



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41074

Entry Year 2024

Acreage: 1,637

County Schoolcraft

Management Area: Hiawatha Moraine

Stand Examiner: Tori Irving

Legal Description:

T42N, R15W, Sections 4, 5, 9, & 16

Identified Planning Goals:

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

Soil and topography:

The upland portion of the compartment which is mainly west of the centerline of sections 4 and 9 is composed of well drained sandy soils and this portion lies within the Hiawatha Moraine Land Type Association (LTA). The eastern portion of the compartment which is lower in elevation except some ridges near the Manistique River is composed of poorly drained sands to muck or peat type soils, this portion of the compartment lies within the Mintfarm LTA. Soil types include: Rubicon Sand, Stutts Kalkaska Complex, Kalkaska Loamy Sand, AuGres Deford Complex, Proper Sand, Paquin Sand, and Carbondale, Lupton, and Tawas Soils.

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

State ownership within the compartment boundary is contiguous with the exception of one interior private parcel. The northern part of the compartment is mostly surrounded by state land. The southern portion of the compartment is mostly surrounded by private parcels. Most of these private parcels are seasonal with the majority of use occurring during hunting season.

Unique Natural Features:

The area is currently under review by the Michigan Natural Features Inventory.

Archeological, Historical, and Cultural Features:

The Manistique River has been known to be used extensively by Native Americans prior to European settlement. In addition, the High Rollways is a historic pine logging area.

Special Management Designations or Considerations:

Portions of Section 9 are listed as Deer Wintering Area.

Watershed and Fisheries Considerations:

This compartment contains the Mainstem Manistique River. The Mainstem Manistique River is a non-designated river greater than 50' width with a predicted mean July temperature of 69.3 °F (cool stream). This compartment includes several locations where occurrences of Wood Turtle (State Special Concern) have been documented. Forestry activities that occur from April 1 through October 31st (active period) should accommodate a 300' buffer along the Mainstem Manistique River to protect Wood Turtle during nesting, post-nesting, and pre-hibernation periods. For forestry activities that occur outside of the active period, 100' plus 5' per 1% increase in slope; buffers are recommended for the Mainstem Manistique River to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

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 120 inches. The compartment falls within the Hiawatha Moraine Management Area which highlights the following Featured Species: American woodcock, ruffed grouse, sharp-tailed grouse and white-tailed deer. The Manistique River lies to the south of this compartment. The majority of this compartment is upland; however, the eastern portion contains a drainage that runs into the River. General Land Office (GLO) Surveyor notes show the circa 1850 lowlands were dominated by a mixture of cedar, hemlock, spruce and birch. Elm, ash, and oak were found along the Manistique River. Uplands contained a mixture of sugar maple, hemlock, white pine, red pine, birch, beech and balsam fir. Windthrow, fire, flooding, and beaver ponding all likely played major roles in the natural disturbance regime. Current forests conditions are substantially different from circa 1850 conditions. Uplands now contain red pine plantations, grassy

openings, jack pine plantations, aspen, and northern hardwood stands. The hardwoods contain a less diverse species mixture than historic conditions indicate. With some notable exceptions, lowlands are likely similar in species composition to 1850 conditions. However, structure is undoubtedly altered. Stands along the Manistique River will be managed to include old growth characteristics and a portion of this compartment also serves as a deer wintering complex. There is a wide diversity of wildlife habitat objectives in this compartment. They include maintaining the grassy openings, maintaining closed canopy conifer stands, and promoting old growth characteristics along the Manistique River. Bald eagles (State and Federally threatened) fish along the course of the Manistique River. There is at least one rare plant species found along the river course. Other wildlife species of interest that utilize this compartment include spring peepers, leopard frogs, upland sandpiper and black bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel, peat and muck and coarse-textured glacial till. There is insufficient data in part and up to 50 feet of glacial drift thickness. The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. The Manitoulin could be used for stone. The nearest gravel pit is located 2.5 miles to the south, but there may be some potential on the uplands. There is no commercial oil and gas production in the UP.

Vehicle Access:

The High Rollways Road serves as the main access route to the compartment. The interior compartment is accessed via a series of dirt forest roads. Access to the southern end of the compartment is more difficult due to private gates blocking vehicle access where the roads cross private land.

Survey Needs:

No survey needs this entry.

