



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41052

Entry Year 2026

Acreage: 2,001

County Schoolcraft

Management Area: Seney Lake Plain

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**Stand Examiner:** Adam Petrelius

**Legal Description:**

T43N, R15W, Sections 5-8, and 18

**Identified Planning Goals:**

The main objectives in this area timber harvesting; wildlife management; protecting unique areas; and providing opportunities for forest recreation.

**Soil and topography:**

The topography in this compartment is mostly flat and includes upland ridges of mixed pine within the marsh types. Soil types in the compartment include Rousseau-Neconish-Deford Complex, Deford Muck, Markey Mucky Peat, Proper Sand, Pelkie, Dawson, Greenwood, and Loxly Soils.

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

The entire southern boundary of this compartment borders private land. The majority of the north, west, and eastern boundary are state land. A couple private camps are present along this southern boundary. In 1986 the DNR had acquired the land located north of Southside Road within SWNE and SENW of Section 8 as a gift.

**Unique Natural Features:**

No Unique Natural Features known.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

No Special Management Designations or Considerations known.

**Watershed and Fisheries Considerations:**

NLMMU – John Bauman: This compartment contains Hiawatha Creek, Grindstone Creek, Stutts Creek, and Hay Meadow Creek. Hiawatha Creek is a designated Type 1 trout stream less than 50-ft wide with a predicted mean July water temperature of 60.4 °F (cold stream). A 300-foot buffer is recommended for Hiawatha Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Grindstone Creek, Stutts Creek, and Hay Meadow Creek are all non-designated streams less than 50-ft wide with predicted mean July water temperatures that range from 61.9 to 65.8 °F (cold streams). A 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Grindstone Creek, Stutts Creek, and Hay Meadow Creek, to protect these areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

Wildlife featured species: Beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare and deer.

**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 potential for occurrences of commercial deposits of metallic or critical minerals in this area. The closest known active sand/gravel operation is less than two miles southwest. The compartment, however, is dominated by wetlands, which would inhibit significant surface mining, even if potential for aggregates exists. No current leasing activity exists in the area involving State-owned mineral rights, and there are no notable prospects for mineral development in the area at this time. 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:**

About half of the compartment can be accessed by vehicles. The other half is composed of pine ridges surrounded by marsh types. Winter access roads to these ridges have been blocked to vehicle traffic following previous timber sales. Southside Road, a dirt County Road, runs east-west through the compartment and a small portion is plowed during the winter months. A few woods roads are present and are accessible to 2-wheel drive vehicles.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

No recreational facilities are located within this compartment, however hunting and fishing opportunities occur.

**Fire Protection:**

Northern portions of the compartment are highly inaccessible and contain marsh/pine ecosystem. Majority of fuels in the compartment are mixed jack, red, and white pine.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

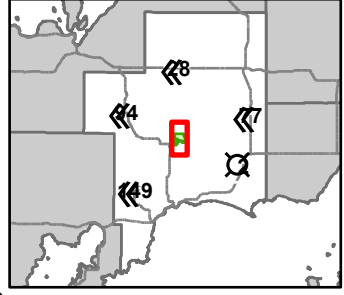
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

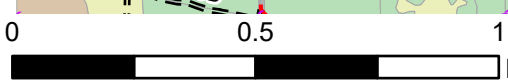
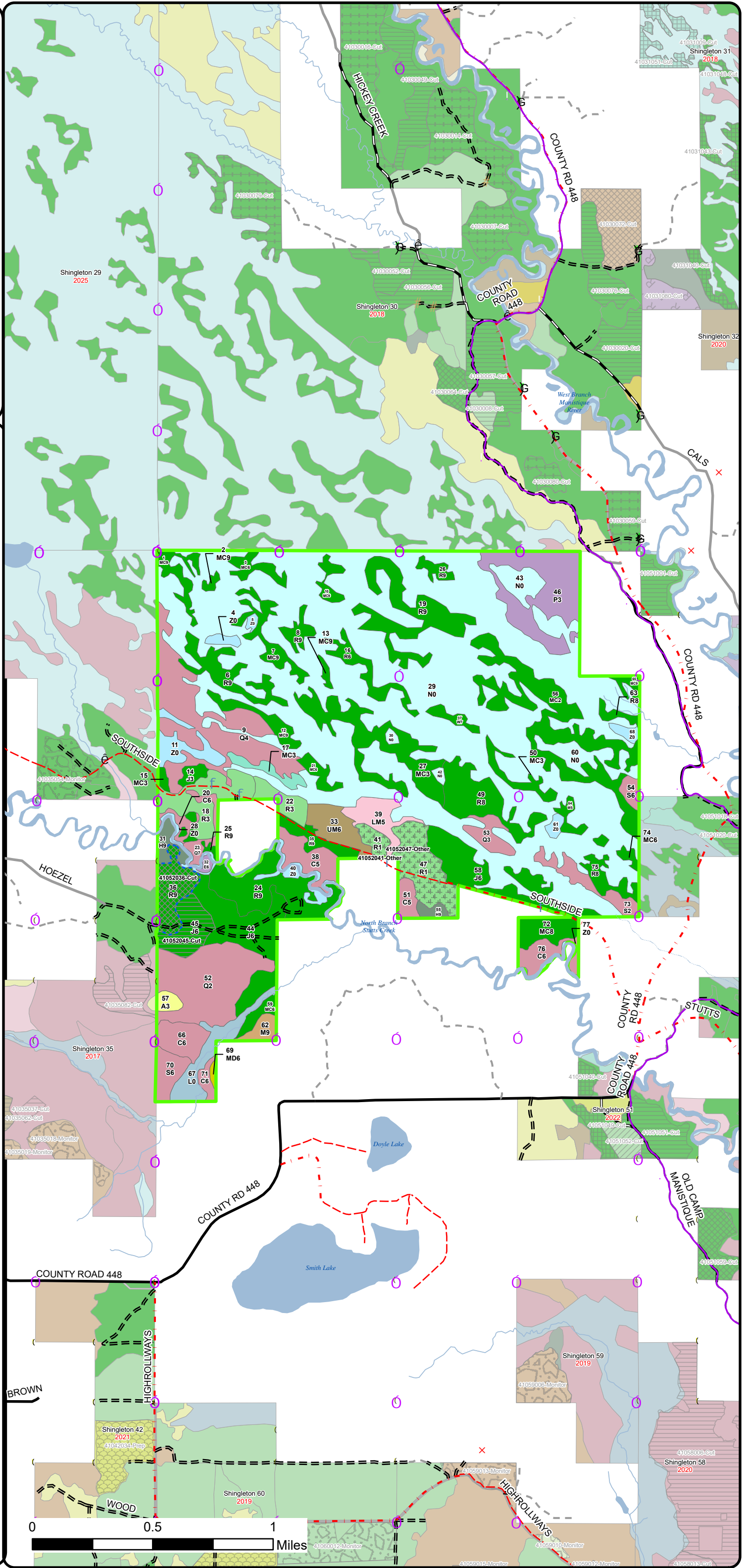
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 41052  
 T43N, R15W, Sec: 5-8, 18  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Seney Lake Plain  
 YOY: 2026  
 Acres: 2000.9 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 08/05/2024  
 Map Phase: Web Post

