



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41165

Entry Year 2024

Acreage: 3,779

County Schoolcraft

Management Area: Cusino Complex

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**Stand Examiner:** Steve Touvila

## **Legal Description:**

T47N R16W Sections 19, 20, and 29 - 33

## **Identified Planning Goals:**

To provide users with a variety of benefits commonly associated with publicly-owned forest lands. This compartment is located adjacent to primary winter deer range (northeast of the Petrel Deer Yard) and is considered to be part of the old Cusino Deer Yard. Long term wildlife management goals for the area include restoration of the winter deer habitat.

## **Soil and topography:**

This area features medium-to-heavy textured soils. The topography is generally flat to gently rolling, with minor changes in elevation. The hardwood corridor along the west edge of the compartment is somewhat higher than the lowlands that comprise most of the area.

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

Hancock Forestry owns 80 acres in section 32, while the state owns the rest of the land in these sections and the vast majority of the surrounding lands as well. Snowmobile Trail 8 enters the compartment from the southwest and runs to the north.

## **Unique Natural Features:**

There is a Patterned Fen Ecological Reference Area located on the east side of the compartment.

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

## **Special Management Designations or Considerations:**

This compartment lies within the old Cusino Deeryard, and a large portion of the area supports lowland cedar/mixed conifer habitat. Timber management activities will be coordinated with Wildlife Division to support their long-term goal of winter deer habitat restoration.

## **Watershed and Fisheries Considerations:**

This compartment contains Stoner Creek and headwater reaches of the Creighton River. Stoner Creek and the Creighton River are both designated Type 1 trout streams less than 50' width with predicted mean July temperatures that range from 60.3 to 63.9 °F (cold streams). 300' buffers are recommended for Stoner Creek and the Creighton River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

## **Wildlife Habitat Considerations:**

## **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 sand/gravel pit is the State-owned Melstrand (Adams Trail) Pit, which is two miles northwest and is currently leased by the Alger County Road Commission. The compartment is dominated by wetlands, which would inhibit any surface mining. Aside from the Melstrand Pit, no current mineral leasing activity exists in the area.

## **Vehicle Access:**

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46o F. Annual snowfall in this area averages approximately 150 inches. The compartment falls within the Cusino Complex Management Area which highlights the following Featured Species: American marten, moose, black bear, grey jay, northern goshawk and white-tailed deer. The Creighton River forms the eastern boundary of this compartment. The majority of the compartment is lowland coniferous

forest. General Land Office Surveyor notes show that conifer swamps circa 1850 consisted of primarily cedar, tamarack, and spruce. Other species present include balsam fir, white birch, red pine, and aspen. Upland forest were predominantly hemlock and yellow birch with sugar maple, white pine, balsam fir, red maple, beech, spruce, elm, and tamarack mixed in. While windthrow, fire, flooding, and beaver ponding were all likely contributors to the natural disturbance regime, beaver ponding is the one mentioned by the surveyors. Current forests in this compartment are quite similar in species composition to the circa 1850 conditions. Uplands contain a mix of hemlock, red maple, white pine, beech, and sugar maple. Lowlands are dominated by cedar, but also contain spruce and tamarack. Wildlife habitat objectives in this compartment include maintaining closed canopy conifer forest and promoting species and structural diversity within hardwood stands. Moose (Michigan special concern) are the only known rare species within this compartment. Other wildlife species of interest that may utilize this compartment include mink frog, wood frog, black-capped chickadee and fisher.

### **Survey Needs:**

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

The area is locally popular for trapping and hunting deer & small game. Snowmobile Trail 8 is used very heavily every season and is on the east side of the compartment.

### **Fire Protection:**

Difficulties with fire suppression may arise due to the nature of soils and slow drainage associated with them. Access across the large lowland conifer stands is highly problematic.

### **Additional Compartment Information:**

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

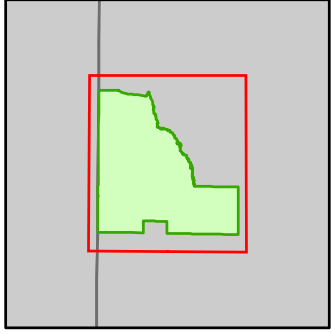
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

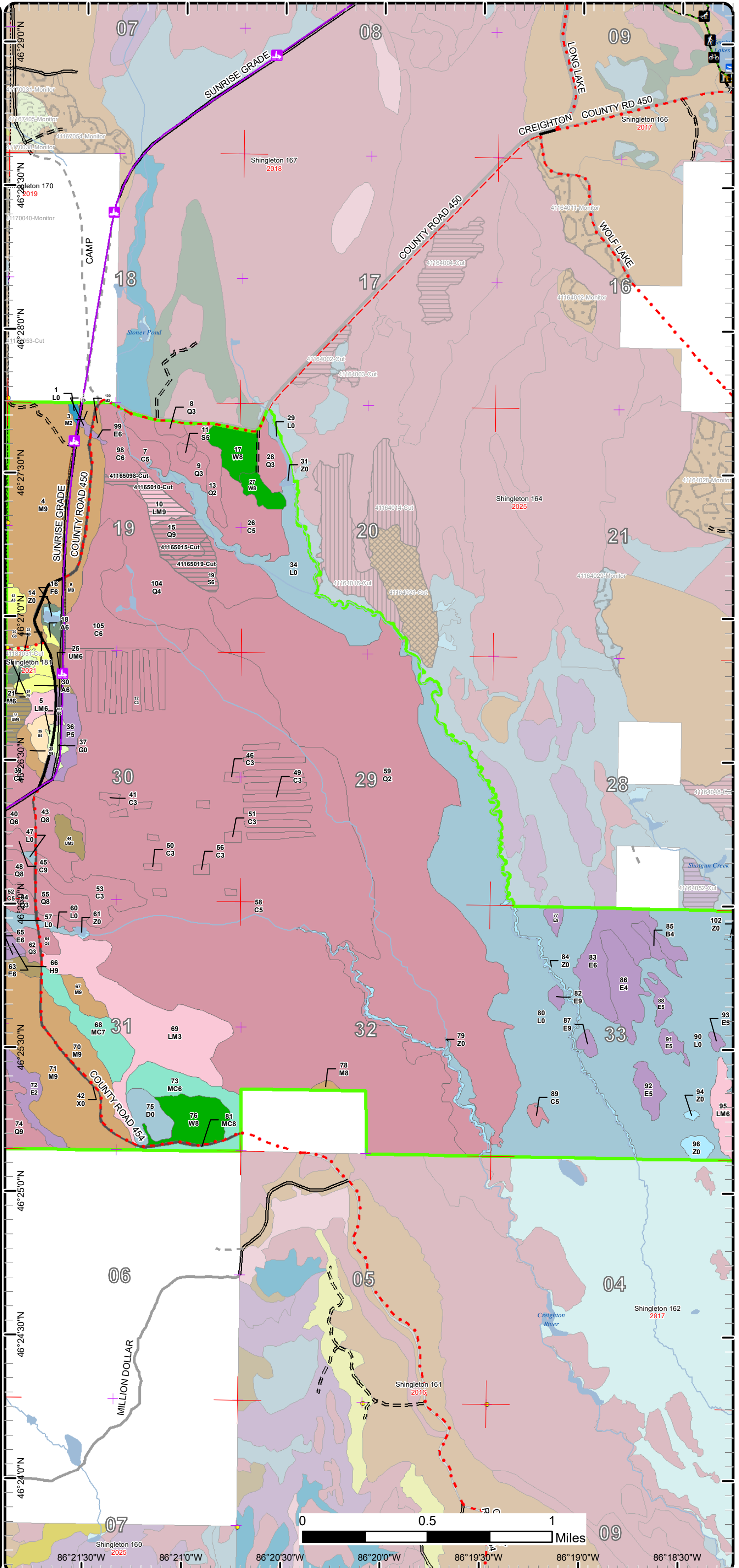
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 165  
 T47N, R16W, Sec. 19, 20, 29-33  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Casino Complex  
 YOE: 2024  
 Acres: 3779.2 GIS Calculated  
 Examiner: Steve Touvila  
 Map Revised: 8/17/2022  
 Map Phase: Web Post

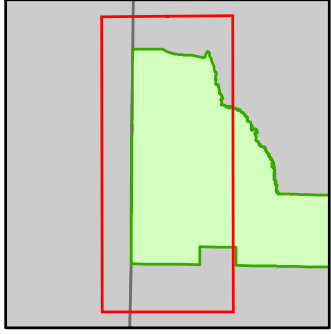


- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- .-.- County - Gravel Road
- .-.- County - Dirt Road (Seasonal)
- .-.- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
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- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