Recreational Facilities and Opportunities:

Snowmobile Trail 2 runs through the compartment. Other recreational opportunities are plentiful which include, but are not limited to, ORV use, hunting, fishing, bird watching, and berry picking. There is also a fair amount of horse back riding that occurs on the forest roads.

Fire Protection:

This area was historically prone to many large fires and this compartment is still managed with fire today. The grass openings on the north end are burned approximately every 10 years with other grass openings in the surrounding compartments to knock back encroaching vegetation and improve the grasses that are present.

Additional Compartment Information:

The following reports from the Inventory are attached:

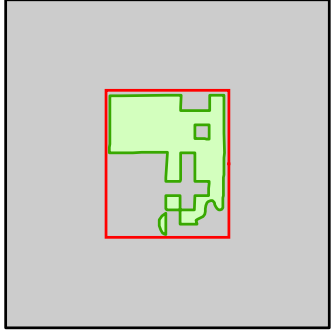
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

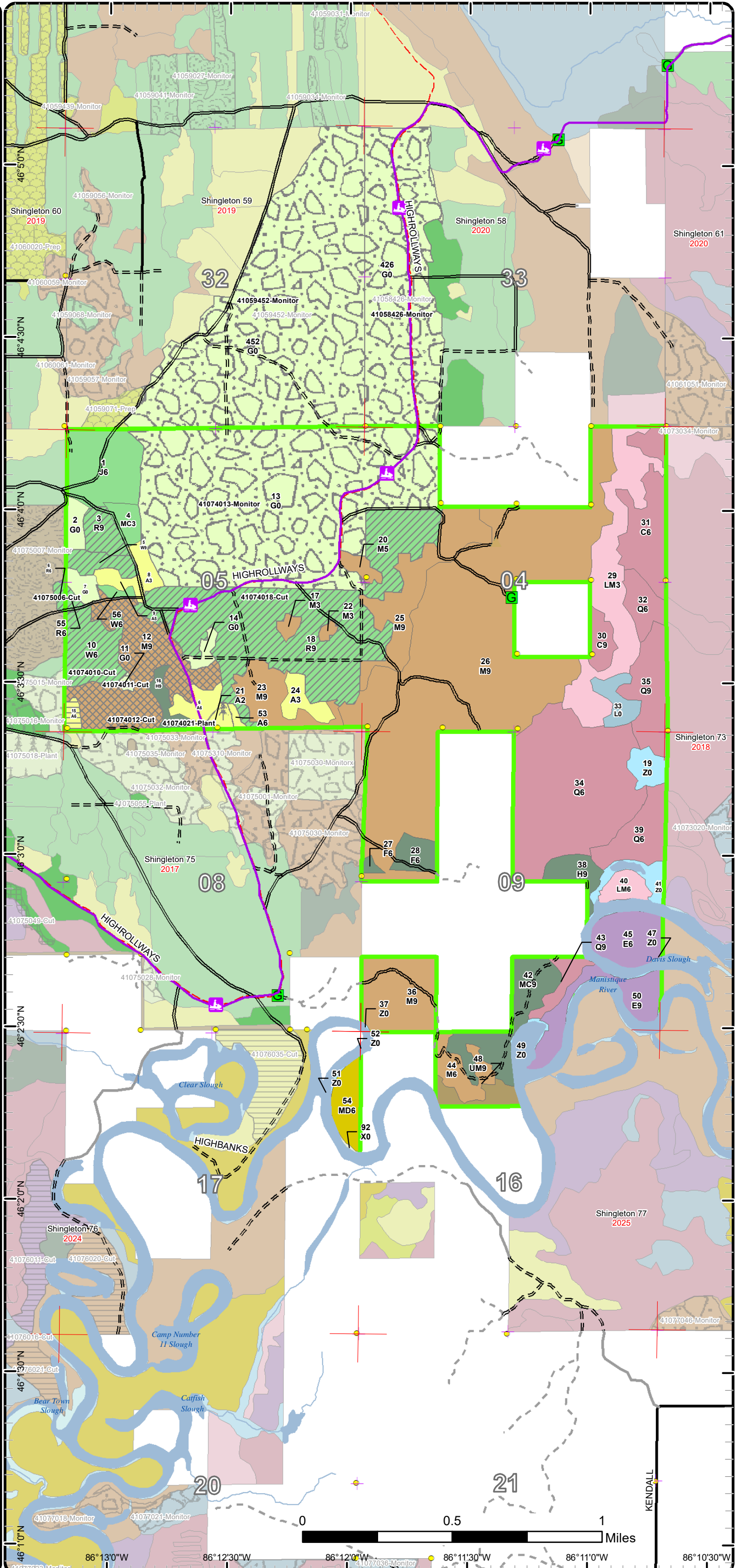
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 74
 T42N, R15W, Sec. 4, 5, 9, 16, 17
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Hiawatha Moraine
 YOE: 2024
 Acres: 1636.8 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 8/23/2022
 Map Phase: Web Post



