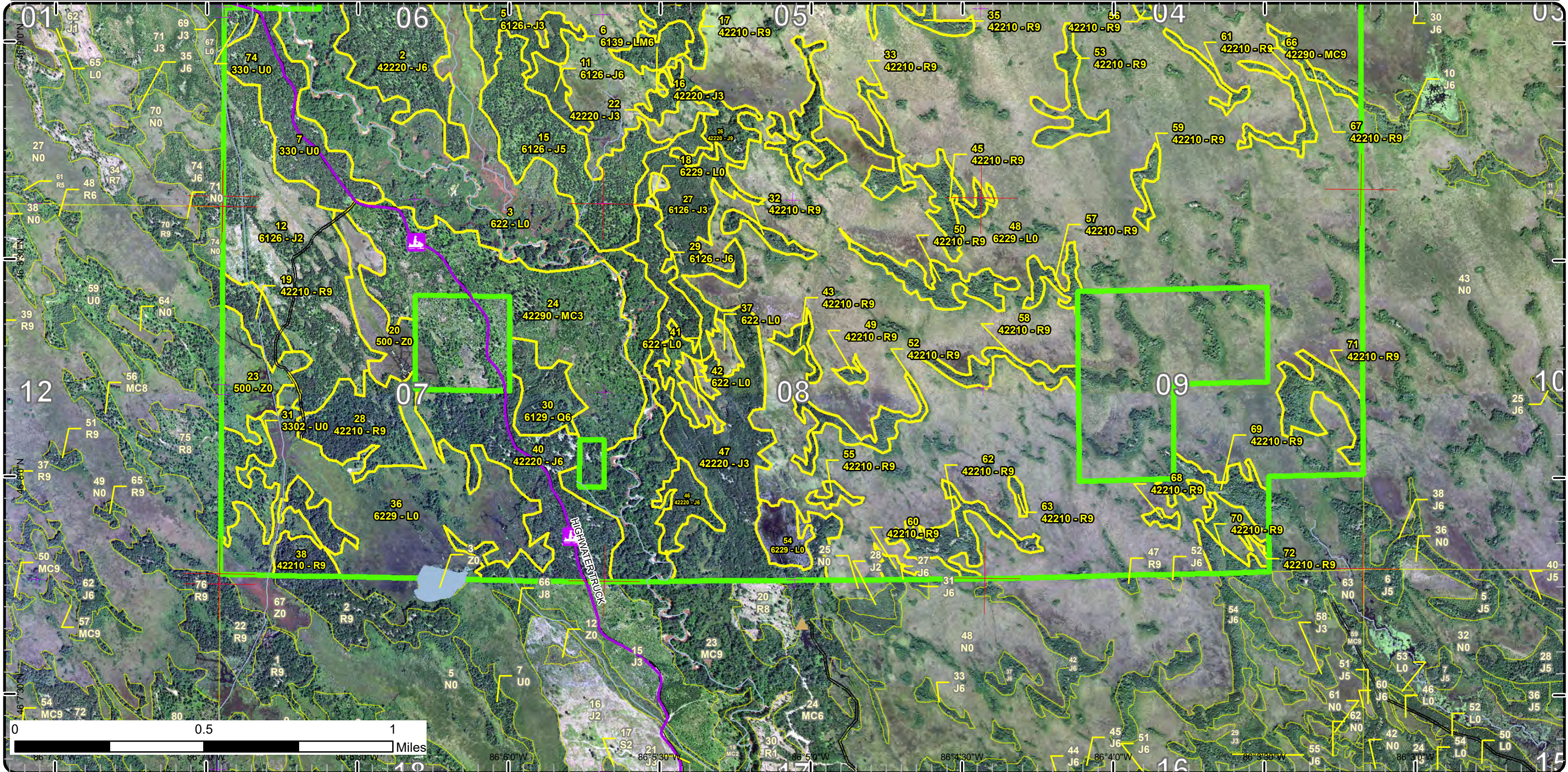
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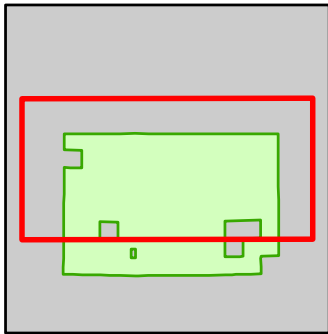
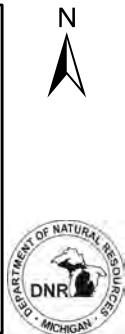