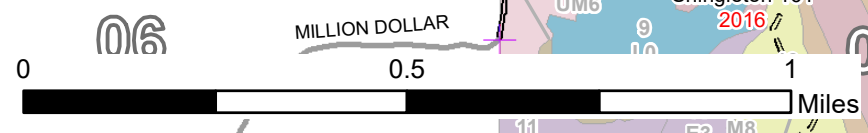
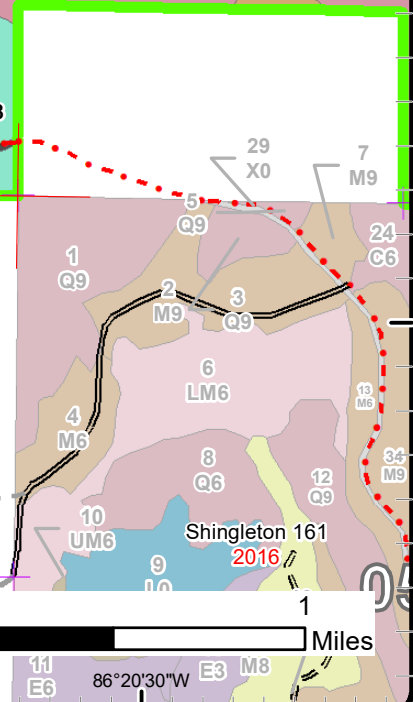
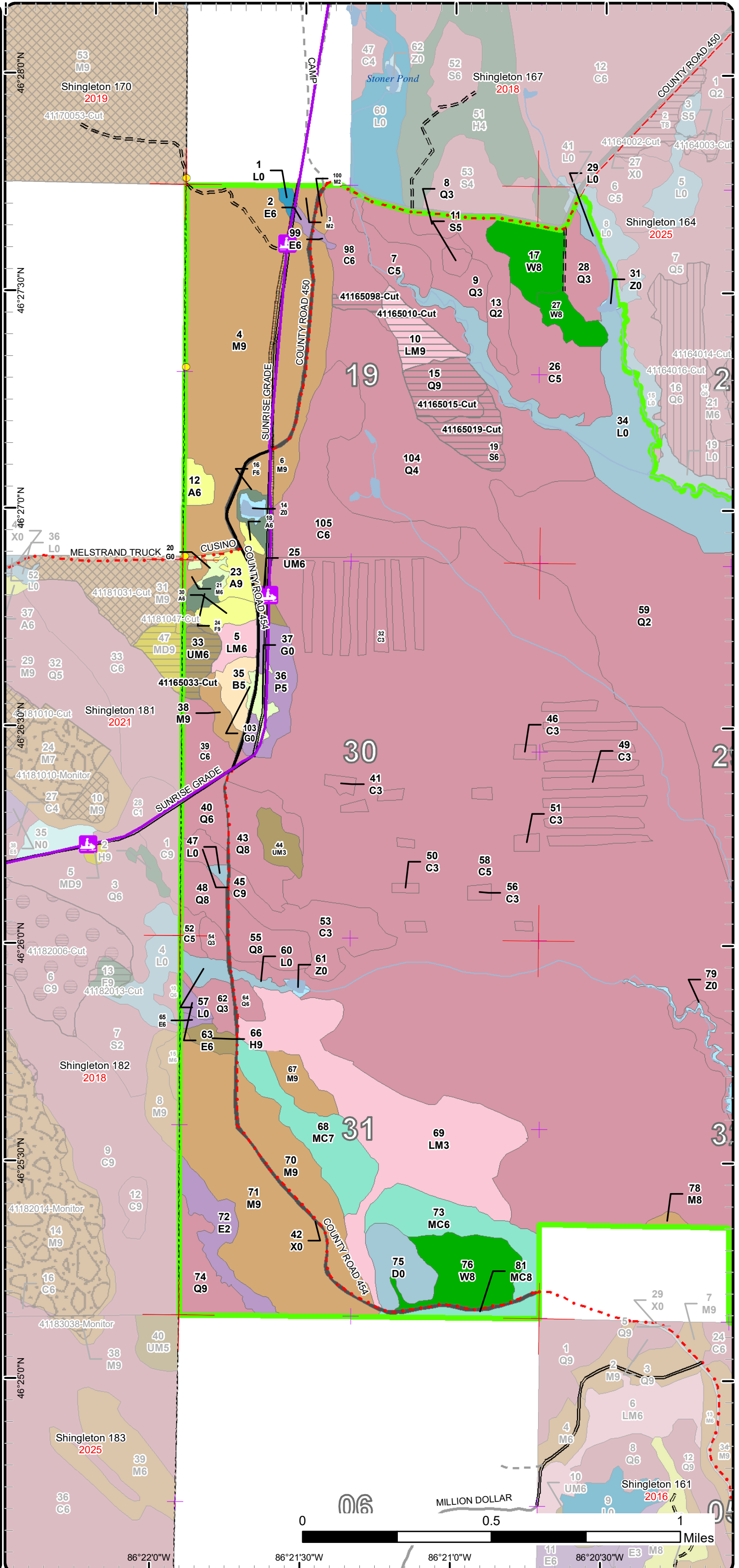


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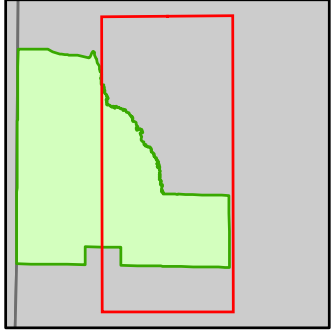
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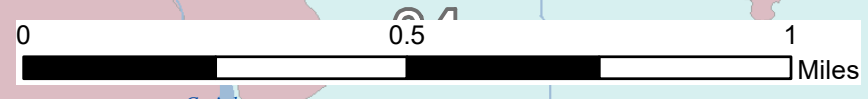
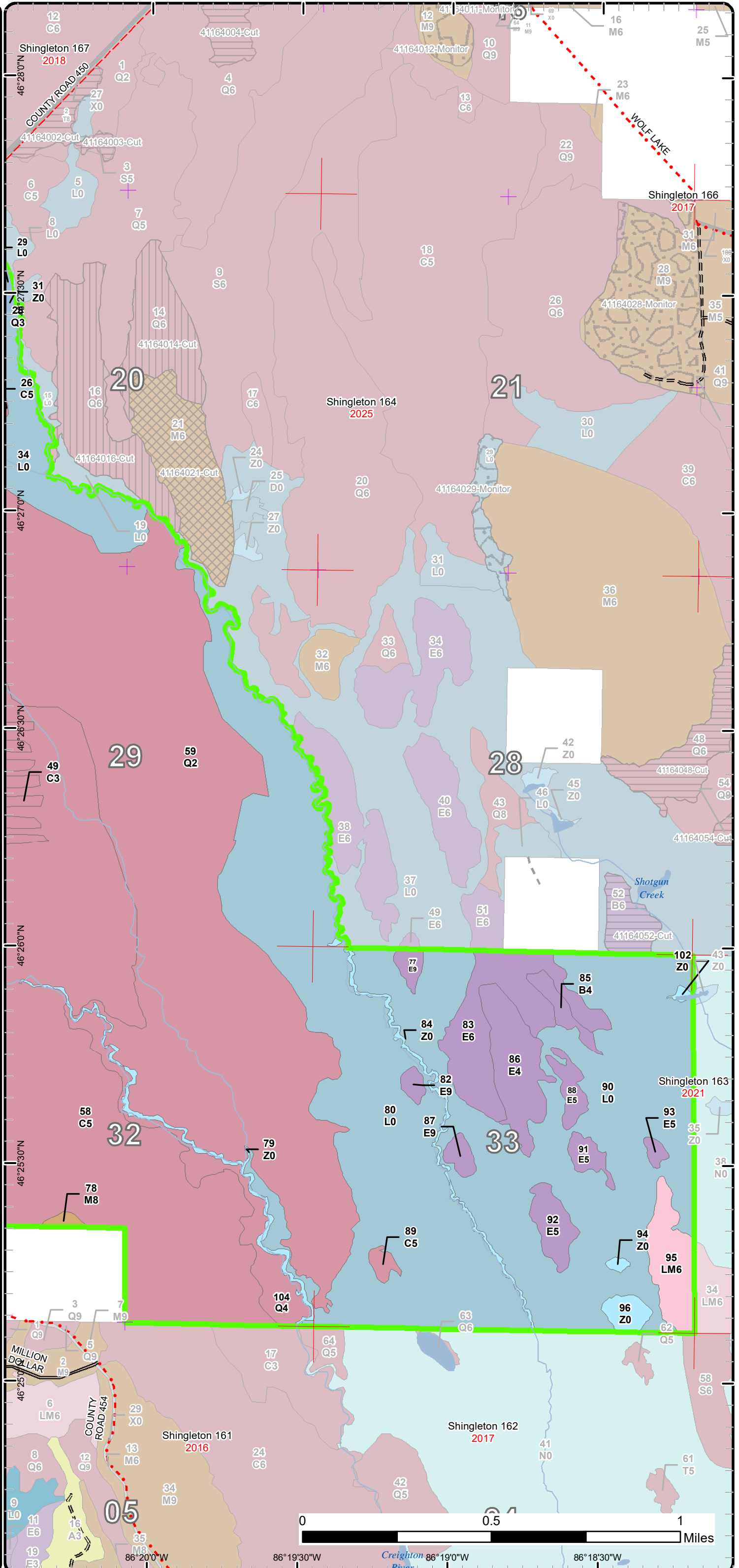
86°22'0"W      86°21'30"W      86°21'0"W      86°20'30"W