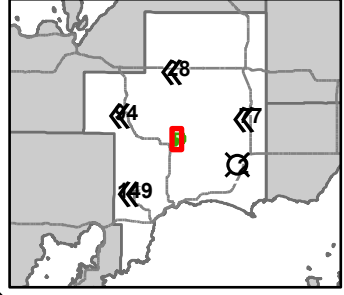


- # Berms
- ⊗ Gate
- ê Bridges
- f Culvert
- × Cabin
- ⊕ Survey Grade Corners
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- - - Treatments with Site Conditions
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
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- 622 - Lowland Shrub
- 623 - Emergent Wetland

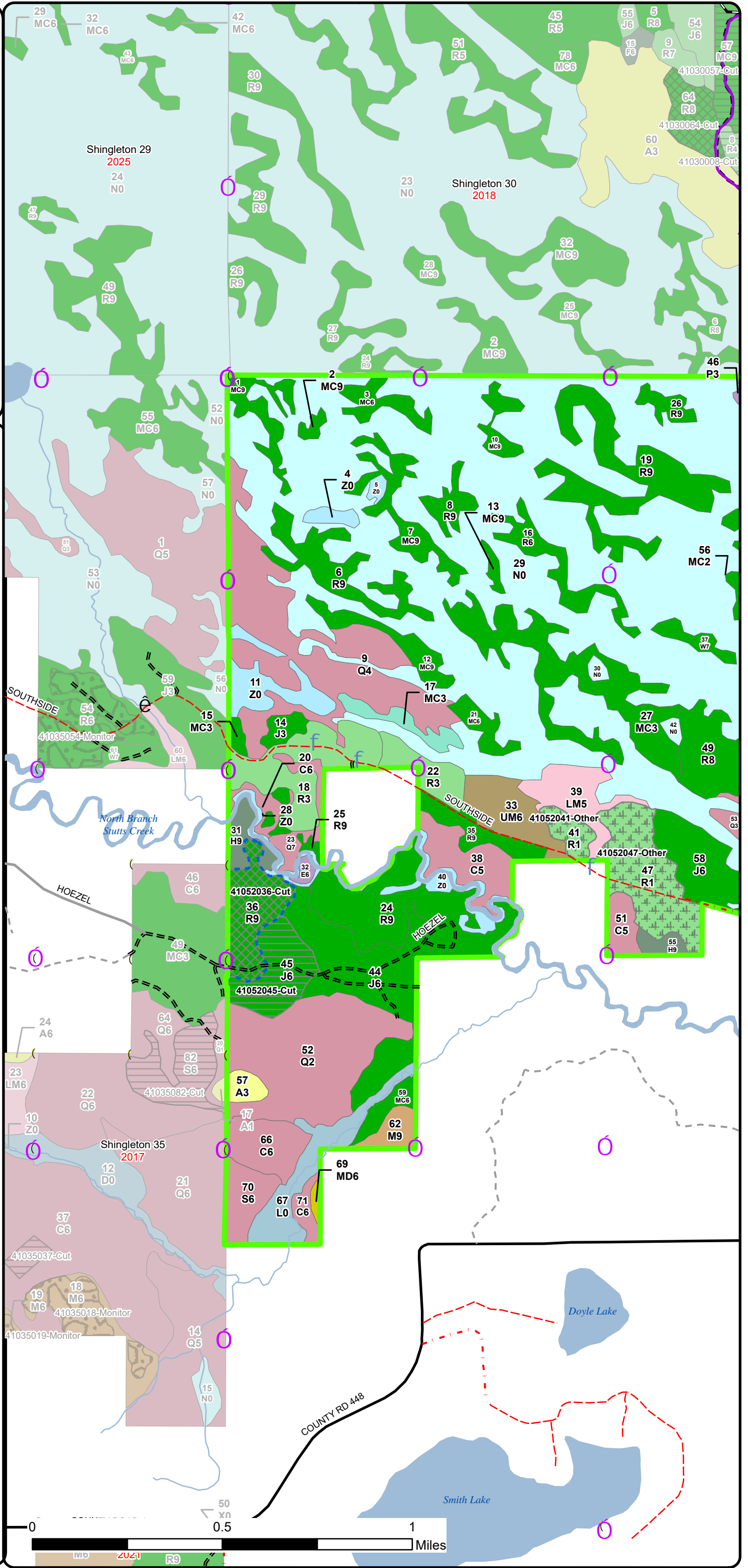


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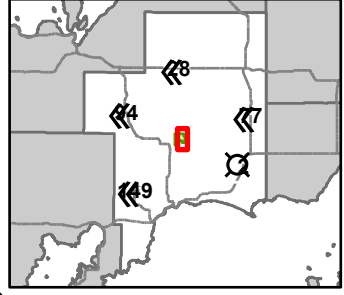