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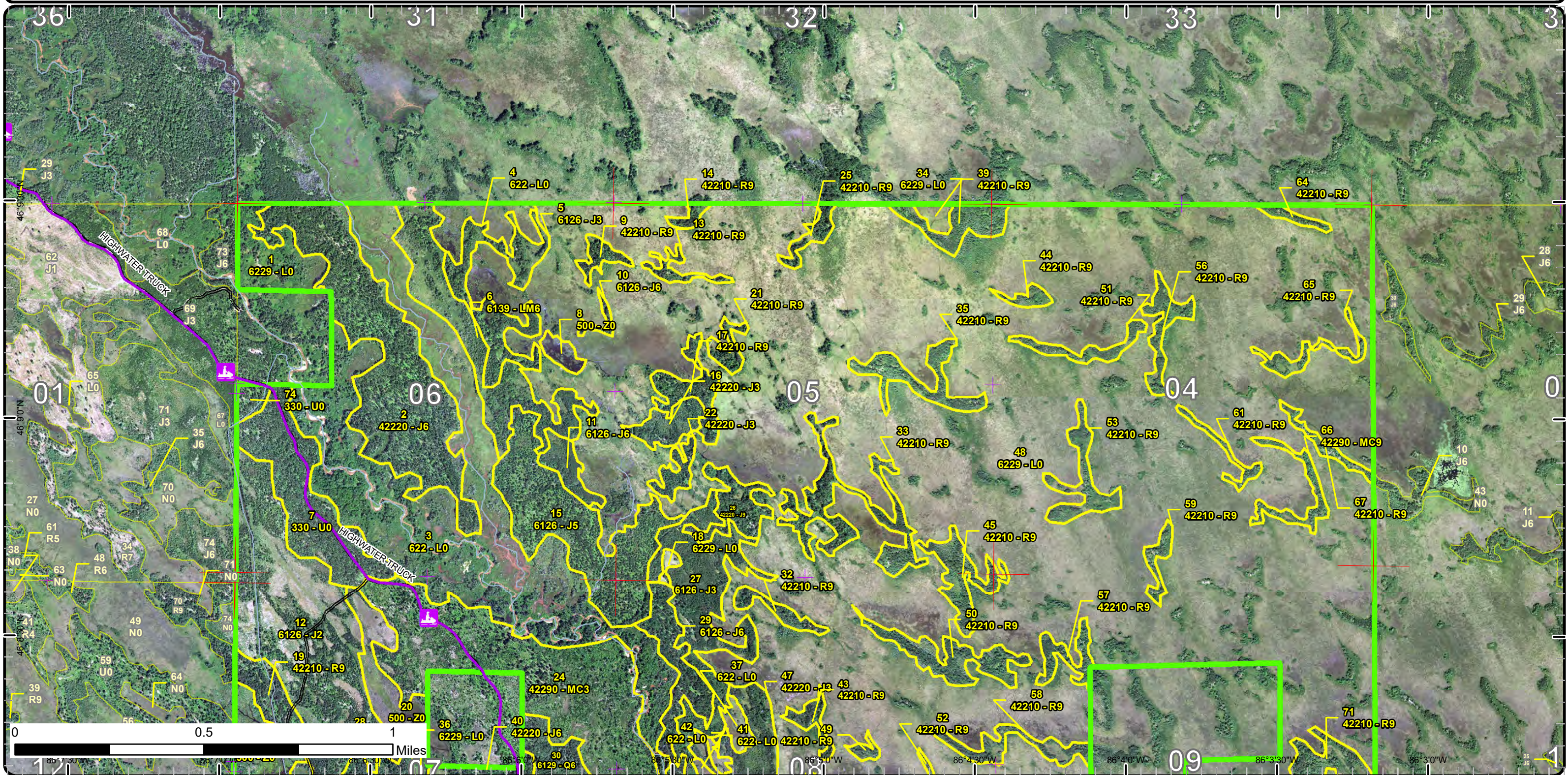