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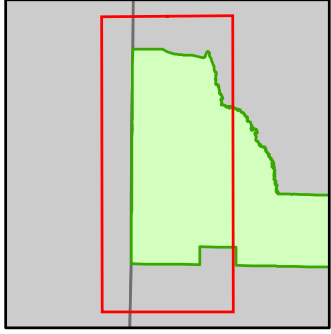
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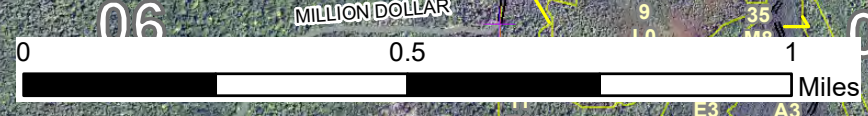
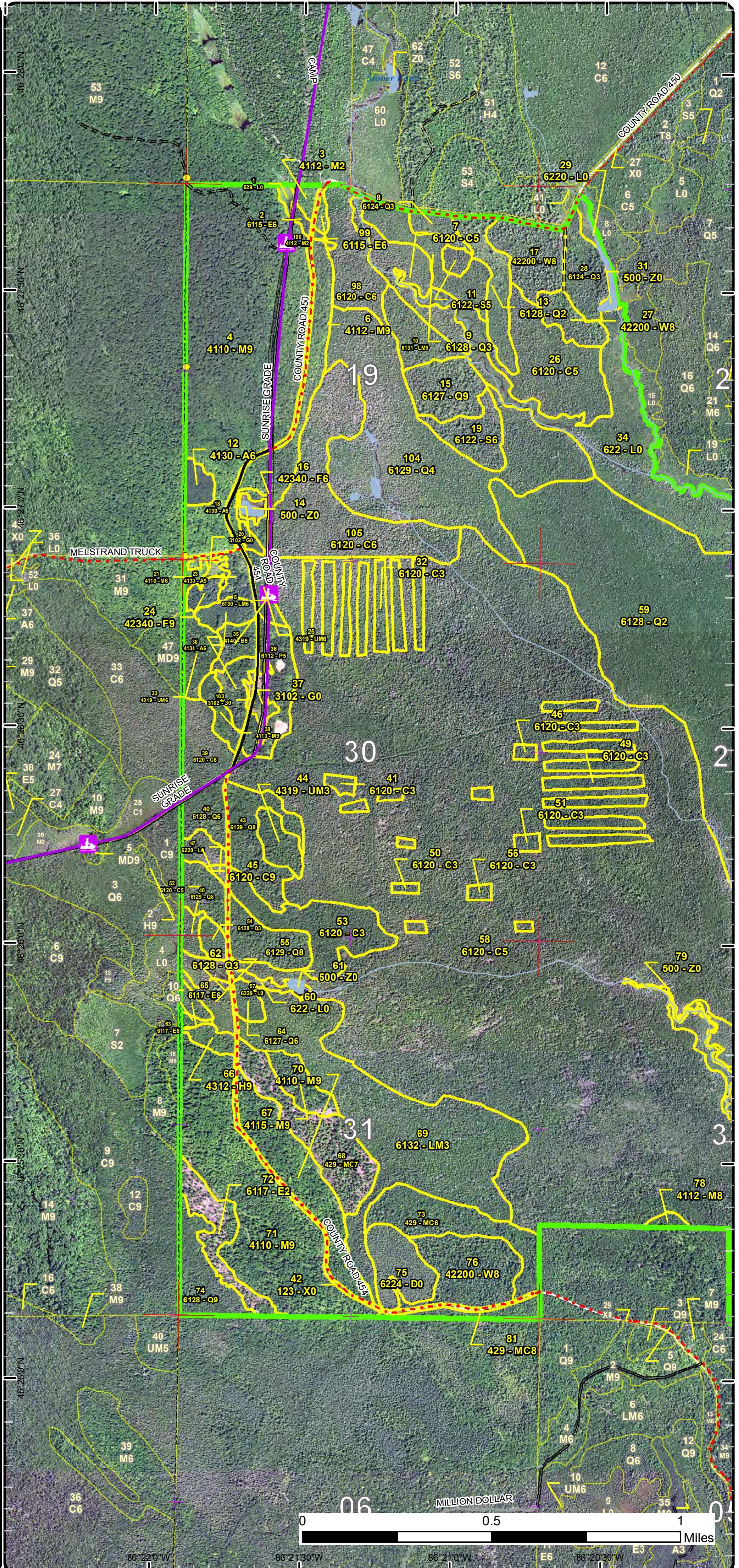
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# Stand Boundary Map

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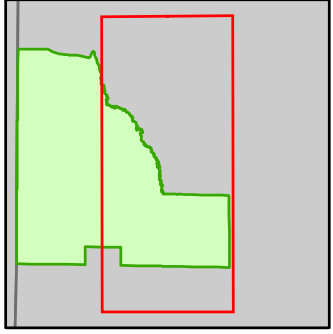


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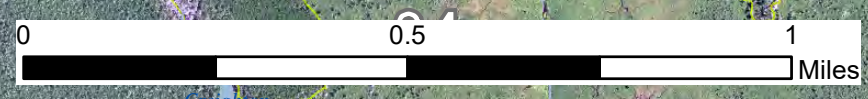
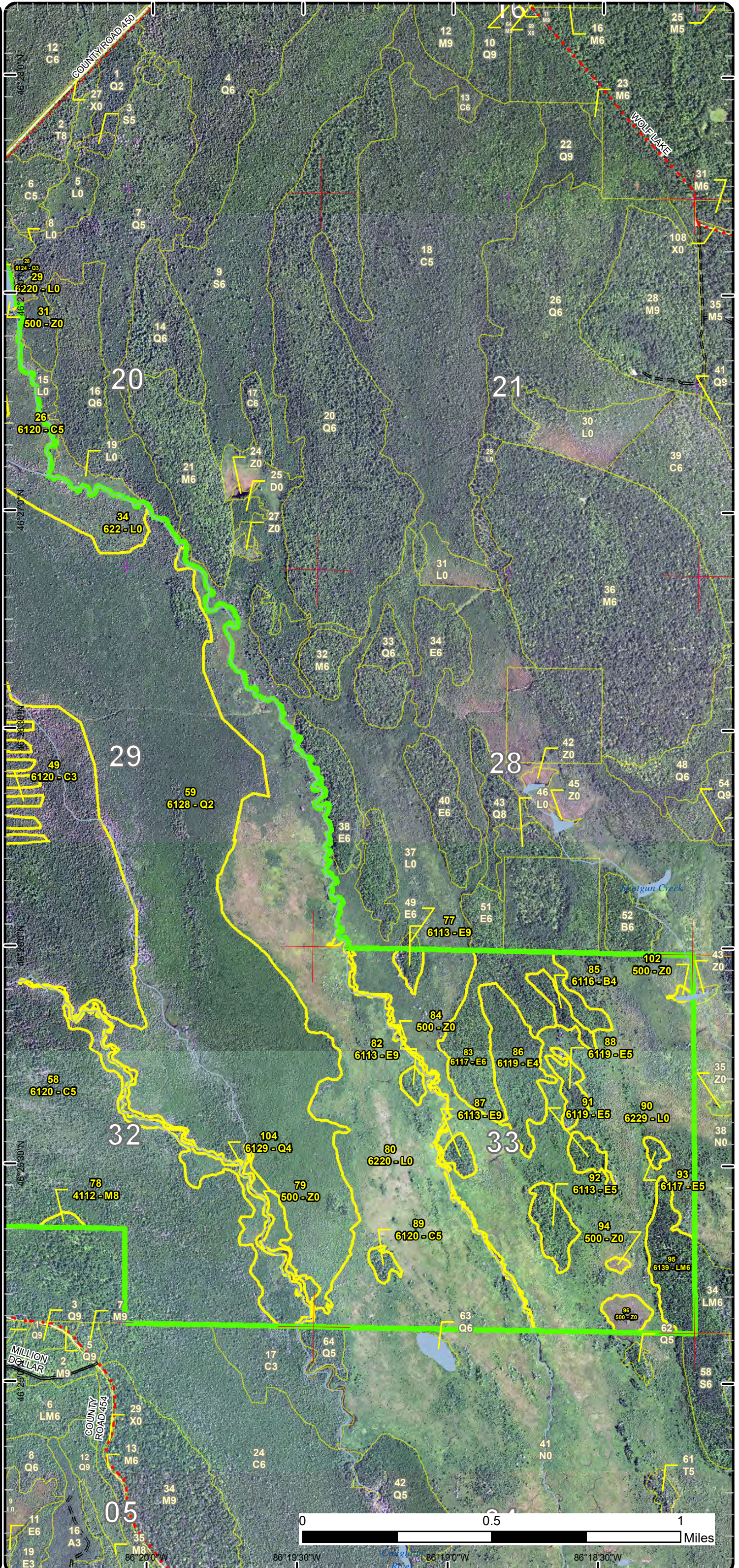