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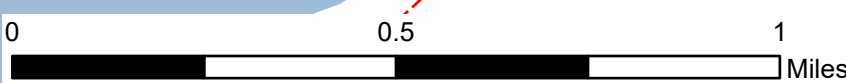
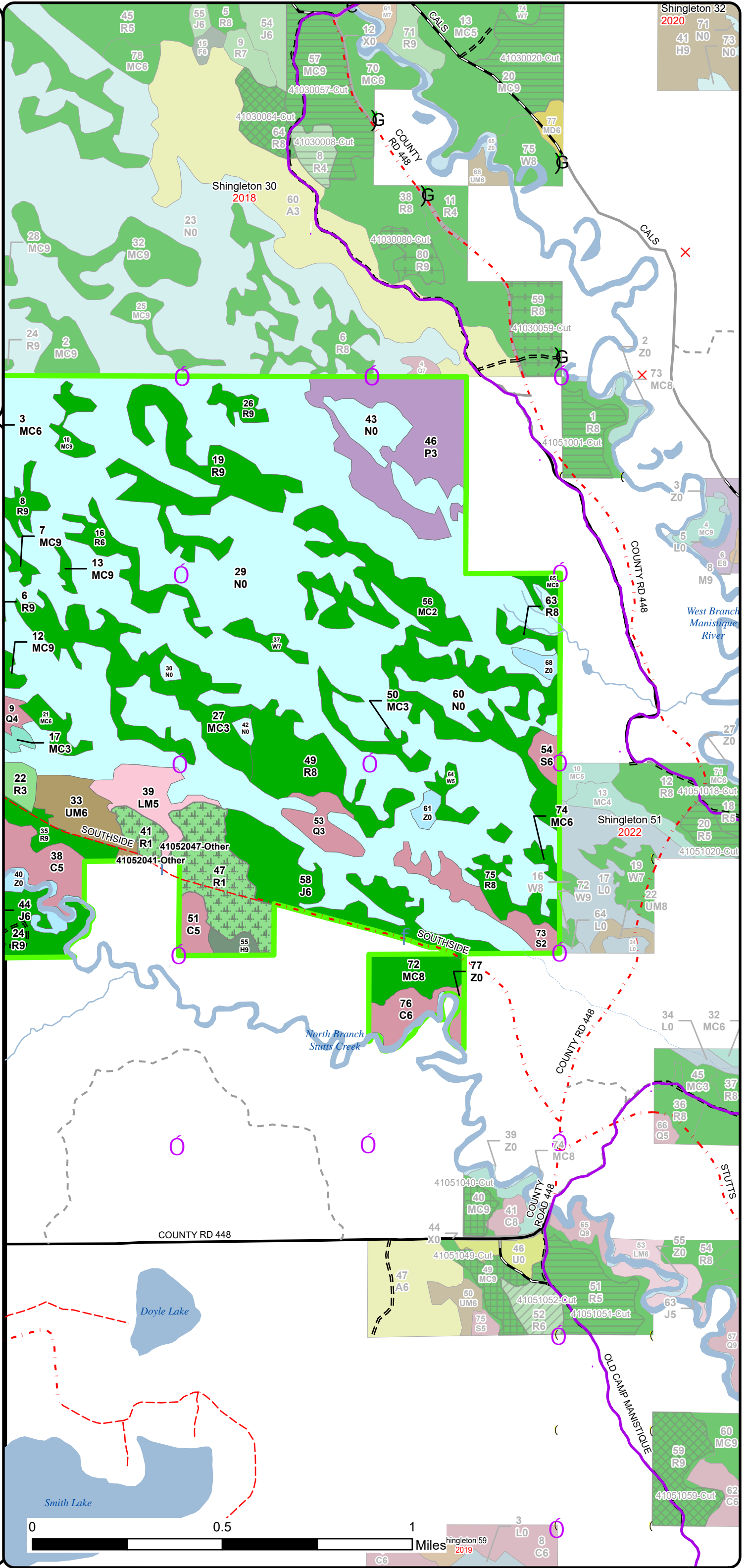


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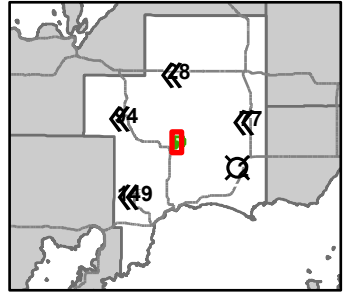
Shingleton 32  
2020  
41 H9 71 N0 73 N0