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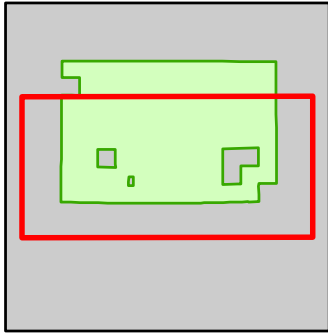


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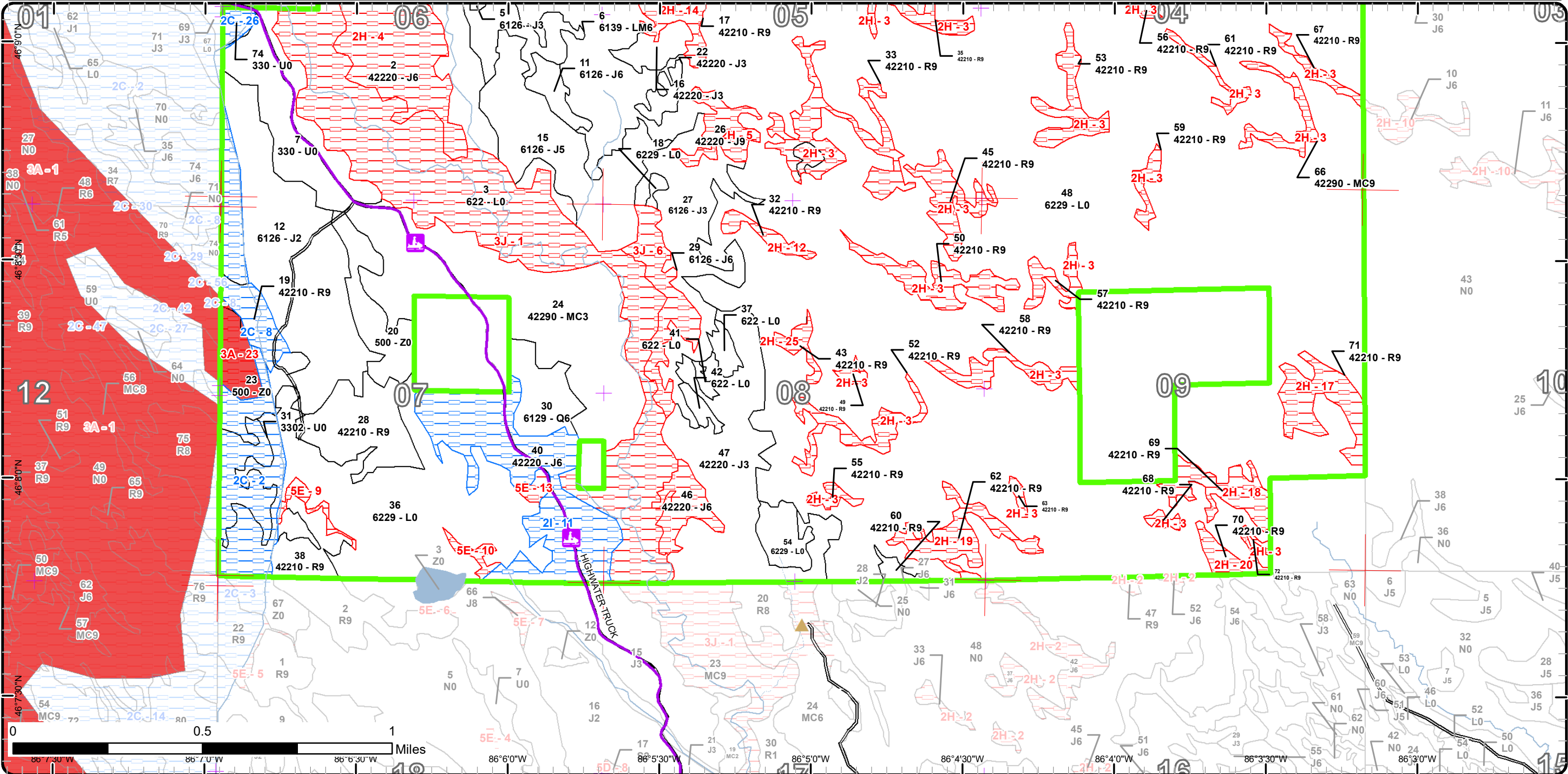