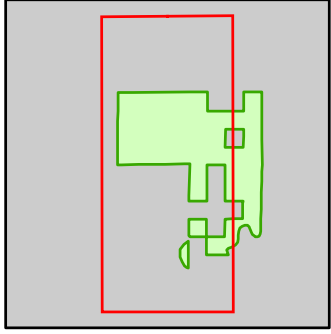
- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- - - Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- ⚡ Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Ⓜ Gate
- Culvert
- Compartment Boundary
- ⊗ Selection (Group, Single Tree)
- ⊗ Planting (tree species)
- Clearcut (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- Ⓜ Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated



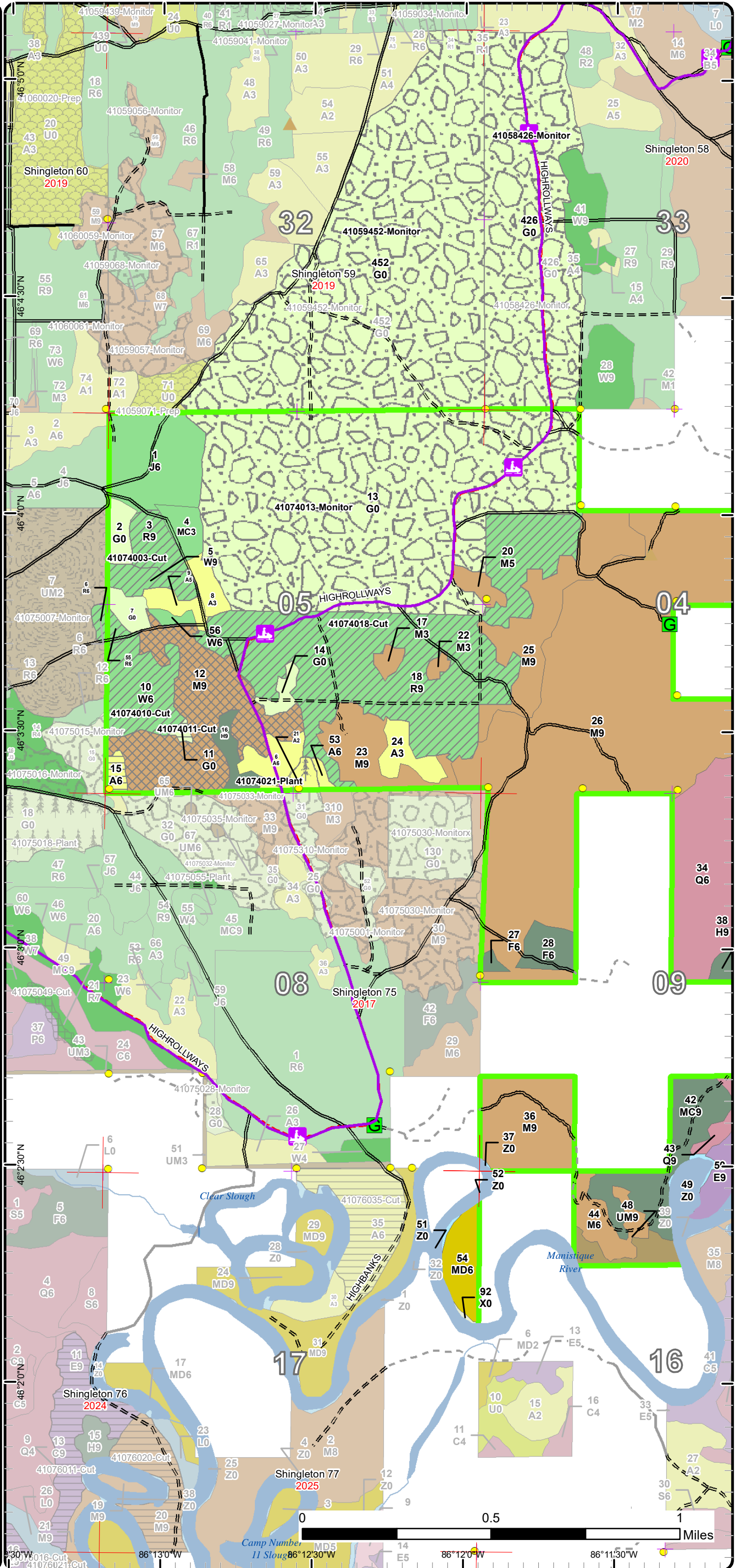
86°13'0"W 86°12'30"W 86°12'0"W 86°11'30"W 86°11'0"W 86°10'30"W