Shingleton 51  
2022  
41051018-Cut  
41051020-Cut

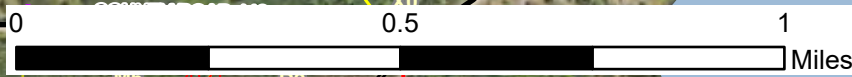
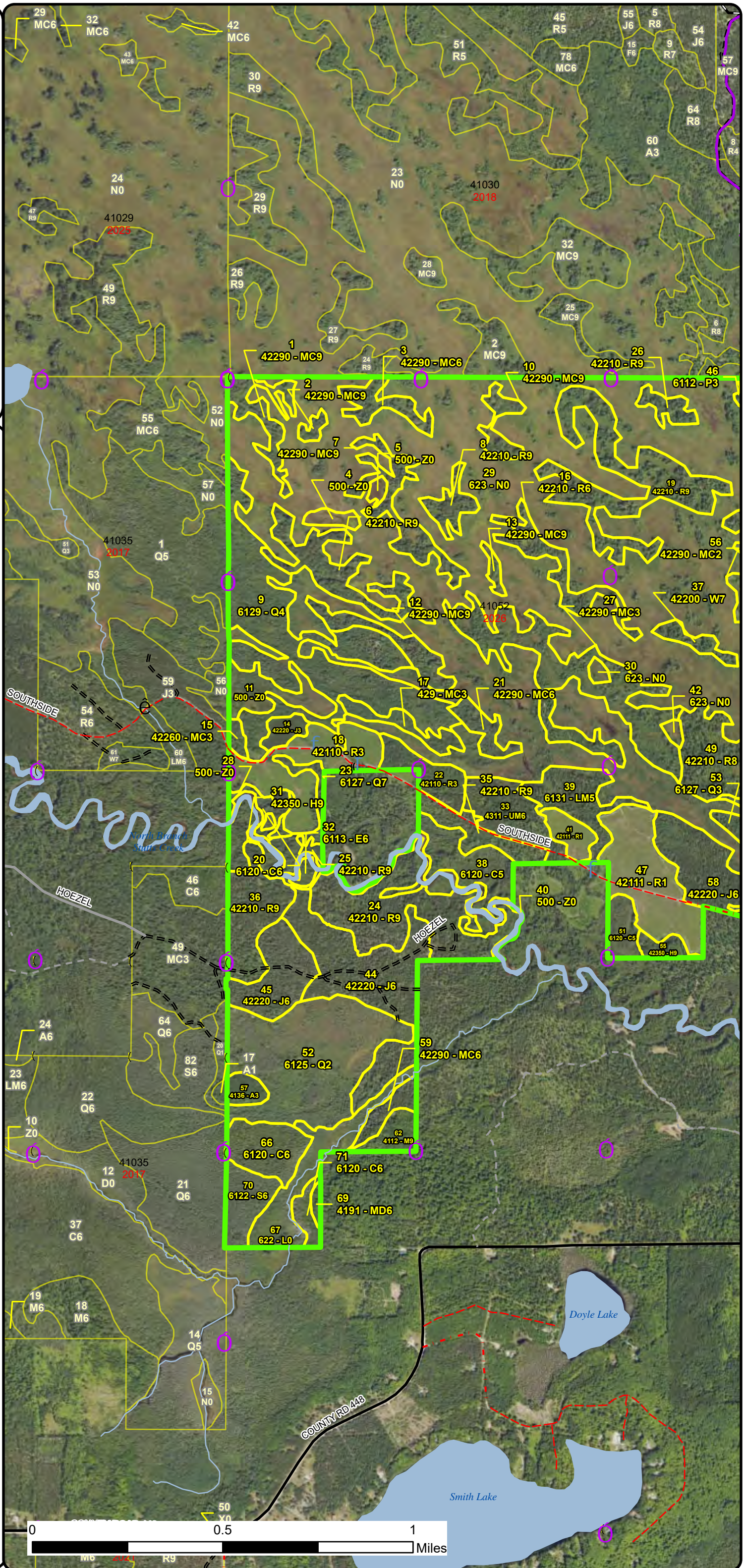
Shingleton 59  
2019  
3 L0 8 C6

# Stand Boundary Map

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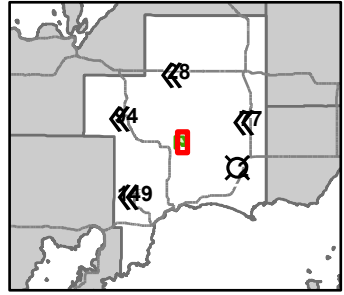


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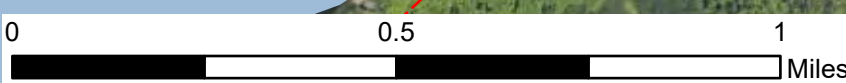
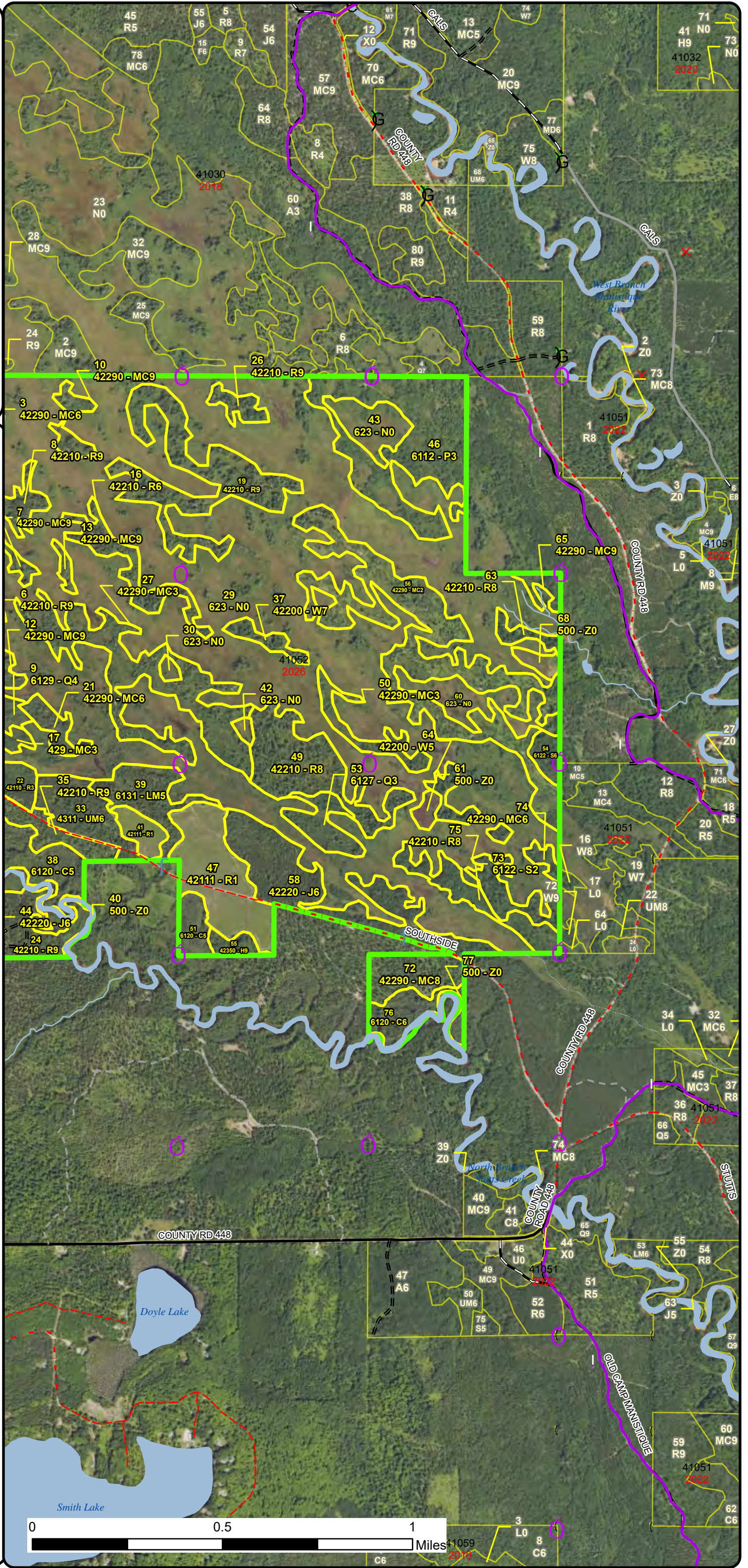