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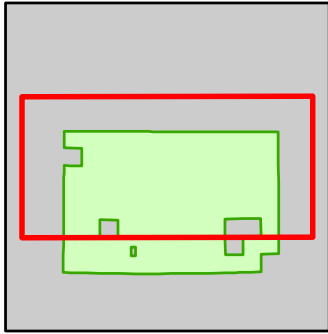
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- Available w/ Constraints
- 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)
- 2I: Survey needed
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas



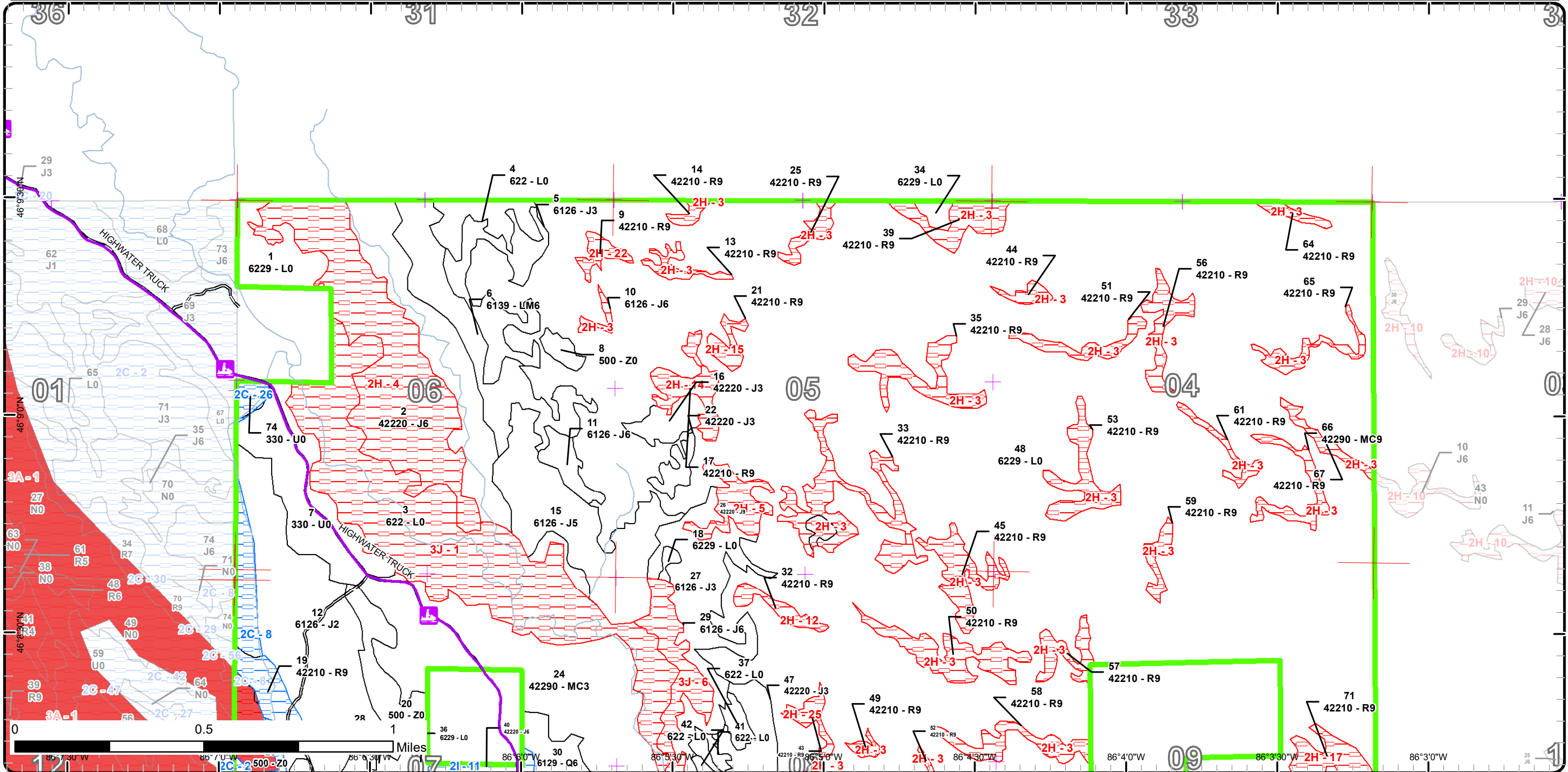


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Jack Pine	0	0	111	0	65	194	0	22	80	26	97	0	0	0	0	0	0	0	595
Low-Density Trees	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Lowland Conifers	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	21
Lowland Mixed Forest	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	46
Lowland Shrub	2318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2318
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	120	128
Red Pine	0	0	0	0	0	0	0	13	57	277	0	0	0	0	0	0	0	0	347
Water	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
<b>Total</b>	<b>2444</b>	<b>0</b>	<b>111</b>	<b>0</b>	<b>65</b>	<b>194</b>	<b>0</b>	<b>35</b>	<b>204</b>	<b>311</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>3580</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit  
Year of Entry: 2024

Acres of Harvest

Compartment 49  
Total Compartment Acres: 3,578

Commercial Harvest -  
Harvests with Site Condition - 77  
Next Step Harvest - 0  
Habitat Cut - 34

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	77	0	0	0	0	0	0	0	0	77
Red Pine	0	0	0	34	0	0	0	0	0	34
<b>Total</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>111</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	111	0	0	0	0	0	59	0	0	170
Next Step	0	244	122	77	0	0	156	0	0	599
<b>Total</b>	<b>111</b>	<b>244</b>	<b>122</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>769</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
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**Proposed Treatments:**

<b>28</b>	<b>41049028-Cut</b>	33.6	42210 - Natural Red Pine	Sawtimber Well	78	111-140	Harvest	Seed Tree with Retention	4221 - Natural Red Pine	Two-Aged	Yes
<p><u>Prescription</u> Mark stand to a residual of 30 BA.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> Mixed pine will be considered acceptable.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>40</b>	<b>41049040-Cut</b>	77.2	42220 - Natural Jack Pine	Poletimber Well	72	111-140	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees except oak. Retention area has been excluded from the treatment boundary.  <u>Specs:</u>  <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Seeding, Machine Seed  <u>Treatments:</u>  <u>Acceptable</u> Regeneration should be primarily jack pine and aspen and scattered oak.  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition:</u> Survey Needed  <u>Proposed Start Date:</u> 10/1 /2023</p>											

**Approved Treatments:**

<b>7</b>	<b>41049007-Monitor</b>	44.8	330 - Low-Density Trees	Nonstocked	0		Monitoring	Natural Regen (Intermediate)	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Scarified in September 2019. Check regeneration in October 2022.  <u>Specs:</u>  <u>Next Step</u> SitePrep, Scarification; ; SitePrep, Trenching; Planting, Initial Plant; ; Monitoring, Artificial Regen(3yr)  <u>Treatments:</u>  <u>Acceptable</u> Jack pine  <u>Regen:</u>  <u>Other</u> Percent to Treat = 100%  <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/1 /2022</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
38 41049038-Monitor	14.1	42210 - Natural Red Pine	Sawtimber Well	78	1-50	Monitoring	Natural Regen (Re-Inventory)	42210 - Natural Red Pine	Uneven-Aged	No
<p><u>Prescription</u> Count regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Natural regeneration of red pine, jack pine, and white pine is acceptable.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment Acreage Proposed: 169.7