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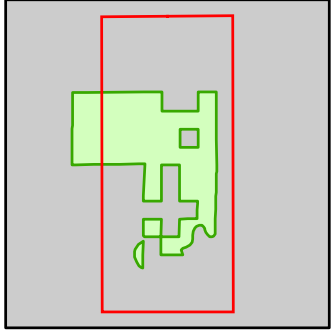


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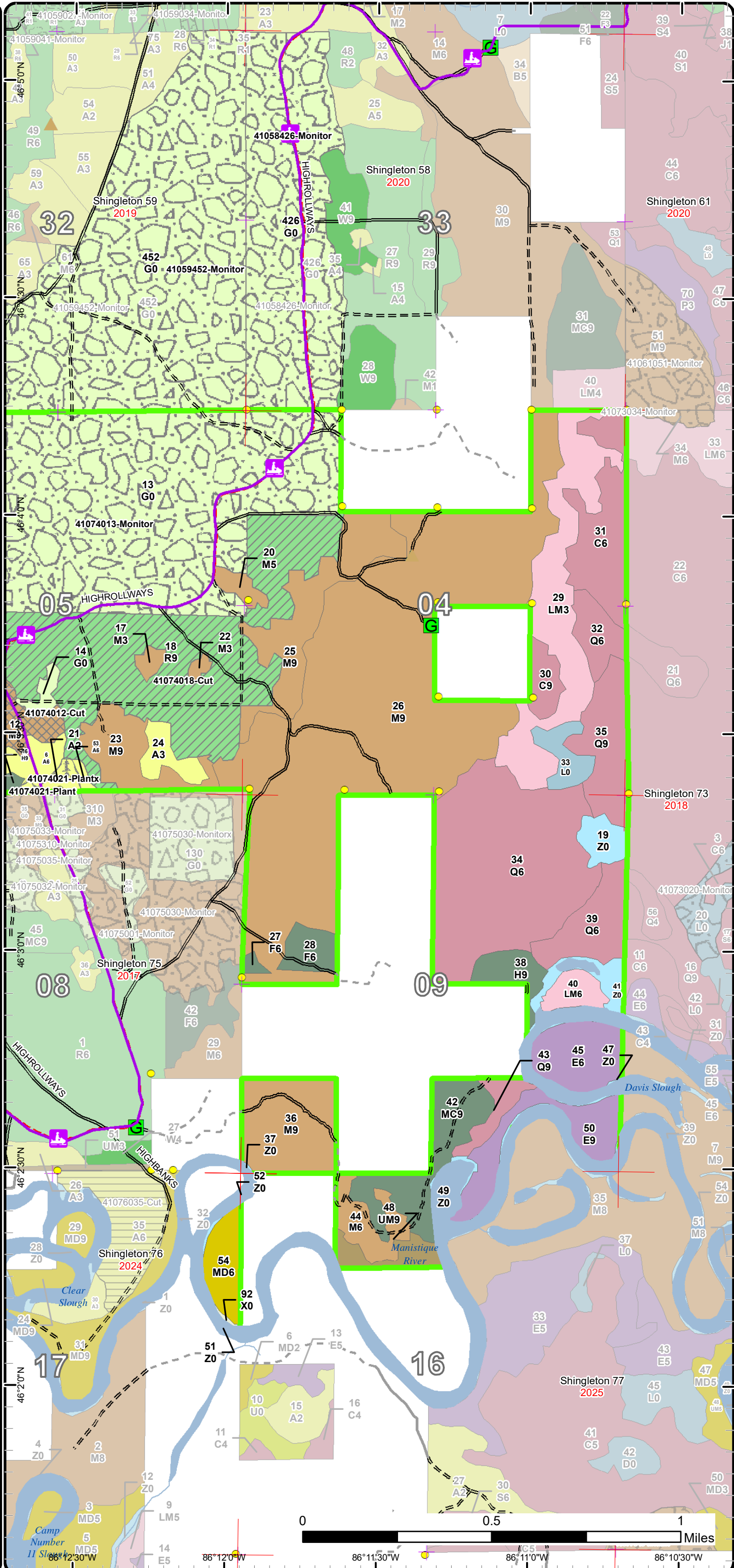