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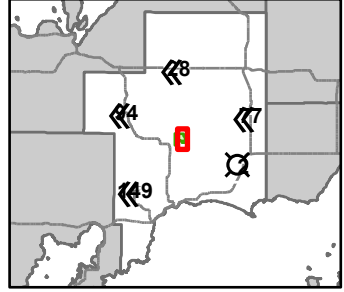
Miles



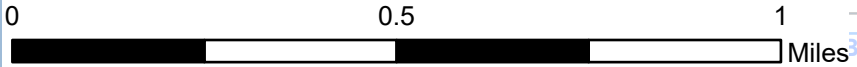
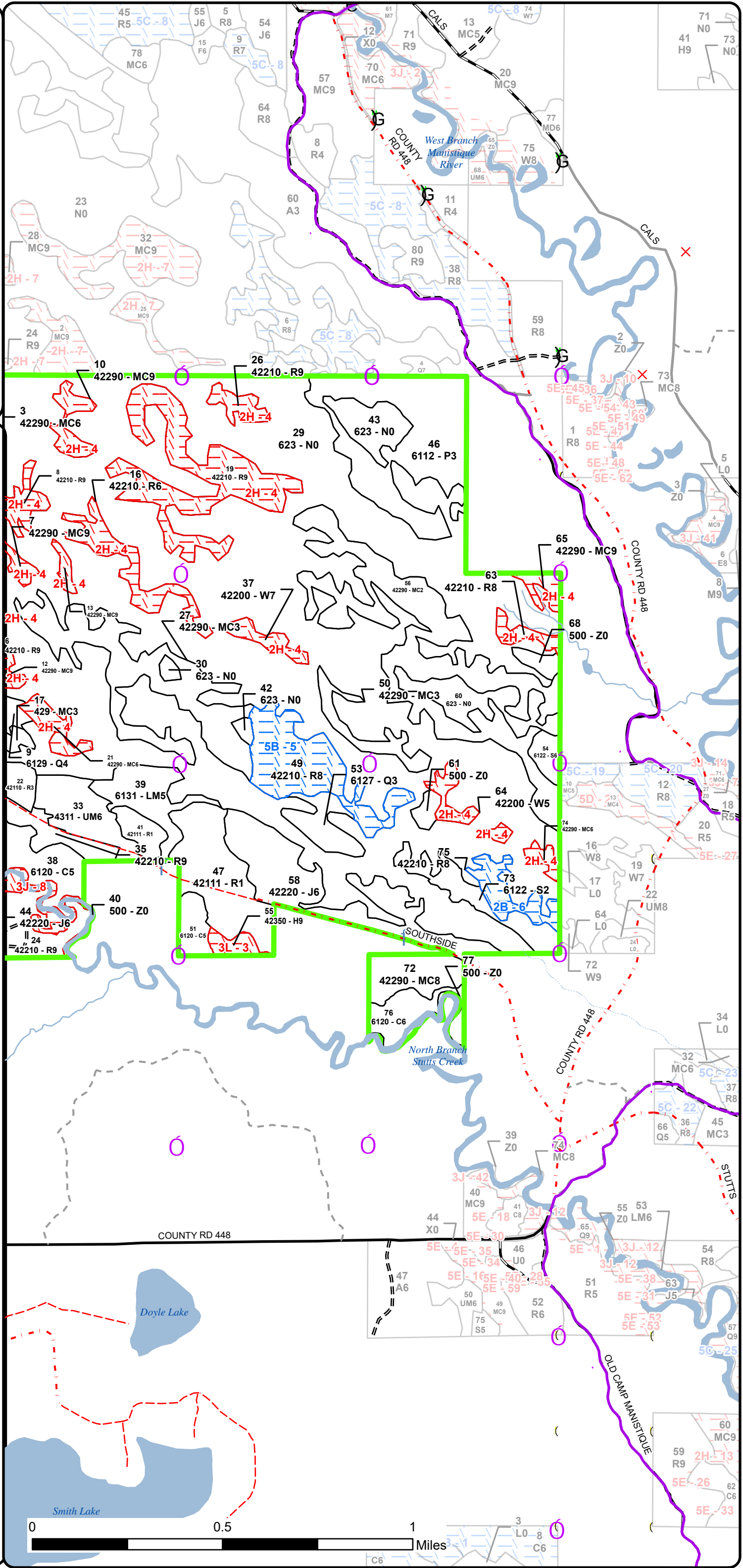


# Special Conservation Areas & Site Conditions Map

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





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	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	0	19	40	8	0	0	0	0	0	0	0	67
Hemlock	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	0	0	0	12
Jack Pine	0	0	0	55	44	0	0	22	0	0	0	0	0	0	0	0	0	0	121
Lowland Aspen/Balsam Poplar	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Conifers	0	0	0	82	0	0	0	0	84	8	0	0	0	0	0	0	0	0	174
Lowland Deciduous	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Lowland Mixed Forest	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Spruce/Fir	0	0	0	0	16	0	5	0	0	13	0	0	0	0	0	0	0	0	34
Marsh	822	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	822
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Natural Mixed Pines	0	81	0	61	2	0	0	0	6	77	0	0	0	0	0	0	0	16	243
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Red Pine	0	43	33	12	0	0	0	0	47	61	39	50	0	0	0	0	0	36	321
Upland Conifers	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Water	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
White Pine	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	10
<b>Total</b>	<b>894</b>	<b>124</b>	<b>33</b>	<b>283</b>	<b>82</b>	<b>19</b>	<b>5</b>	<b>22</b>	<b>158</b>	<b>206</b>	<b>58</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>1999</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit  
Year of Entry: 2026