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 49

Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions						
		With Condition	Not Available		2C	2I	2H	3A	3J	5E
594	354	<b>88</b>	153	Jack Pine	<b>14</b>	<b>74</b>	124		22	6
72	48	<b>24</b>	0	Low-Density Trees	<b>24</b>					
21	21	<b>0</b>	0	Lowland Conifers						
46	46	<b>0</b>	0	Lowland Mixed Forest						
2317	2099	<b>21</b>	198	Lowland Shrub	<b>21</b>		3		195	
127	119	<b>0</b>	8	Natural Mixed Pines			8			
347	52	<b>12</b>	283	Red Pine	<b>12</b>		279	0		4
55	33	<b>10</b>	12	Water	<b>10</b>			12		
3,578	2,771	<b>154</b>	653	Total Forested Acres	<b>80</b>	<b>74</b>	414	12	217	10
	77%	<b>4%</b>	18%	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	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	195	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	<b>2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)</b>	50	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	199	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 49

Year of Entry: 2024

4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	97	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 49

Year of Entry: 2024

10	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> This stand is the only mature jack pine in the compartment. It can be held for another 10 years but will probably need to be cut during the next entry.</p>							
11	Available	2I: Survey needed	74	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
13	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							



**Report 4 – Site Conditions**

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 49

Year of Entry: 2024

17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 49

Year of Entry: 2024

23	Unavailable	3A: Conservation Values incompatible with harvest at this time	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	4	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