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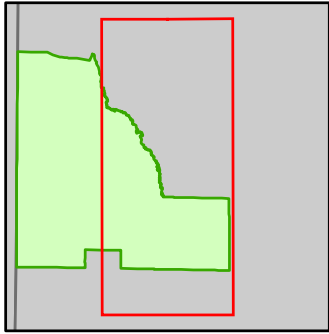
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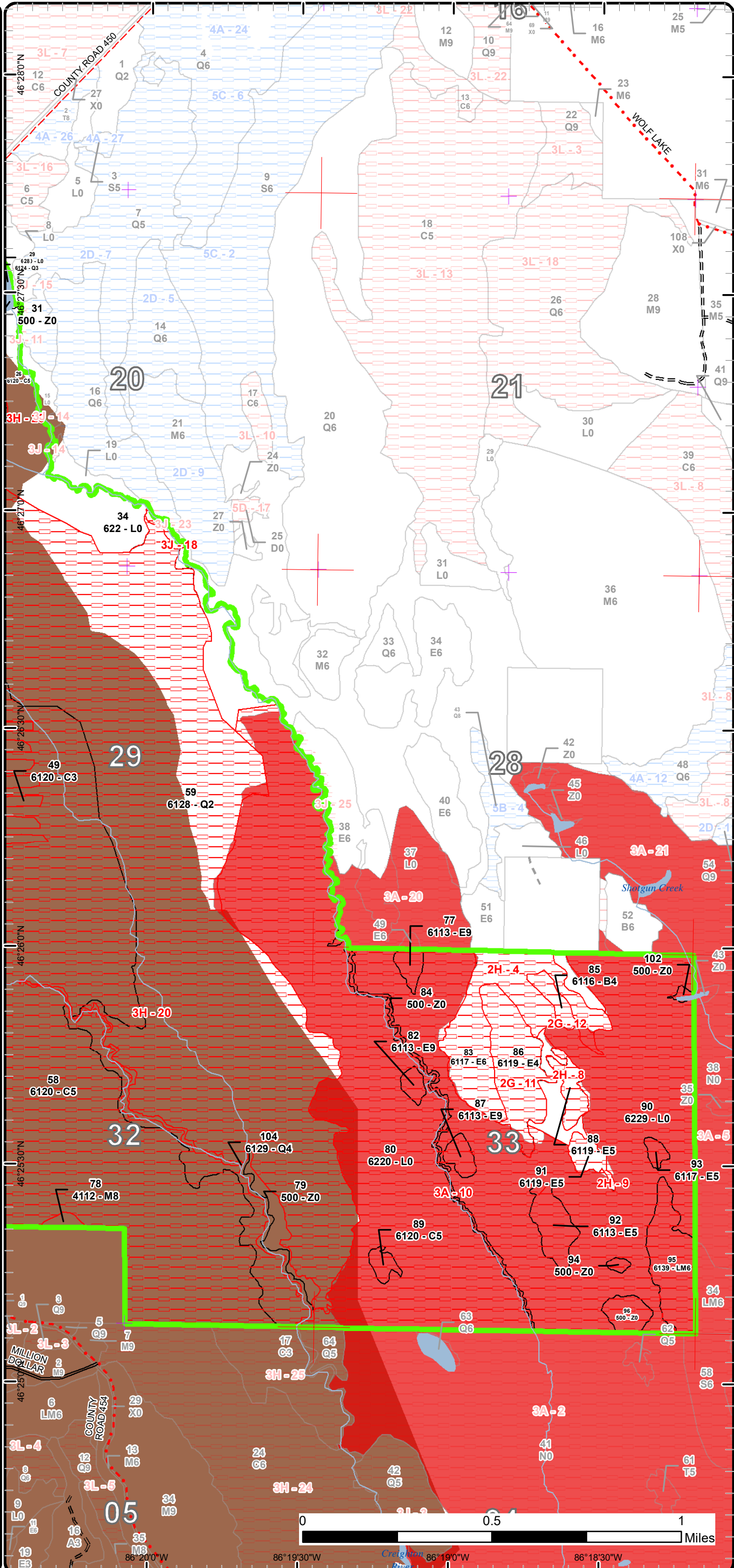


# Special Conservation Areas

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- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	13	0	0	0	0	0	6	0	0	0	0	0	0	0	0	19
Cedar	0	0	0	0	0	0	91	0	14	4	0	1145	38	38	0	0	0	0	1330
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	16	604	0	0	0	0	0	10	159	0	75	0	0	0	0	863
Lowland Deciduous	0	17	0	0	0	28	0	7	59	11	3	4	0	0	0	0	0	4	133
Lowland Mixed Forest	0	0	0	0	0	107	7	0	0	22	14	0	0	0	0	0	0	0	150
Lowland Shrub	671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	671
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	3	14	0	0	0	0	0	0	17
Northern Hardwood	0	5	0	0	0	0	0	0	0	0	12	6	152	0	0	0	0	155	329
Paper Birch	0	0	0	0	0	0	6	0	8	0	0	0	0	0	0	0	0	0	14
Treed Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	28	0	0	0	0	0	0	0	38	0	0	0	0	65
Upland Mixed Forest	0	0	8	0	0	0	10	0	6	0	0	0	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	8
Urban	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Water	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	58
<b>Total</b>	<b>746</b>	<b>22</b>	<b>8</b>	<b>29</b>	<b>604</b>	<b>167</b>	<b>118</b>	<b>0</b>	<b>53</b>	<b>91</b>	<b>50</b>	<b>1327</b>	<b>194</b>	<b>209</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>159</b>	<b>3779</b>



## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 165  
Total Compartment Acres: 3,779

Commercial Harvest - 58  
Harvests with Site Condition - 0  
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
Cedar	4	0	0	0	0	0	0	0	0	4
Lowland Conifers	18	0	0	0	0	0	0	0	0	18
Lowland Mixed Forest	14	0	0	0	0	0	0	0	0	14
Lowland Spruce/Fir	14	0	0	0	0	0	0	0	0	14
Upland Mixed Forest	9	0	0	0	0	0	0	0	0	9
<b>Total</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	58	0	0	0	0	0	0	0	0	58
Next Step	0	0	0	0	0	58	0	0	0	58
<b>Total</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</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>10</b>	<b>41165010-Cut</b>	13.5	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	95	111-140	Harvest	Clearcut with Retention	6131 - Hemlock, White Pine, Maple, Birch	Two-Aged	No
<p><u>Prescription Specs:</u> Cut all merchantable trees to 4" DBH but don't cut hemlock, white pine, and cedar. These species will be the retention. Will need to refresh the existing red line and unit line. A 100' stream buffer is included in the existing red line.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> hemlock, red maple, cedar, black spruce, white pine, balsam fir, tamarack, paper birch, yellow birch; in any combination.</p> <p><u>Other Comment:</u> Winter cut only.</p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>											
<b>15</b>	<b>41165015-Cut</b>	18.0	6127 - Lowland Pine	Sawtimber Well	120	111-140	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Two-Aged	No
<p><u>Prescription Specs:</u> Mark white pine to approximately 30 BA. More or all of the white pine could be marked in areas of denser hemlock if operations would allow access. Cut the rest of the merchantable species except don't cut hemlock or cedar. Long term retention is a combination of the residual white pine and hemlock as well as some of the existing red line exclusions.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> white pine, hemlock, black spruce, cedar, red maple, balsam fir, tamarack, paper birch, yellow birch; in any combination.</p> <p><u>Other Comment:</u> Winter cut only. Will need to refresh existing red and unit lines. The red line includes a 100' stream buffer.</p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>											
<b>19</b>	<b>41165019-Cut</b>	14.3	6122 - Black Spruce	Poletimber Well	105	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all merchantable species except don't cut cedar, hemlock, and white pine. The old red line will need refreshing. There's adequate long term retention and a 100' stream buffer using the existing red line.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Black spruce, white pine, tamarack, cedar, balsam fir, red maple, paper birch, yellow birch; in any combination.</p> <p><u>Other Comment:</u> Winter cut only.</p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
98 41165098-Cut	3.5	6120 - Lowland Cedar	Poletimber Well	125	141-170	Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all merchantable trees except for hemlock if found. This would provide a strip cut for natural cedar regeneration while providing access for treating the stands to the south. The existing red line will need refreshing.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> cedar, black spruce, tamarack, hemlock, white pine, black spruce, red maple, paper birch, yellow birch; in any combination</p> <p><u>Other Comment:</u> Winter cut only.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Approved Treatments:**

33 41165033-Cut	8.9	4319 - Mixed Upland Forest	Poletimber Well	55	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut deciduous to 2" DBH and conifer to 4" DBH. Don't cut hemlock, yellow birch, white pine, and oak(if found); these will be the retention. Acreage may vary in areas like the north and south edges depending on ground conditions.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Red maple, sugar maple, yellow birch, paper birch, black cherry, quaking aspen, balsam fir, white spruce, hemlock, cedar, white pine, black spruce, beech.</p> <p><u>Other Comment:</u> This proposed treatment is an extension of stand 47 of the adjacent compartment. With a start date of 10/1/20.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

**Total Treatment Acreage Proposed: 58.2**

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila : Examiner

Compartment: 165  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions											
		With Condition				4A	5B	5C	1C	2G	2H	3A	3H	3J	3L	5E	
19	13	0	6		Aspen				6								
1330	65	23	1242		Cedar	23						3	1,227	6	0	6	
5	0	0	5		Hemlock										5		
8	0	0	8		Herbaceous Openland				8								
0	0	0	0		Lowland Aspen/Balsam Poplar												
864	106	0	758		Lowland Conifers								713	4	40		
133	17	0	116		Lowland Deciduous					28	57	24		2	4		
149	126	0	22		Lowland Mixed Forest		0		0			22		0			
671	127	0	544		Lowland Shrub					0	0	544	0	0			
17	14	3	0		Lowland Spruce/Fir		3										
330	167	154	9		Northern Hardwood			154	9					0			
6	0	0	6		Paper Birch				0	6							
18	18	0	0		Treed Bog												
66	28	37	0		Upland Conifers		37										
25	25	0	0		Upland Mixed Forest										0		
8	4	0	4		Upland Spruce/Fir				4								
19	19	0	0		Urban				0								
30	14	0	16		Water							16					
58	0	49	9		White Pine		49						9				
3,754	744	267	2,744		Total Forested Acres	23	89	154	26	34	57	609	1,949	13	49	6	
	20%	7%	73%		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	1C: Other dept or div proc/practices	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Steve Touvila : Examiner