Acres of Harvest

Compartment 52  
Total Compartment Acres: 2,001

Commercial Harvest - 22  
Harvests with Site Condition - 24  
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
Jack Pine	22	0	0	0	0	0	0	0	0	22
Red Pine	0	24	0	0	0	0	0	0	0	24
<b>Total</b>	<b>22</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	46	0	0	0	0	0	43	0	0	89
Next Step	0	44	22	0	0	0	90	0	0	156
<b>Total</b>	<b>46</b>	<b>44</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>43</b>	<b>0</b>	<b>245</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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**Proposed Treatments:**

<b>36</b>	<b>41052036-Cut</b>	23.7	42210 - Natural Red Pine	Sawtimber Well	90	81-110	Harvest	Single Tree Selection	4221 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Target leaving 40 to 80 basal area. Stand is currently 3 ages. Remove mature trees where present and thin poles. Existing regeneration should be protected. Leave some large crown, older red pine when marking.</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> Any species currently present on site.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

<b>41</b>	<b>41052041-Other</b>	7.0	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	5	Immature	Other	Other	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Plantation has competition problems in areas. This could best be accomplished by hand since trees are too tall for skidder.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</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 /2025</p>											

<b>45</b>	<b>41052045-Cut</b>	22.1	42220 - Natural Jack Pine	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Retention should be place on edge of stand to the south.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial</p> <p><u>Treatments:</u> Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> Any species currently present onsite.</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 /2025</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
47 41052047-Other	36.1	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	5	Immature	Other	Other	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Plantation has competition problems in areas. This could best be accomplished by hand since trees are too tall for skidder.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</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> 10/9 /2024</p>										

**Total Treatment** 88.9  
**Acreage Proposed:**

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 52  
Year of Entry: 2026



### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		2B	5B	5C	2A	2H	3J	3L	
5	5	0	0	Aspen								
67	58	0	9	Cedar				5		5		
12	0	0	12	Hemlock						8	4	
122	122	0	0	Jack Pine								
60	60	0	0	Lowland Aspen/Balsam Poplar								
174	166	0	8	Lowland Conifers						8		
2	0	0	2	Lowland Deciduous						2		
19	19	0	0	Lowland Mixed Forest								
23	23	0	0	Lowland Shrub								
34	21	13	0	Lowland Spruce/Fir			13					
822	822	0	0	Marsh								
2	0	0	2	Mixed Upland Deciduous				2				
244	160	0	84	Natural Mixed Pines				6	77			
7	0	0	7	Northern Hardwood				7				
316	147	70	99	Red Pine	11	35	24		99			
8	8	0	0	Upland Conifers								
20	20	0	0	Upland Mixed Forest								
49	31	0	18	Water						18		
11	0	0	11	White Pine					11			
1,997	1,661	83	253	Total Forested Acres	11	35	37	20	187	41	4	
	83%	4%	13%	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	2A: Adjacent landowner denied access	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
Adjacent owner has denied access in past. He has currently recently harvested the property and managing forester stated they would not likely allow access unless it was concurrent with management of the private land.							

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 52  
Year of Entry: 2026



2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Consider stand with adjacent compartment next inventory							
3	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hemlock cutting restraints							
4	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	187	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Treatment on hold pending final guidance on natural pine.							