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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
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	6229 - Mixed lowland shrub	Nonstocked	21.8		Immature	No																
2	42220 - Natural Jack Pine	Poletimber Well	96.8	97	111-140	N/A																
<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>Jack Pine</td> <td>80</td> <td>Pole</td> <td>8</td> <td>97</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	80	Pole	8	97	Red Pine	20	Log/Pole	12	
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	80	Pole	8	97																		
Red Pine	20	Log/Pole	12																			
3	622 - Lowland Shrub	Nonstocked	252.7			No	East Duck Creek Goes through the middle of the shrub.															
4	622 - Lowland Shrub	Nonstocked	15.6			No																
5	6126 - Lowland Jack Pine	Sapling Well	28.4	47		N/A																
6	6139 - Mixed Lowland Forest	Poletimber Well	45.9	74		N/A																
7	330 - Low-Density Trees	Nonstocked	48.1	0		No	Scarified in September 2019. Check regeneration in October 2022.															
8	500 - Water	Nonstocked	4.3			No																
9	42210 - Natural Red Pine	Sawtimber Well	4.5	89	111-140	N/A																
10	6126 - Lowland Jack Pine	Poletimber Well	1.9	47		N/A																
11	6126 - Lowland Jack Pine	Poletimber Well	8.3	47	Unspecified	N/A																
12	6126 - Lowland Jack Pine	Sapling Medium	110.8	18		N/A																
<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>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>18</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling	1	18					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling	1	18																		
13	42210 - Natural Red Pine	Sawtimber Well	4.2	89	111-140	N/A																
14	42210 - Natural Red Pine	Sawtimber Well	2.4	89	111-140	N/A																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
15	6126 - Lowland Jack Pine	Poletimber Medium	64.7	35		N/A																																				
16	42220 - Natural Jack Pine	Sapling Well	9.7	47		N/A																																				
17	42210 - Natural Red Pine	Sawtimber Well	12.3	89	111-140	N/A																																				
18	6229 - Mixed lowland shrub	Nonstocked	1.7	0		No																																				
19	42210 - Natural Red Pine	Sawtimber Well	12.7	66	111-140	N/A	Stand was on proposal with sale Marsh Riders. Contract expired and stand was never harvested.																																			
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Red Pine	90	Log/Pole	15	66																																						
Jack Pine	10	Pole	10																																							
20	500 - Water	Nonstocked	24.3			No																																				
21	42210 - Natural Red Pine	Sawtimber Well	4.7	89	111-140	N/A																																				
22	42220 - Natural Jack Pine	Sapling Well	5.7	47		N/A																																				
23	500 - Water	Nonstocked	25.9			No																																				
24	42290 - Natural Mixed Pine	Sapling Well	119.5	22	Immature	N/A	Cut as part of the Carrington Lake Sale that was cut in 2000. Stand was treated under FTP C41-755. Regen check was completed in 2006. Counts were 422 jack pine, 242 red pine, 221 red maple, 48 aspen, 166 black spruce, 14 white pine - 1114 total. Stand is fully stocked and FTP c41-755 is closed.																																			
<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>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>35</td> <td>Sapling</td> <td>4</td> <td>22</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Sapling	4		Black Spruce	15	Sapling	4		Red Maple	20	Sapling	4		White Pine	5	Sapling	4		Jack Pine	35	Sapling	4	22	Red Pine	20	Sapling	4	
Canopy Species	% Cover	Size Class	DBH	Age																																						
Quaking Aspen	5	Sapling	4																																							
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Red Maple	20	Sapling	4																																							
White Pine	5	Sapling	4																																							
Jack Pine	35	Sapling	4	22																																						
Red Pine	20	Sapling	4																																							
25	42210 - Natural Red Pine	Sawtimber Well	5.0	78	111-140	N/A																																				