Compartment: 165  
Year of Entry: 2024

2	Unavailable	3L: Other wildlife concerns	3	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> For now, maintain this stand as a wildlife corridor between the upland hardwoods that were recently cut to the south and the flooded lowlands/lowland conifer regeneration to the north.</p>							
3	Unavailable	3L: Other wildlife concerns	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> This stand is on a very wet site, and should be maintained as a wildlife travel corridor between the upland hardwoods to the south and the flooded wetlands/lowland conifer regeneration to the north.</p>							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	45	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Lowland to get through and stands in the northern compartment that should be cut at the same time to access this stand. This was attempted with 41164 and the sale was still turned back.</p>							
5	Unavailable	3L: Other wildlife concerns	22	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> This stand will ultimately be managed in accordance with future deeryard restoration strategies in this area.</p>							
6	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
7	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Patterned Fen ERA</p>							

Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila : Examiner

Compartment: 165  
Year of Entry: 2024

8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Patterned Fen ERA							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Patterned Fen ERA							
10	Unavailable	3A: Conservation Values incompatible with harvest at this time	609	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Patterned Fen ERA							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Scattered paper birch, red maple and black ash on wet ground.							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Scattered paper birch and aspen on very wet ground							
13	Available	5B: Maintain for regeneration purposes	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila : Examiner

Compartment: 165  
Year of Entry: 2024

14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stoner creek buffer.							
15	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' buffer for Stoner Creek.							
17	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stoner Creek buffer. Winter deer range.							
19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stoner Creek buffer.							

Report 4 – Site Conditions

Shingleton Mgt. Unit  
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20	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	1,924	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Obligate deer yard on purchased lands. Even with past harvests comments from last entry indicate WLD wants to keep cedar/conifer stands for deer yard management.</p>							
21	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
22	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
23	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
24	Available	5B: Maintain for regeneration purposes	31	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
25	Unavailable	3L: Other wildlife concerns	19	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Wildlife corridor.</p>							

Report 4 – Site Conditions

Shingleton Mgt. Unit  
Steve Touvila : Examiner

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Year of Entry: 2024

26	Unavailable	3L: Other wildlife concerns	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wildlife corridor.							
27	Available	4A: No Markets Available for these Forest Products	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Available	4A: No Markets Available for these Forest Products	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	155	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2' wide Tributary that flows to Stoner Creek, a cold water stream.							
31	Unavailable	1C: Other dept or div proc/practices	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Shingleton Mgt. Unit  
Steve Touvila : Examiner

Compartment: 165  
Year of Entry: 2024

32	Unavailable	1C: Other dept or div proc/practices	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	1C: Other dept or div proc/practices	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	1C: Other dept or div proc/practices	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	Unavailable	1C: Other dept or div proc/practices	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Unavailable	1C: Other dept or div proc/practices	4	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.

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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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
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1	629 - Mixed non-forested wetland	Nonstocked	1.5		Unspecified	No	Seasonally flooded area featuring a variety of lowland plant associations and flood-killed timber around a drainage.
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2	6115 - Lowland Ash	Poletimber Well	1.6	76	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	9	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Black Ash	84	Pole/Sapling	6	76	Black Ash	High	Variable	Sapling
Yellow Birch	2	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	5		Yellow Birch	Low	>20 feet	Sapling

3	4112 - Maple, Beech, Cherry Association	Sapling Medium	2.8	6	Immature	N/A	ccc Hardwoods unit 1. 41-037-14-01
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Sapling	1	
Red Maple	40	Sapling	1	6
Yellow Birch	1	Log/Pole	13	
Balsam Fir	10	Sapling	1	
Black Cherry	29	Sapling	1	
White Spruce	5	Sapling	1	

4	4110 - Sugar Maple Association	Sawtimber Well	154.7	110	111-140	N/A	ccc Hardwoods units 2-5,7. 41037-14-01 units were completed in 2016 and 2018.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	1	Log	14		Balsam Fir	Trace	Variable	Pole
Red Maple	4	Log/Pole/XLog	13		Beech	Trace	< 5 feet	Sapling
Balsam Fir	1	Pole	6		Red Maple	Low	Variable	Pole
Sugar Maple	94	Log/Pole/XLog	13	110	Sugar Maple	Medium	Variable	Sapling

5	6130 - Fir, Aspen, Maple	Poletimber Well	6.7	52	51-80	N/A	Slow growing stand, unlike those just to the north.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	1	XLog	18		Balsam Fir	Medium	Variable	Sapling
Black Ash	20	Pole/Sapling	5		Hemlock	Trace	< 5 feet	Sapling
Red Maple	20	Pole	8		Black Ash	Medium	>20 feet	Sapling
Yellow Birch	1	Pole	9		Yellow Birch	Trace	>20 feet	Sapling
Paper Birch	3	Pole	6					
Balsam Fir	40	Pole/Sapling	5	52				
White Spruce	10	Pole/Log	9					
Hemlock	1	Log	13					
Northern White Cedar	4	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.6	110	81-110	N/A	CCC Hardwoods unit 6. 41-037-14-01																																																																		
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7	6120 - Lowland Cedar	Poletimber Medium	20.1	105	51-80	N/A	Cedar and a few spruce over a well-stocked understory that includes mixed conifers and ash. Stoner Creek flows through this stand.																																																																		
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8	6124 - Lowland Spruce-Fir	Sapling Well	4.3	35	1-50	N/A	Thick mixed regeneration.																																																																		
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9	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	19.7	35	1-50	N/A																																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**10** 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Well 13.5 95 111-140 N/A Red maple, hemlock, and black spruce dominated stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Log/XLog	16		Balsam Fir	High	Variable	Sapling
Hemlock	34	Log/XLog	14		Hemlock	Medium	Variable	Sapling
Black Spruce	12	Pole	8		Red Maple	Medium	>20 feet	Sapling
Northern White Cedar	5	Log/Pole	11					
Balsam Fir	2	Pole	8					
Red Maple	44	Pole/Log	9	95				

**11** 6122 - Black Spruce Poletimber Medium 3.0 93 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log/Pole	14		Deciduous Shrubs	Medium	Variable	Tall Shrub
Tamarack	5	Pole/Log	8		Northern White Cedar	Medium	10 - 20 feet	Sapling
Northern White Cedar	15	Pole	9		Black Spruce	Medium	Variable	Sapling
Black Spruce	78	Pole	8	93	Balsam Fir	Medium	Variable	Sapling

**12** 4130 - Aspen Poletimber Well 5.2 25 51-80 N/A Fast growing aspen stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	98	Pole	6	25	Sugar Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	1	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Black Cherry	1	Sapling	3					

**13** 6128 - Lowland Coniferous, Mixed Sapling Medium 16.3 23 Immature N/A  
Deciduous

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	25	Sapling	2		Northern White Cedar	Low	< 5 feet	Sapling
Balsam Fir	15	Sapling	2		Balsam Fir	Low	< 5 feet	Sapling
Tamarack	25	Sapling	2					
White Pine	1	Log/Pole	12					
Black Spruce	29	Sapling	2	23				
Red Maple	5	Sapling	1					

**14** 500 - Water Nonstocked 2.3 Unspecified No

**15** 6127 - Lowland Pine Sawtimber Well 18.0 120 111-140 N/A White pine, hemlock, and black spruce make up the majority of the stand. There's a good stocking of hemlock saplings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	16	Pole	8		Red Maple	Medium	Variable	Sapling
White Pine	58	Log/XLog	16	120	Black Spruce	Low	Variable	Sapling
Hemlock	22	Log	14		Balsam Fir	Medium	Variable	Sapling
Red Maple	4	Pole	7		Hemlock	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
16	42340 - Upland Spruce/Fir	Poletimber Well	3.9	45	51-80	N/A	Mix of upland spruce-fir, hardwoods and small semi-open areas surrounding a pond.																																																						
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17	42200 - Natural White Pine	Sawtimber Medium	19.7	125	51-80	N/A	The basal area is mostly from the large scattered white pine. The combined saplings is thick advanced regeneration that will be recruiting into pole size.																																																						
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20	3102 - Grass	Nonstocked	2.9		Unspecified	Managed Opening	A few scattered old apple trees in this opening.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**23** 4130 - Aspen Sawtimber Well 5.7 82 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	82	Log/Pole	13	82	Pin Cherry	Low	Variable	Sapling
Balsam Poplar	3	Log/Pole	10		Sugar Maple	Low	Variable	Sapling
White Spruce	5	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Balsam Fir	6	Pole	8					
Paper Birch	4	Pole	7					

**24** 42340 - Upland Spruce/Fir Sawtimber Well 3.8 54 111-140 N/A Fast growing site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	1	Pole	6		Balsam Fir	Medium	Variable	Sapling
Paper Birch	3	Pole	8		Sugar Maple	Low	Variable	Sapling
Quaking Aspen	15	Log/Pole	13					
Balsam Fir	34	Pole/Log	8					
White Spruce	43	Log/Pole	10	54				
Black Cherry	2	Pole	8					
White Pine	2	Log/Pole	16					