8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	45	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
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
1	42290 - Natural Mixed Pine	Sawtimber Well	12.1	82	81-110	N/A																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	42210 - Natural Red Pine	Sawtimber Well	7.3	81	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>
Paper Birch		10	Pole	7		Red Pine	Medium	5 - 10 feet	Sapling
White Pine		20	Log/Pole/XLog	14		White Pine	Medium	5 - 10 feet	Sapling
Red Pine		70	Log/Pole/XLog	14	81				
9	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	83.7	70	Unspecified	N/A	poor site		
<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>
Tamarack		30	Pole/Sapling	5		Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce		40	Pole/Sapling	6	70	Black Spruce	Medium	5 - 10 feet	Sapling
Red Pine		15	Log/Pole	14					
White Pine		15	Pole/Sapling	6					
10	42290 - Natural Mixed Pine	Sawtimber Well	6.6	82	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>
Red Pine		50	Log/Pole/XLog	14	82	White Pine	Medium	5 - 10 feet	Sapling
Red Maple		20	Pole	9					
White Pine		30	Log/Pole/XLog	16					
11	500 - Water	Nonstocked	16.1			No			
12	42290 - Natural Mixed Pine	Sawtimber Well	11.7	85	81-110	N/A	trees are stressed		
<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		20	Pole	8		Black Spruce	Medium	5 - 10 feet	Sapling
White Pine		15	Log/Pole/XLog	16		Alder	Medium	5 - 10 feet	Tall Shrub
Jack Pine		10	Pole	8					
Red Pine		55	Log/Pole/XLog	14	85				
13	42290 - Natural Mixed Pine	Sawtimber Well	2.3	83	81-110	N/A	stand has never been cut		
<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>
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Jack Pine		20	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Red Pine		50	Log/Pole/XLog	14	83				
14	42220 - Natural Jack Pine	Sapling Well	4.8	21	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Jack Pine		100	Sapling/Pole	4	21				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>15</b>	42260 - Natural Pine, Mixed Deciduous	Sapling Well	2.4	33	1-50	N/A																					
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<b>16</b>	42210 - Natural Red Pine	Poletimber Well	14.7	81	81-110	N/A																												
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<b>17</b>	429 - Mixed Upland Conifers	Sapling Well	7.9	28	1-50	N/A	rp was planted on ridges by inmates																																			
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<b>18</b>	42110 - Planted Red Pine	Sapling Well	32.7	10	1-50	N/A	<p>Stand was burned in spring 2013. On the list to trench and plant to red pine. Harvested in 2011, Big Pine Sale. Planted in spring 2015. 1st year regen counts showed 920 trees per acre of red pine. 3rd year showed 950. Placed in monitoring status for herbicide. Release spray occurred in summer 2018 by helicopter.</p> <p>Spraying was done by Skyline Helicopters. Weather (on site) = Partly cloudy/sunny, 50 degrees, RH 46% &amp; Wind North 1 MPH. Started spraying around 9:00 A.M.</p> <p>Sprayed Garlon 0.75 qt./acre and Rodeo 1.5 qt./acre. Penetron 9 oz/ac</p> <p>Mobilization cost of \$131.00 (\$852.00 in total for all 3 FTP's done this year.)</p> <p>Total herbicide cost = \$72.54/acre. This doesn't include any DNR labor/wages.</p> <p>T.</p>																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
19	42210 - Natural Red Pine	Sawtimber Well	44.8	101	1-50	N/A	Set up with Red Turns Green Sale. Loggers could not access job due to marsh crossings and unit was turned back in.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Pine		65	Log/Pole/XLog	16	101	Black Spruce		
White Pine		35	Log/Pole/XLog	16		White Pine		
						Jack Pine		
						Red Pine		
						Red Maple		
						Quaking Aspen		
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
20	6120 - Lowland Cedar	Poletimber Well	4.5	87	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		70	Pole/Sapling	6	87	Alder		
Red Maple		30	Pole/Sapling	5				
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
21	42290 - Natural Mixed Pine	Poletimber Well	7.1	85	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>		
Red Pine		25	Log/Pole/XLog	16		Red Pine		
Jack Pine		50	Pole	9	85	Black Spruce		
Black Spruce		25	Pole	8				
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
22	42110 - Planted Red Pine	Sapling Well	12.3	29	1-50	N/A		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Red Pine		60	Sapling/Pole	4	29			
Jack Pine		25	Sapling/Pole	4				
Quaking Aspen		15	Sapling/Pole	4				
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
23	6127 - Lowland Pine	Sawtimber Poor	8.0	88	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>		
White Pine		70	Log/Pole/XLog	16	88	Alder		
Red Maple		30	Pole	7		Red Maple		
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
24	42210 - Natural Red Pine	Sawtimber Well	47.2	71	81-110	N/A	All species were cut in 2000 except red pine and white pine. A small patch in center exists in which other species were not harvested for some reason in 2000	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		5	Log/Pole	12		Red Pine		
Jack Pine		20	Sapling/Pole	4	24	Quaking Aspen		
Quaking Aspen		5	Sapling/Pole	4		White Pine		
Red Pine		70	Log/Pole	12	71	Jack Pine		
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		
25	42210 - Natural Red Pine	Sawtimber Well	4.1	93	141-170	N/A		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Pine		100	Log/Pole/XLog	15	93	White Pine		
						<b>Density</b>		
						<b>Avg. Height</b>		
						<b>Size</b>		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
26	42210 - Natural Red Pine	Sawtimber Well	5.4	101	51-80	N/A	Set up with Red Turns Green Sale. Loggers could not access job due to marsh crossings and unit was turned back in.																																							
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27	42290 - Natural Mixed Pine	Sapling Well	50.7	24	1-50	N/A	stand was cut in winter of 1999 to 2001, South Stutts Pine																																							
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28	500 - Water	Nonstocked	5.5			No																																								
29	623 - Emergent Wetland	Nonstocked	786.5			No																																								
30	623 - Emergent Wetland	Nonstocked	1.7			No																																								
31	42350 - Upland Hemlock	Sawtimber Well	7.9	100	111-140	N/A	New stand added.																																							
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32	6113 - Lowland Maple	Poletimber Well	1.9	70	81-110	N/A																																								
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<b>35</b>	42210 - Natural Red Pine	Sawtimber Well	12.1	90	51-80	N/A	Harvested with Red Turns Green in 2017. 3 ages present																																												
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<b>39</b>	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	18.7	48	51-80	N/A																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
40	500 - Water	Nonstocked	12.7			No																																												
41	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	7.0	5	Immature	N/A	Cut in 2011, Big Pine Sale. Residual Basal area is 41 feet red pine, 12 feet white pine.  Final harvest in 2017. Burned in summer 2019. Trenched summer 2019. Planted in spring 2020. 905 trees per acre 3rd year regeneration check showed 892 trees per acre red pine. Check also called for a release. DNR staff hinged the aspen.																																											