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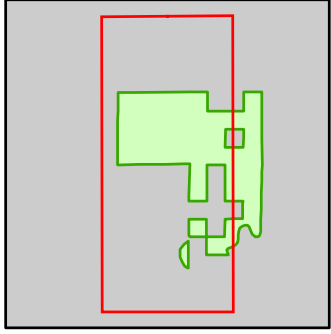
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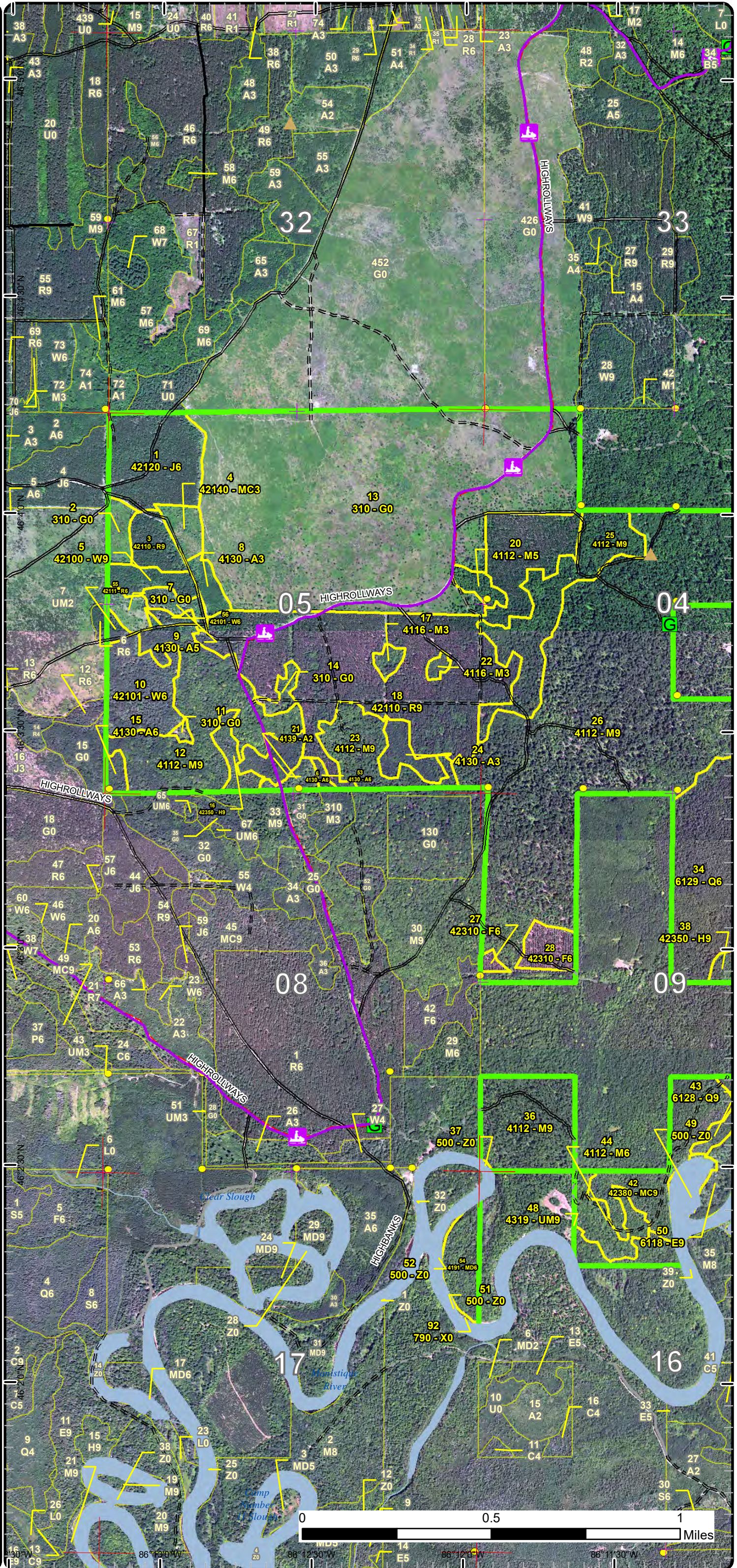
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Stand Boundary Map