**25** 4319 - Mixed Upland Forest Poletimber Well 6.0 70 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Pole	8	70	Balsam Fir	High	>20 feet	Sapling
Paper Birch	1	Pole	7					
Balsam Fir	29	Pole/Sapling	6					
White Spruce	25	Pole/Sapling	6					

**26** 6120 - Lowland Cedar Poletimber Medium 38.2 116 51-80 N/A Slow-growing cedar stand with a variety of other lowland timber species mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	23	Pole	7		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	3	Log/Pole/XLog	14		Northern White Cedar	Medium	Variable	Sapling
Tamarack	18	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Northern White Cedar	53	Pole/Log	9	116	Black Spruce	Medium	10 - 20 feet	Sapling
Red Maple	3	Pole	7		White Pine	Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>27</b>	42200 - Natural White Pine	Sawtimber Medium	9.4	125	51-80	N/A	The BA is at this level because of the large diameter scattered white pine. The combined regeneration is dense and just beginning to recruit into pole size.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	14		Red Maple	Low	>20 feet	Sapling
Paper Birch	2	Pole	5		Paper Birch	High	>20 feet	Sapling
Red Maple	2	Pole	7		Balsam Fir	High	>20 feet	Sapling
Northern White Cedar	3	Log/Pole	10		Hemlock	Low	Variable	Sapling
White Pine	76	XLog/Log	18	125	Black Spruce	Low	Variable	Sapling
Balsam Fir	2	Pole	5					
Black Spruce	10	Pole	8					

<b>28</b>	6124 - Lowland Spruce-Fir	Sapling Well	15.0	36	1-50	N/A	Thick regeneration in the upland area.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	2		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	45	Sapling/Pole	4	36				
Black Spruce	10	Sapling	3					
Tamarack	2	Sapling	3					
Paper Birch	8	Sapling	3					
Black Cherry	3	Sapling	3					
White Pine	12	Sapling/Pole	4					

<b>29</b>	6220 - Alder/willow	Nonstocked	3.5		Unspecified	No	
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<b>30</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	6.1	24	51-80	N/A	Fast growing aspen stand. Small group of mature red pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	1	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Red Pine	2	Log	14		Black Ash	Low	>20 feet	Sapling
Balsam Fir	22	Pole/Sapling	5					
Quaking Aspen	70	Pole/Sapling	5	24				
White Spruce	5	Pole	9					

<b>31</b>	500 - Water	Nonstocked	1.0		Unspecified	No	
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<b>32</b>	6120 - Lowland Cedar	Sapling Well	28.9	57	1-50	N/A	Strip cuts from 1965. The cedar regeneration is thick with varying sapling diameters and heights.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Sapling/Pole	4		Tamarack	Low	Variable	Sapling
Red Maple	3	Pole	6		Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Sapling/Pole	4		Tag Alder	Low	Variable	Tall Shrub
Northern White Cedar	67	Sapling	3	57	Northern White Cedar	Medium	Variable	Sapling
Tamarack	5	Sapling/Pole	4		Black Spruce	Medium	Variable	Sapling
Paper Birch	5	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 4319 - Mixed Upland Forest Poletimber Well 10.4 55 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	14		Beech	Low	Variable	Sapling
Paper Birch	4	Pole	6		Hemlock	Low	< 5 feet	Sapling
Black Spruce	1	Pole	6		White Spruce	Low	Variable	Sapling
Red Maple	40	Pole/Sap/Log	6	55	Yellow Birch	Low	>20 feet	Sapling
White Pine	3	Log/XLog	16		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	1	Log/XLog	16		Paper Birch	Medium	>20 feet	Sapling
Black Ash	3	Sapling/Pole	4		Balsam Fir	High	Variable	Sapling
White Spruce	10	Pole	8					
Balsam Fir	18	Pole/Sapling	5					
Yellow Birch	5	Pole	6					
Northern White Cedar	10	Log/Pole	11					

**34** 622 - Lowland Shrub Nonstocked 74.2 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace		Pole
Tag Alder	High		Tall Shrub
Northern White Cedar	Low	Unspecified	Pole
Tamarack	Trace		Pole
Paper Birch	Low	Unspecified	Pole

**35** 4140 - Other Upland Deciduous Poletimber Medium 7.6 78 51-80 N/A Paper birch is healthy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Log	12		Black Cherry	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sapling	6		Northern White Cedar	Trace	>20 feet	Sapling
White Pine	1	XLog/Log	18		Sugar Maple	Low	Variable	Sapling
Red Maple	10	Pole	8		Red Maple	Medium	Variable	Sapling
White Spruce	10	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Black Cherry	7	Pole	8		White Spruce	Low	Variable	Sapling
Paper Birch	62	Pole	8	78				

**36** 6112 - Lowland Aspen Poletimber Medium 17.6 70 51-80 N/A Semi open areas throughout this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	13	Pole	8		Balsam Fir	Low	Variable	Sapling
Black Cherry	20	Pole/Log	9		Red Maple	Medium	Variable	Sapling
Quaking Aspen	40	Pole/Log	9	70				
Red Maple	20	Pole/Sap/Log	8					
Balsam Fir	7	Pole/Sapling	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>37</b>	3102 - Grass	Nonstocked	4.2		Unspecified	Managed Opening	Grassy opening with scattered submerchantable trees and a pocket of merchantable timber as well. The snowmobile trail crosses through this stand.
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<b>38</b>	4113 - R.Maple, Conifer	Sawtimber Well	6.0	105	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Red Maple	Medium	Variable	Sapling
Black Spruce	5	Log/Pole	10		Balsam Fir	High	Variable	Sapling
Northern White Cedar	2	Pole/Log	9					
Black Cherry	3	Pole/Log	9					
Hemlock	3	Log	14					
Black Ash	10	Pole	8					
Paper Birch	7	Log/Pole	11					
Red Maple	60	Log/Pole	11	105				

<b>39</b>	6120 - Lowland Cedar	Poletimber Well	15.8	120	171-200	N/A	Cedar and black spruce is slowly defoliating throughout the entire stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	2	Pole/Sapling	6		Northern White Cedar	Medium	Variable	Sapling
Black Spruce	10	Pole	8		Black Ash	Low	5 - 10 feet	Sapling
Northern White Cedar	80	Pole	8	120	Balsam Fir	Low	Variable	Sapling
Tamarack	5	Log/Pole	10		Tag Alder	Low	Variable	Tall Shrub
Paper Birch	3	Pole	6					

<b>40</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.1	105	51-80	N/A	Mature cedar with red maple, paper birch, and balsam fir recruiting into the canopy.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling/Pole	4		Northern White Cedar	Low	Variable	Sapling
Paper Birch	20	Sapling/Pole	4		Balsam Fir	Medium	>20 feet	Sapling
Black Spruce	8	Pole	8		Paper Birch	Medium	>20 feet	Sapling
Northern White Cedar	25	Pole/Log	9	105	Red Maple	Medium	>20 feet	Sapling
White Pine	5	Pole/Log/XLog	9					
Red Maple	20	Sapling/Pole	4					
Hemlock	2	Log	12					

<b>41</b>	6120 - Lowland Cedar	Sapling Well	4.4	70	1-50	N/A	Block cuts harvested in 1951; visited August 2011 for a regeneration check. The stocking is very dense.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	6	Sapling/Pole	4	70	Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Sapling/Pole	4	70	Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	70	Sapling	4	70	Black Spruce	Medium	Variable	Sapling
Tamarack	10	Pole/Sapling	6	70				
Paper Birch	2	Sapling	4	70				
Red Maple	2	Sapling	4	70				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**42** 123 - Other High Intensity Urban Nonstocked 18.7 Unspecified No

**43** 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 22.1 125 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	12	XLog/Log	18		Balsam Fir	Medium	>20 feet	Sapling
Paper Birch	3	Pole	6		Paper Birch	Medium	>20 feet	Sapling
White Spruce	2	Log	12		Black Spruce	Medium	>20 feet	Sapling
Balsam Fir	4	Pole	6		Hemlock	Trace	Variable	Sapling
Black Spruce	35	Pole/Sapling	6	52	Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	2	Log/Pole	12		Red Maple	Medium	>20 feet	Sapling
Red Maple	5	Pole	6					
White Pine	37	XLog/Log	18	125				

**44** 4319 - Mixed Upland Forest Sapling Well 8.4 17 1-50 N/A

Cut in 2005; white pine seedlings planted in 2006. Some scattered pole size red maple and log size white pine remain.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Sapling/Pole	4		White Pine	Low	< 5 feet	Sapling
Balsam Fir	40	Sapling	3		Beech	Low	5 - 10 feet	Sapling
Paper Birch	3	Sapling/Pole	4		Balsam Fir	Medium	< 5 feet	Sapling
White Pine	4	Sapling	3					
Red Maple	50	Sapling	2	17				

**45** 6120 - Lowland Cedar Sawtimber Well 5.2 101 111-140 N/A

Advanced 5-10' cedar regeneration in openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	68	Log/Pole	10	101	Northern White Cedar	Medium	Variable	Sapling
White Pine	7	Log/XLog	16		Red Maple	Low	Variable	Sapling
Red Maple	7	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Pole	9		Black Spruce	Low	Variable	Sapling
Paper Birch	3	Pole/Log	9					
Hemlock	5	Log	14					

**46** 6120 - Lowland Cedar Sapling Well 2.5 70 1-50 N/A

Block cuts harvested in 1951; visited August 2011 for a regeneration check. Approximately 2" average DBH saplings over another layer of saplings less than 3' tall. Overall the stocking is extremely dense.