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42	623 - Emergent Wetland	Nonstocked	1.7			No																																												
43	623 - Emergent Wetland	Nonstocked	13.5			No																																												
44	42220 - Natural Jack Pine	Poletimber Well	50.6	24	1-50	N/A	2005 regen count was 924 tpa of misc species. Holes were filled in with inmates in 2003.																																											
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45	42220 - Natural Jack Pine	Poletimber Well	22.1	61	81-110	N/A																																												
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46	6112 - Lowland Aspen	Sapling Well	60.3	22	1-50	N/A	stand converted from pine over to aspen																																											
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47	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	36.1	5	Immature	N/A	Stand was cut with the Big Pine Sale in 2011. Residual basal area is 45 ft red pine, 12 ft white pine. Stand was harvested in August of 2016. Conehead Pine. On list to be burned prior to trenching.  Burned and trenched in summer 2019. Planted in spring 2020. 11/10/2020 AP: Regeneration check in fall 2020 936 red pine 3 year regen check comments attached in file.																																				
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49	42210 - Natural Red Pine	Sawtimber Medium	35.0	93	51-80	N/A																																					
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50	42290 - Natural Mixed Pine	Sapling Well	9.9	28	1-50	N/A																																					
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51	6120 - Lowland Cedar	Poletimber Medium	8.0	97	81-110	N/A																																					
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52	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	71.4	24	1-50	N/A	patches of sap/pole trees exist that were left during previous harvest																																				
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53	6127 - Lowland Pine	Sapling Well	11.3	24	1-50	N/A																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
54	6122 - Black Spruce	Poletimber Well	5.3	55	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
White Pine		20	Log	10					
Black Spruce		80	Pole/Sapling	5	55				
55	42350 - Upland Hemlock	Sawtimber Well	4.4	97	141-170	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		Alder	Medium	5 - 10 feet	Tall Shrub
White Pine		20	XLog/Log	18		Black Spruce	Medium	5 - 10 feet	Sapling
Hemlock		70	Log/XLog	16	97	Northern White Cedar	Medium	5 - 10 feet	Sapling
56	42290 - Natural Mixed Pine	Sapling Medium	80.9	5	1-50	N/A	Harvested with Red Turns Green Sale. Specs were to leave all red pine and white pine that were not 2 sticks tall. Resulting stand is a mixture of small pole size red and white pine, some logs which were left as green trees and mixed pine regeneration with some aspen and other mixed hardwood/conifers.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
White Pine		40	Sapling	2	5				
Red Pine		30	Sapling	2	5				
Jack Pine		20	Sapling	2					
Quaking Aspen		10	Sapling	2					
57	4136 - Aspen, Mixed Conifer	Sapling Well	4.8	24	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>
Balsam Fir		10	Sapling	4		Balsam Fir	Medium	< 5 feet	Sapling
White Pine		10	Log	14					
Quaking Aspen		80	Sapling/Pole	4	24				
58	42220 - Natural Jack Pine	Poletimber Well	44.4	33	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>
White Pine		10	Log/Pole	10		Black Spruce	Medium	5 - 10 feet	Sapling
Red Pine		10	Log/Pole	10		White Pine	Medium	5 - 10 feet	Sapling
Jack Pine		60	Pole/Sapling	5	33				
Quaking Aspen		15	Pole/Sapling	5					
Black Spruce		5	Sapling/Pole	4					
59	42290 - Natural Mixed Pine	Poletimber Well	6.4	79	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>
Jack Pine		50	Pole	8	79	Balsam Fir	Low	5 - 10 feet	Sapling
Red Pine		40	Log	14		Black Spruce	Low	5 - 10 feet	Sapling
White Pine		10	Log/Pole/XLog	14					
60	623 - Emergent Wetland	Nonstocked	18.2			No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
61	500 - Water	Nonstocked	3.2		Unspecified	No																																						
62	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.4	90	111-140	N/A																																						
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67	622 - Lowland Shrub	Nonstocked	23.2			No																																						
68	500 - Water	Nonstocked	3.7			No																																						
69	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	1.5	88		N/A																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>70</b>	6122 - Black Spruce	Poletimber Well	13.2	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>	
Black Spruce		80	Pole/Sapling	6	86	Balsam Fir	
Tamarack		5	Pole/Sapling	6		Alder	
Northern White Cedar		15	Pole	7	86	Black Spruce	
						<b>Density</b>	<b>Avg. Height</b>
						Low	5 - 10 feet
						Medium	5 - 10 feet
						Low	5 - 10 feet
							<b>Size</b>
							Sapling
							Tall Shrub
							Sapling
<b>71</b>	6120 - Lowland Cedar	Poletimber Well	4.9	81	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>	
Tamarack		10	Pole	5		Balsam Fir	
Quaking Aspen		10	Pole	7			
Northern White Cedar		70	Pole	7	81		
Red Maple		10	Pole	7			
						<b>Density</b>	<b>Avg. Height</b>
						Medium	5 - 10 feet
							<b>Size</b>
							Sapling
<b>72</b>	42290 - Natural Mixed Pine	Sawtimber Medium	16.3	82	51-80	N/A	cut in summer 1998, south stutts pine. Also harvested with Red Turns Green in 2017.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		40	Log/Pole/XLog	16	82	Quaking Aspen	
White Pine		40	Log/Pole/XLog	14	82	Red Pine	
Jack Pine		20	Sapling/Pole	4	26	Black Spruce	
						White Pine	
						Jack Pine	
						<b>Density</b>	<b>Avg. Height</b>
						Low	10 - 20 feet
						Low	10 - 20 feet
						Low	5 - 10 feet
						High	10 - 20 feet
						Low	10 - 20 feet
							<b>Size</b>
							Sapling
							Sapling
							Sapling
							Sapling
							Sapling
<b>73</b>	6122 - Black Spruce	Sapling Medium	15.5	33	Unspecified	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		20	Sapling/Pole	4		Alder	
Northern White Cedar		20	Pole/Sapling	5			
Black Spruce		60	Sapling/Pole	4	33		
						<b>Density</b>	<b>Avg. Height</b>
						Medium	5 - 10 feet
							<b>Size</b>
							Tall Shrub
<b>74</b>	42290 - Natural Mixed Pine	Poletimber Well	4.3	81	81-110	N/A	Stand was set up with sale Red Turns Green. Access involved private permission and marsh crossings. Unit was turned back in.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Jack Pine		30	Pole	9		Black Spruce	
Red Pine		20	Log/Pole/XLog	16		White Pine	
Black Spruce		10	Pole	8			
White Pine		40	Pole/Log	9	81		
						<b>Density</b>	<b>Avg. Height</b>
						Medium	5 - 10 feet
						Medium	5 - 10 feet
							<b>Size</b>
							Sapling
							Sapling
<b>75</b>	42210 - Natural Red Pine	Sawtimber Medium	11.0	83	51-80	N/A	cut in winter 1999-2001, south stutts pine sale. Stand was set up with sale Red Turns Green. Access involved private permission and marsh crossings. Unit was turned back in.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		30	Log/Pole/XLog	14		Black Spruce	
Red Pine		70	Log/Pole/XLog	14	83	Red Pine	
						White Pine	
						<b>Density</b>	<b>Avg. Height</b>
						Medium	5 - 10 feet
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<b>76</b>	6120 - Lowland Cedar	Poletimber Well	13.3	81	111-140	N/A																												
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