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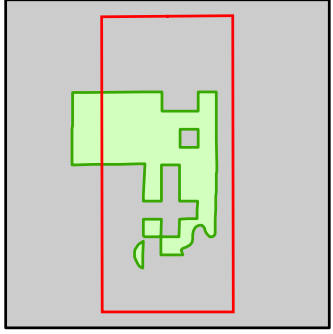


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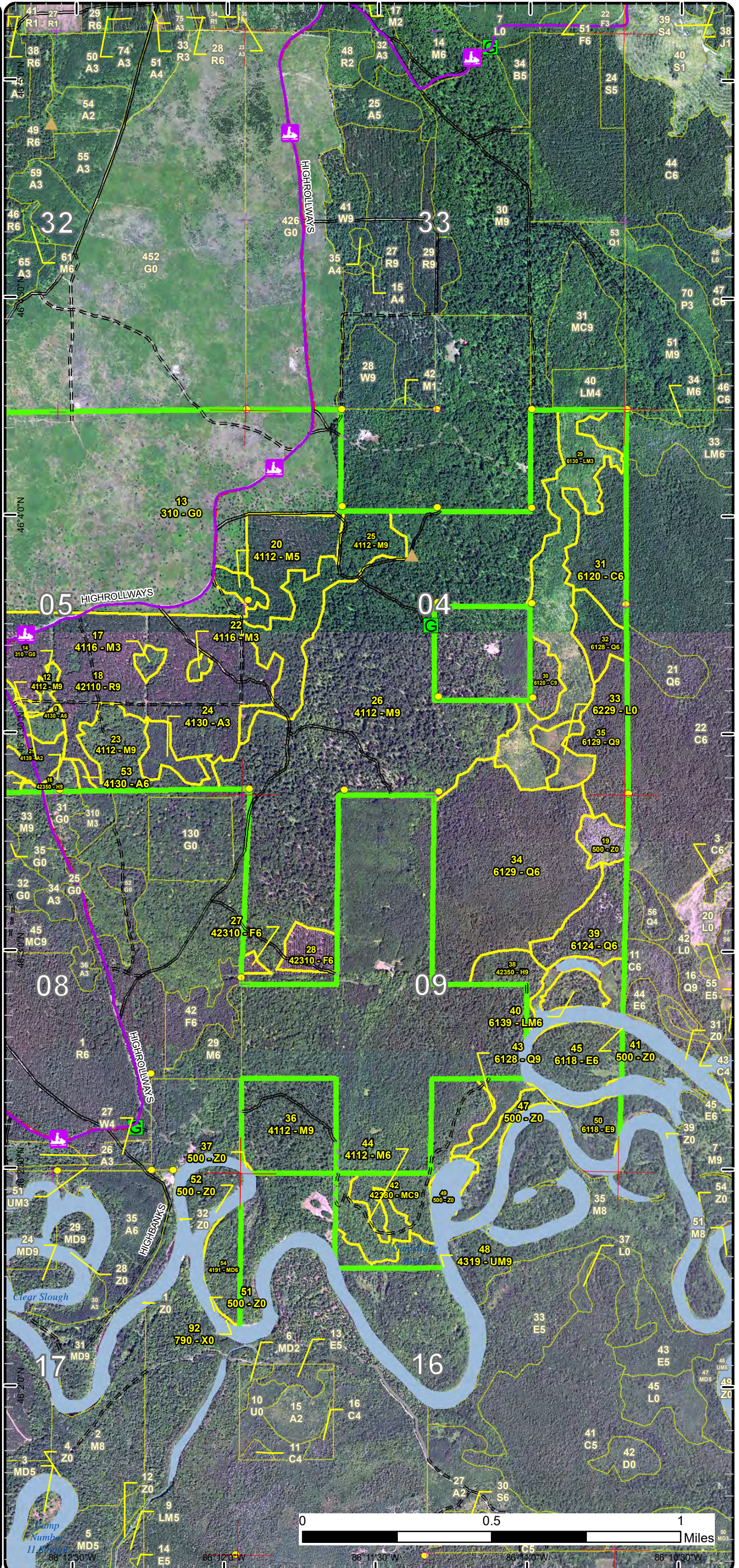