26	42220 - Natural Jack Pine	Sawtimber Well	13.0	89	Unspecified	N/A																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
27	6126 - Lowland Jack Pine	Sapling Well	51.9	47	Unspecified	N/A																										
28	42210 - Natural Red Pine	Sawtimber Well	33.6	78	111-140	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Jack Pine	20	Pole	9																													
White Pine	10	Log/Pole	13																													
Red Pine	70	Log/Pole	12	78																												
29	6126 - Lowland Jack Pine	Poletimber Well	22.3	64	Unspecified	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Red Pine	10	Pole/Log	8																													
Jack Pine	90	Pole	7	64																												
30	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	20.6	70		N/A																										
<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>Northern White Cedar</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td>94</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>40</td> <td>Pole/Log</td> <td>8</td> <td>70</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	25	Pole/Log	8	94	White Pine	15	Log/Pole	12		Red Pine	20	Log/Pole	11		Black Spruce	40	Pole/Log	8	70
Canopy Species	% Cover	Size Class	DBH	Age																												
Northern White Cedar	25	Pole/Log	8	94																												
White Pine	15	Log/Pole	12																													
Red Pine	20	Log/Pole	11																													
Black Spruce	40	Pole/Log	8	70																												
31	3302 - Low Density Conifer Trees	Nonstocked	19.3		Unspecified	42110 - Planted Red Pine	Stand was approved for treatment at the 2005 review and was treated with Compartment 53 as part of the Frozen Paint Sale. Sale was cut in 2010. Monitor the regeneration.																									
32	42210 - Natural Red Pine	Sawtimber Well	5.5	89	111-140	N/A																										
33	42210 - Natural Red Pine	Sawtimber Well	25.1	89	111-140	N/A																										
34	6229 - Mixed lowland shrub	Nonstocked	3.4		Unspecified	No																										
35	42210 - Natural Red Pine	Sawtimber Well	14.2	89	111-140	N/A																										
36	6229 - Mixed lowland shrub	Nonstocked	140.0		Unspecified	No																										
37	622 - Lowland Shrub	Nonstocked	4.5		Unspecified	No																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
38	42210 - Natural Red Pine	Sawtimber Well	18.8	78	1-50	N/A	Sale is now on proposal 41-009-12-01, Wide Open Spaces Unit 2, Residual BA = red pine 35', white pine 10' for 45' total.  Stand was cut as part of Wide Open Spaces Sale. TCR Date 9/26/2018.																																						
39	42210 - Natural Red Pine	Sawtimber Well	12.3	89	111-140	N/A																																							
40	42220 - Natural Jack Pine	Poletimber Well	80.1	72	111-140	N/A																																							
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Canopy Species	% Cover	Size Class	DBH	Age																																									
White Pine	5	Log/Pole	10																																										
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White Pine	Low	< 5 feet	Sapling																																										
41	622 - Lowland Shrub	Nonstocked	1.9		Unspecified	No																																							
42	622 - Lowland Shrub	Nonstocked	3.5		Unspecified	No																																							
43	42210 - Natural Red Pine	Sawtimber Well	4.6	89	111-140	N/A																																							
44	42210 - Natural Red Pine	Sawtimber Well	3.2	89	111-140	N/A																																							
45	42210 - Natural Red Pine	Sawtimber Well	13.6	89	111-140	N/A																																							
46	42220 - Natural Jack Pine	Poletimber Well	12.8	84	Unspecified	N/A																																							
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Jack Pine	90	Pole	9	84																																									
Red Pine	10	Log/Pole	12	84																																									
47	42220 - Natural Jack Pine	Sapling Well	87.9	47	Unspecified	N/A																																							
48	6229 - Mixed lowland shrub	Nonstocked	1,859.7			No																																							
49	42210 - Natural Red Pine	Sawtimber Well	1.9	89	111-140	N/A																																							