**47** 6220 - Alder/willow Nonstocked 1.1 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace		Pole
Northern White Cedar	Trace		Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>48</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	9.8	90	51-80	N/A	There's scattered white pine blow down throughout the stand since the last entry.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Paper Birch					2	Log/Pole	10		Hemlock				Trace	Variable	Sapling
Balsam Fir					5	Sapling/Pole	4		Red Maple				High	>20 feet	Sapling
Northern White Cedar					25	Pole/Log	8		Balsam Fir				Medium	Variable	Sapling
White Pine				90	28	Log/Pole/XLog	16		Paper Birch				Low	>20 feet	Sapling
Hemlock					18	Log/Pole/XLog	16		Black Spruce				Low	Variable	Sapling
Red Maple					2	Log	12		Northern White Cedar				Low	Variable	Sapling
Black Spruce					18	Pole/Log	9								
Yellow Birch					2	Log	14								

<b>49</b>	6120 - Lowland Cedar	Sapling Well	33.2	57	Unspecified	N/A	Strip cuts harvested in 1965; visited August 2011 for a regeneration check. Dense stocking.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Paper Birch					2	Sapling	4		Black Spruce				Medium	Variable	Sapling
Red Maple					2	Sapling	4		Balsam Fir				Medium	Variable	Sapling
Balsam Fir					6	Sapling/Pole	4		Northern White Cedar				Medium	Variable	Sapling
Northern White Cedar				57	70	Sapling	4								
Tamarack					10	Pole/Sapling	6								
Black Spruce					10	Sapling/Pole	4								

<b>50</b>	6120 - Lowland Cedar	Sapling Well	2.8	70	1-50	N/A	Block cuts harvested in 1951; visited August 2011 for a regeneration check. Approximately 2" average DBH saplings over another layer of saplings less than 3' tall. Overall the stocking is extremely dense.
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<b>51</b>	6120 - Lowland Cedar	Sapling Well	1.9	70	1-50	N/A	Block cut harvested in 1951; visited August 2011 for a regeneration check. Approximately 2" average DBH saplings over another layer of saplings less than 3' tall. Overall the stocking is extremely dense.
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<b>52</b>	6120 - Lowland Cedar	Poletimber Medium	4.1	80	51-80	N/A	Advanced cedar regeneration in the openings.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Black Ash					3	Pole/Sapling	6		Black Spruce				Medium	10 - 20 feet	Sapling
Paper Birch					3	Pole	7		Black Ash				High	10 - 20 feet	Sapling
Black Spruce					5	Pole/Log	9		Northern White Cedar				High	10 - 20 feet	Sapling
Northern White Cedar				80	80	Pole	8		Tag Alder				High	Variable	Tall Shrub
Red Maple					4	Pole	7		Balsam Fir				Medium	Variable	Sapling
White Pine					5	Log	14		Paper Birch				Low	10 - 20 feet	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**53** 6120 - Lowland Cedar Sapling Well 28.7 56 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	3		Balsam Fir	Medium	Variable	Sapling
White Pine	2	Log/XLog	16		Northern White Cedar	Medium	Variable	Sapling
Black Spruce	3	Pole	8					
Tamarack	3	Pole	8					
Northern White Cedar	60	Sapling	3	56				
Red Maple	27	Sapling/Pole	3					

**54** 6128 - Lowland Coniferous, Mixed Deciduous Sapling Well 3.9 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Sapling	1		Tag Alder	High	5 - 10 feet	Tall Shrub
Black Ash	5	Sapling	3					
Red Maple	20	Sapling	3	36				
Paper Birch	15	Sapling	3					
Balsam Fir	20	Sapling	2					
Black Spruce	5	Sapling	3					
White Pine	15	Sapling/Pole	4					

**55** 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 15.8 125 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	6		Hemlock	Medium	Variable	Sapling
Balsam Fir	2	Pole/Sapling	5		Balsam Fir	Medium	>20 feet	Sapling
White Pine	30	Log/XLog/Pole	16		Black Spruce	Medium	>20 feet	Sapling
Black Spruce	20	Pole/Sapling	6	47	Red Maple	Medium	>20 feet	Sapling
Red Maple	6	Log/Pole	10		White Pine	Low	Variable	Sapling
Hemlock	40	Log	16	125				

**56** 6120 - Lowland Cedar Sapling Well 2.3 70 1-50 N/A

Block cuts harvested in 1951; visited August 2011 for a regeneration check. Approximately 2-4" average DBH saplings over another layer of saplings less than 3' tall. Overall the stocking is extremely dense.

**57** 6229 - Mixed lowland shrub Nonstocked 5.1 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High		Tall Shrub
Willow spp.	Medium		Tall Shrub
Willow spp.	Medium		Tall Shrub
Willow spp.	Medium		Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>58</b>	6120 - Lowland Cedar	Poletimber Medium	1,053.1	101	81-110	N/A	Cedar stand with black spruce and tamarack. Many small openings throughout the stand in which there are numerous cedar saplings regenerating.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		13	Pole/Log	9		Tag Alder		Medium	Variable	Tall Shrub
Paper Birch		2	Pole	7		Northern White Cedar		High	Variable	Sapling
Northern White Cedar		60	Pole/Log	8	101	Balsam Fir		High	Variable	Sapling
Black Spruce		25	Pole/Log	9						

<b>59</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	550.4	35	1-50	N/A	Low quality wet stand with widely scattered mature cedar and black spruce. Black ash appears to die around the 5-6" DBH.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Sapling/Pole	3		Paper Birch		Low	Variable	Sapling
Northern White Cedar		26	Sapling/Pole	3		Balsam Fir		Medium	< 5 feet	Sapling
Black Ash		37	Sapling/Pole	3	35	Black Spruce		Low	< 5 feet	Sapling
Balsam Fir		25	Sapling/Pole	4		Northern White Cedar		Medium	< 5 feet	Sapling
Black Spruce		10	Sapling/Pole	3		Black Ash		Medium	< 5 feet	Sapling
						Tag Alder		Medium	5 - 10 feet	Tall Shrub

<b>60</b>	622 - Lowland Shrub	Nonstocked	2.3		Unspecified	No	
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<b>61</b>	500 - Water	Nonstocked	1.1		Unspecified	No	
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<b>62</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	6.9	35	1-50	N/A	At this time there is a continuous regeneration of cedar occurring in this stand with 3" DBH being the largest saplings. There are a few residual white pine in the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		1	Sapling/Pole	4		Balsam Fir		Medium	Variable	Sapling
Northern White Cedar		38	Sapling	2	35	Northern White Cedar		Medium	Variable	Sapling
Black Ash		26	Sapling	3	35	Tag Alder		High	Variable	Tall Shrub
Paper Birch		1	Sapling	3						
Balsam Fir		15	Sapling	2						
Red Maple		7	Sapling	3						
Black Spruce		12	Sapling	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**63** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 3.0 70 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	5		Black Spruce	Low	< 5 feet	Sapling
Yellow Birch	1	Pole	5		Hemlock	Medium	Variable	Sapling
Balsam Fir	5	Pole	6		Balsam Fir	Medium	Variable	Sapling
Hemlock	20	Log	14					
White Pine	5	Log/XLog	16					
Black Spruce	10	Pole	9					
Red Maple	57	Pole	7	70				

**64** 6127 - Lowland Pine Poletimber Well 4.2 36 1-50 N/A White pine is entering pole class.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	4		Tag Alder	Low	Variable	Tall Shrub
Balsam Fir	10	Sapling	4		Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Pole/Sapling	5					
White Pine	55	Pole/Sapling	5	36				
Paper Birch	15	Sapling	4					

**65** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 1.3 70 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Red Maple	Low	Variable	Sapling
Paper Birch	5	Pole	7		Black Ash	Medium	>20 feet	Sapling
Balsam Fir	15	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	5	Pole	7		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	5	Pole	7					
Hemlock	5	Log/Pole	10					
Black Ash	55	Pole/Sapling	5	70				

**66** 4312 - Hemlock, Mixed Deciduous Sawtimber Well 4.7 135 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole/Log	8		Yellow Birch	Low	>20 feet	Sapling
Black Spruce	3	Pole/Log	9		Balsam Fir	Medium	>20 feet	Sapling
Hemlock	48	Log/XLog	16	135	Beech	Low	Variable	Sapling
White Pine	1	Log/XLog/Pole	16		Red Maple	Medium	>20 feet	Sapling
Red Maple	40	Pole/Log	8		Hemlock	Medium	Variable	Sapling
Beech	1	Pole	8		White Pine	Trace	Variable	Sapling
Balsam Fir	5	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**67** 4115 - Y.Birch, Hemlock NH Sawtimber Well 9.9 93 81-110 N/A TS: 41-015-13-01 unit 411/10/15- TCR

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	20	Log	15		Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	4	Pole/Log	12		Balsam Fir	Medium	Variable	Sapling
Red Maple	60	Log/Pole	11	93	White Spruce	Trace	5 - 10 feet	Sapling
White Spruce	4	Pole/Log	9		White Pine	Trace	5 - 10 feet	Sapling
Sugar Maple	12	Log/Pole	11		Hemlock	Low	Variable	Sapling
					Red Maple	Medium	5 - 10 feet	Sapling