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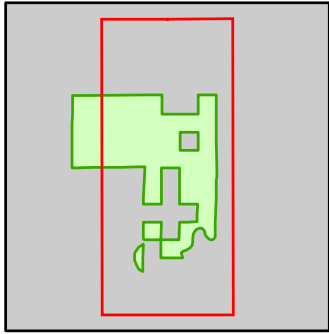


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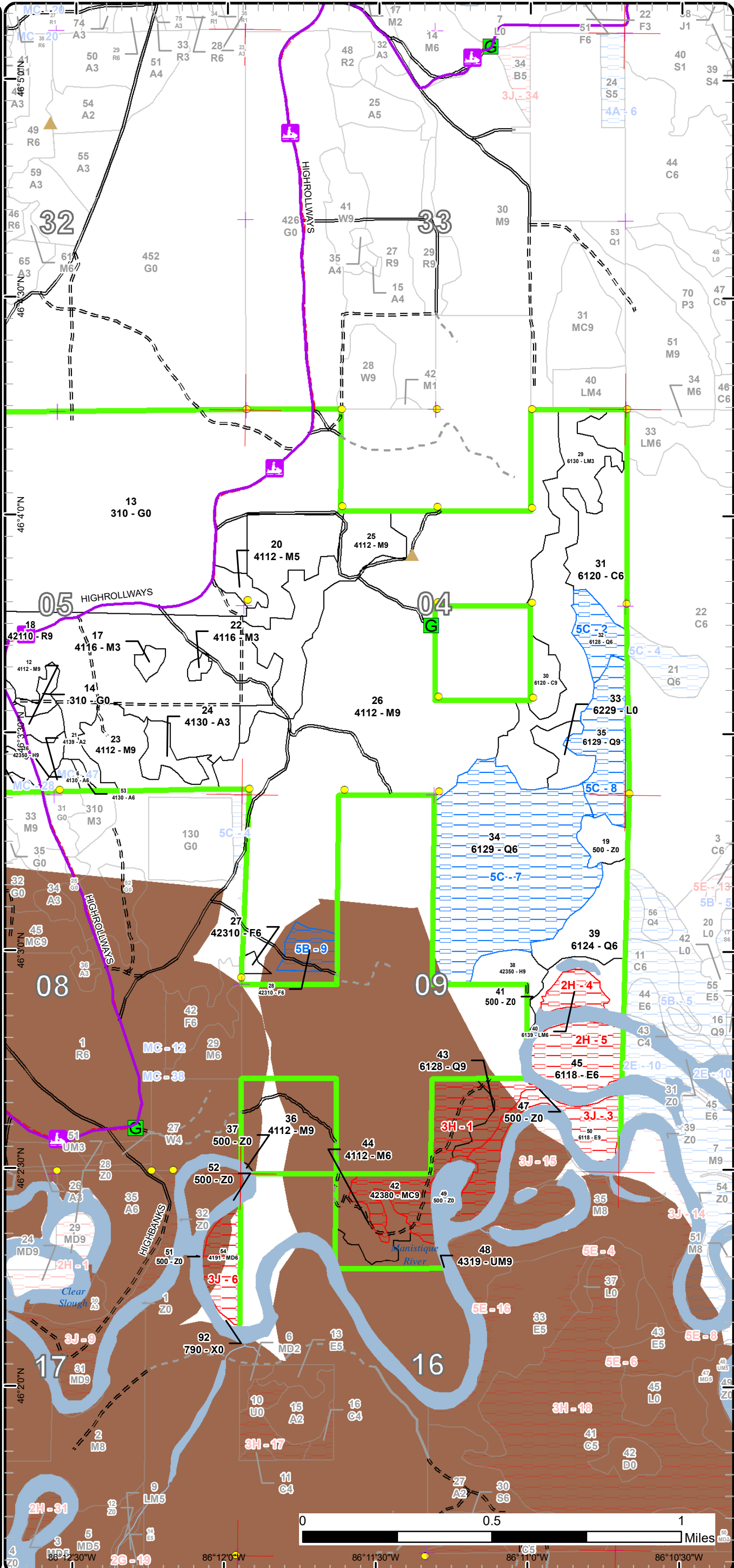