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	42210 - Natural Red Pine	Sawtimber Well	16.8	89	111-140	N/A	
51	42210 - Natural Red Pine	Sawtimber Well	6.8	89	111-140	N/A	
52	42210 - Natural Red Pine	Sawtimber Well	12.4	89	111-140	N/A	
53	42210 - Natural Red Pine	Sawtimber Well	12.2	89	111-140	N/A	
54	6229 - Mixed lowland shrub	Nonstocked	12.2		Unspecified	No	
55	42210 - Natural Red Pine	Sawtimber Well	2.9	89	111-140	N/A	
56	42210 - Natural Red Pine	Sawtimber Well	9.3	89	111-140	N/A	
57	42210 - Natural Red Pine	Sawtimber Well	7.3	89	111-140	N/A	
58	42210 - Natural Red Pine	Sawtimber Well	10.6	89	111-140	N/A	
59	42210 - Natural Red Pine	Sawtimber Well	4.5	89	111-140	N/A	
60	42210 - Natural Red Pine	Sawtimber Well	3.2	89	111-140	N/A	
61	42210 - Natural Red Pine	Sawtimber Well	3.9	89	111-140	N/A	
62	42210 - Natural Red Pine	Sawtimber Well	18.1	89	111-140	N/A	
63	42210 - Natural Red Pine	Sawtimber Well	1.7	89	111-140	N/A	
64	42210 - Natural Red Pine	Sawtimber Well	3.0	89	111-140	N/A	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	42210 - Natural Red Pine	Sawtimber Well	6.3	89	111-140	N/A	
66	42290 - Natural Mixed Pine	Sawtimber Well	7.7	89	111-140	N/A	
67	42210 - Natural Red Pine	Sawtimber Well	4.6	89	111-140	N/A	
68	42210 - Natural Red Pine	Sawtimber Well	1.8	89	111-140	N/A	
69	42210 - Natural Red Pine	Sawtimber Well	15.7	89	111-140	N/A	
70	42210 - Natural Red Pine	Sawtimber Well	6.4	89	111-140	N/A	
71	42210 - Natural Red Pine	Sawtimber Well	20.0	89	111-140	N/A	
72	42210 - Natural Red Pine	Sawtimber Well	1.3	89	111-140	N/A	
74	330 - Low-Density Trees	Nonstocked	4.3	0		4222 - Natural Jack Pine	Scarified in September 2019. Check regeneration in October 2022.