**68** 429 - Mixed Upland Conifers Sawtimber Poor 30.5 120 51-80 N/A TS: 41-015-13-01 unit 3TCR: 11/10/15

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	55	XLog/Log	18	120	Hemlock	Medium	Variable	Sapling
Hemlock	45	Log	14		Balsam Fir	Medium	Variable	Sapling
					Beech	Low	Variable	Sapling
					Paper Birch	Trace	5 - 10 feet	Sapling
					White Pine	Trace	Variable	Sapling
					Red Maple	Medium	5 - 10 feet	Sapling

**69** 6132 - Mixed Lowland Forest with Cedar Sapling Well 106.6 42 1-50 N/A Low quality wet stand with some scattered mature trees. In the very long term this looks to be a stand that is regenerating to cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	1	Sapling	4		Hemlock	Trace	Variable	Sapling
Balsam Fir	11	Sapling/Pole	4		Balsam Fir	Medium	Variable	Sapling
Black Spruce	2	Sapling	2		Northern White Cedar	Medium	Variable	Sapling
Black Ash	40	Sapling/Pole	3	42	Tag Alder	Medium	Variable	Tall Shrub
Northern White Cedar	25	Sapling	3					
Northern White Cedar	5	Log	10					
Hemlock	1	Sapling	2					
Red Maple	15	Log/Pole	10	95				

**70** 4110 - Sugar Maple Association Sawtimber Well 33.7 110 81-110 N/A TS: 41-015-13-01 TCR: 10/11/15

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	95	Log/Pole	14	110	Sugar Maple	Full	10 - 20 feet	Sapling
Hemlock	1	Log/Pole	14		White Pine	Trace	Variable	Sapling
Red Maple	4	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
					Red Maple	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**71** 4110 - Sugar Maple Association Sawtimber Well 89.7 110 81-110 N/A TS: 41-015-13-01TCR: 11/10/15Regeneration looks good.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	2	Log/Pole	14		Sugar Maple	Full	10 - 20 feet	Sapling
Sugar Maple	95	Log/Pole	14	110	Red Maple	Low	10 - 20 feet	Sapling
Yellow Birch	1	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	2	Log/Pole	12		White Pine	Trace	10 - 20 feet	Sapling
					Beech	Low	Variable	Sapling

**72** 6117 - Lowland Deciduous, Mixed Sapling Medium 17.1 6 Immature N/A TS: 41-015-13-01 Coniferous TCR: 11/10/15

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Sapling	1	
Hemlock	15	Sapling	1	
Beech	10	Sapling	1	
Yellow Birch	2	Sapling	1	
Black Cherry	3	Sapling	1	
Sugar Maple	10	Sapling	1	
Hemlock	5	Log	14	
Red Maple	35	Sapling	1	6

**73** 429 - Mixed Upland Conifers Poletimber Well 28.1 47 51-80 N/A Widely scattered large white pine. Stand is dominated by a younger pole to sapling class.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log/Pole	11		Beech	Trace	5 - 10 feet	Sapling
Yellow Birch	2	Pole/Sapling	5		Balsam Fir	High	>20 feet	Sapling
Paper Birch	13	Sapling/Pole	4		Paper Birch	Medium	>20 feet	Sapling
Balsam Fir	30	Pole/Sapling	5		Hemlock	Medium	Variable	Sapling
White Pine	40	Pole/Log/XLog	8	47	Red Maple	High	>20 feet	Sapling
Red Maple	10	Pole	7					

**74** 6128 - Lowland Coniferous, Mixed Sawtimber Well 18.8 120 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	8	Log/XLog	16		Black Spruce	Low	Variable	Sapling
Black Spruce	12	Pole/Log	9		Hemlock	Medium	Variable	Sapling
Hemlock	11	Log	14		Northern White Cedar	Low	< 5 feet	Sapling
Yellow Birch	2	XLog	18		Black Ash	Medium	>20 feet	Sapling
Paper Birch	8	Pole/Log	9		Red Maple	Medium	>20 feet	Sapling
Balsam Fir	2	Pole	7		Beech	Low	Variable	Pole
Red Maple	22	Pole/Log	9		Tag Alder	Low	Variable	Tall Shrub
Black Ash	3	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	32	Log	12	120				



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<b>79</b>	500 - Water	Nonstocked	9.8		Unspecified	No	Creighton River up to the high water mark																																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**80**      6220 - Alder/willow      Nonstocked      304.1           Unspecified      No

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Trace		Pole
Tag Alder	High		Tall Shrub
Northern White Cedar	Trace		Pole
Black Spruce	Trace		Pole
Paper Birch	Trace		Pole

**81**      429 - Mixed Upland Conifers      Sawtimber Medium      7.0      120      51-80      N/A

This stand has red maple, balsam fir, and paper birch recruiting into the canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	10	
Northern White Cedar	5	Log	14	
White Pine	30	XLog/Log	18	120
Hemlock	20	Log/Pole	11	
Balsam Fir	21	Pole/Sapling	5	47
Paper Birch	4	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling
Hemlock	Medium	Variable	Sapling
Paper Birch	Medium	>20 feet	Sapling
Red Maple	Medium	>20 feet	Sapling
Balsam Fir	Medium	>20 feet	Sapling

**82**      6113 - Lowland Maple      Sawtimber Well      2.8      105      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Log	9	
Balsam Fir	5	Pole	6	
Paper Birch	10	Pole/Log	9	
Red Maple	75	Log/Pole	10	105

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

**83**      6117 - Lowland Deciduous, Mixed Coniferous      Poletimber Well      45.2      82      81-110      N/A

timber sale 41-028-10-01. Sale unit not cut, sale given back.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Black Spruce	10	Pole/Log	9	
Red Maple	38	Pole	8	82
Paper Birch	35	Pole	9	
Quaking Aspen	1	Log/Pole	12	
White Pine	6	Log/Pole	14	

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

**84**      500 - Water      Nonstocked      7.6           Unspecified      No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
<b>85</b>	6116 - Lowland Birch	Poletimber Poor	6.2	50	1-50	N/A																																																	
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<b>88</b>	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	6.9	80	51-80	N/A																																																	
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<b>89</b>	6120 - Lowland Cedar	Poletimber Medium	3.1	106	Unspecified	N/A	Cedar stand surrounded by lowland brush/marsh complex. Data shown here is from the last inventory.																																																
<b>90</b>	6229 - Mixed lowland shrub	Nonstocked	279.3		Unspecified	No																																																	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**91** 6119 - Mixed Lowland Deciduous Forest Poletimber Medium 5.3 80 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	6		Red Maple	Low	Variable	Sapling
Red Maple	50	Pole	8	80	Balsam Fir	Low	Variable	Sapling
Paper Birch	35	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	8					

**92** 6113 - Lowland Maple Poletimber Medium 10.9 92 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	9		Red Maple	High	>20 feet	Sapling
Balsam Fir	2	Pole	8		Beech	Low	5 - 10 feet	Sapling
Red Maple	83	Pole/Log	8	92	Balsam Fir	Low	Variable	Sapling
Black Spruce	10	Pole/Log	9					

**93** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 2.1 80 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	25	Pole	7		Beech	Low	5 - 10 feet	Sapling
Black Spruce	10	Pole	8		Red Maple	Medium	>20 feet	Sapling
Balsam Fir	15	Pole	5		Paper Birch	Low	>20 feet	Sapling
Quaking Aspen	5	Log/Pole	8		Balsam Fir	High	>20 feet	Sapling
Red Maple	45	Pole/Log	8	80				

**94** 500 - Water Nonstocked 1.1 Unspecified No

**95** 6139 - Mixed Lowland Forest Poletimber Well 22.2 83 111-140 N/A Healthy stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Blue Spruce	44	Pole	8	83	Black Spruce	Low	Variable	Sapling
Paper Birch	40	Pole	8		Red Maple	Low	Variable	Sapling
Balsam Fir	2	Pole	7		Balsam Fir	Low	Variable	Sapling
White Pine	4	Log/XLog	16					
Red Maple	10	Pole	7					

**96** 500 - Water Nonstocked 6.2 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
<b>98</b>	6120 - Lowland Cedar	Poletimber Well	22.0	125	141-170	N/A	Dense cedar stand with a stream running through the center. Most of the black ash is on the north end. There's more small sapling mixed regeneration, including cedar, in the southern portion of the stand where the canopy is slightly more open.																																																					
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<b>99</b>	6115 - Lowland Ash	Poletimber Well	0.8	76	51-80	N/A																																																						
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<b>100</b>	4112 - Maple, Beech, Cherry Association	Sapling Medium	1.7	6	Immature	N/A	ccc Hardwoods unit 1. 41-037-14-01																																																					
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<b>102</b>	500 - Water	Nonstocked	1.0		Unspecified	No																																																						
<b>103</b>	3102 - Grass	Nonstocked	1.0		Unspecified	Managed Opening	Grassy opening with scattered submerchantable trees and a pocket of merchantable timber as well. The snowmobile trail crosses through this stand.																																																					
<b>104</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	148.5	108	1-50	N/A	Wet, poorly stocked stand with younger regeneration filling in.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
105	6120 - Lowland Cedar	Poletimber Well	63.7	101	141-170	N/A	Dense cedar stand without much regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole/Log	9		Tag Alder	Low	Variable	Tall Shrub
Northern White Cedar	78	Pole/Log	8	101	Balsam Fir	Low	Variable	Sapling
Tamarack	10	Pole/Log	9		Northern White Cedar	Low	Variable	Sapling
Paper Birch	2	Pole	7					