Special Conservation Areas

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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- 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	5	6	9	11	10	0	0	0	0	0	0	0	0	0	0	0	0	41
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	46
Hemlock	0	0	0	0	0	0	0	0	7	0	0	0	0	0	11	0	0	0	18
Herbaceous Openland	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	312
Jack Pine	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Conifers	0	0	0	0	0	24	0	0	0	0	42	0	0	0	127	0	0	0	193
Lowland Deciduous	0	0	0	0	0	0	0	0	25	0	28	0	0	0	0	0	0	0	53
Lowland Mixed Forest	0	0	64	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	73
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	15
Northern Hardwood	0	0	0	0	0	5	0	0	126	374	0	0	0	0	0	0	0	0	505
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Red Pine	0	0	0	0	0	2	174	0	0	0	0	0	0	0	0	0	0	0	176
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Upland Spruce/Fir	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Water	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
White Pine	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	40
Total	376	5	70	9	11	39	40	226	0	173	384	125	0	0	0	138	0	42	1638



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 74

Total Compartment Acres: 1,637

Commercial Harvest - 284
 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
Aspen	4	0	0	0	0	0	0	0	0	4
Herbaceous Openland	1	0	0	0	0	0	0	0	0	1
Northern Hardwood	0	67	0	0	0	0	0	0	0	67
Red Pine	0	0	0	0	0	176	0	0	0	176
White Pine	0	0	0	0	0	37	0	0	0	37
Total	5	67	0	0	0	213	0	0	0	284

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	284	0	5	0	0	0	294	0	0	582
Next Step	0	0	0	0	0	0	370	0	0	370
Total	284	0	5	0	0	0	663	0	0	952



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:

426	41058426-Monitor	150.7	310 - Herbaceous Openland	Nonstocked		Unspecified	Monitoring	Natural Regen (Intermediate)	310 - Herbaceous Openland		No
<p><u>Prescription</u> Monitor stand to maintain opening. <u>Specs:</u></p> <p><u>Next Step</u> Burn, Opening <u>Treatments:</u></p> <p><u>Acceptable</u> Grass for opening maintenance <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>											
452	41059452-Monitor	298.0	310 - Herbaceous Openland	Nonstocked		Unspecified	Monitoring	Natural Regen (Intermediate)	310 - Herbaceous Openland		No
<p><u>Prescription</u> Monitor site to maintain opening. <u>Specs:</u></p> <p><u>Next Step</u> Burn, Opening <u>Treatments:</u></p> <p><u>Acceptable</u> Grass opening. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>											
3	41074003-Cut	11.2	42110 - Planted Red Pine	Sawtimber Well	62	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut to improve spacing. Some areas have variable stocking. Mark thicker patches. Residual BA will be between 100-120 due to areas in the stand that are currently below the standard 120 residual target. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
5 41074005-Cut	9.6	42100 - Planted White Pine	Sawtimber Well	62	111-140	Harvest	Systematic Thinning	4210 - Planted White Pine	Even-Aged	No
<p><u>Prescription</u> Within areas with well-defined rows, cut every third row of white pine. In areas with non-existent rows or low white pine basal area, cut all all non-pine species. Do not cut oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
10 41074010-Cut	27.5	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	62	51-80	Harvest	Systematic Thinning	4210 - Planted White Pine	Even-Aged	No
<p><u>Prescription</u> Within areas with well-defined rows, cut every third row of white pine. In areas with non-existent rows or low white pine basal area, cut all all non-pine species. Do not cut oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
11 41074011-Cut	1.3	310 - Herbaceous Openland	Nonstocked		Unspecified	Harvest	Clearcut	3102 - Grass		No
<p><u>Prescription</u> Cut all trees. No retention due to opening maintenance.</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> Grass opening.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
12 41074012-Cut	66.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	88	81-110	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to residual BA of 80 according to the Compleat Marker. Additionally, create one 1/5 acre (52' radius) regeneration gap per acre.</p> <p><u>Specs:</u> Regeneration gaps do not contribute to overall residual BA.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
13	41074013-Monitor	293.7	310 - Herbaceous Openland	Nonstocked		Immature	Monitoring	Natural Regen (Intermediate)	310 - Herbaceous Openland		No
<p><u>Prescription</u> Monitor site for opening maintenance. <u>Specs:</u> <u>Next Step</u> Monitoring, Prescribed Burn <u>Treatments:</u> <u>Acceptable</u> Grasses <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2028</p>											
15	41074015-Cut	3.5	4130 - Aspen	Poletimber Well	47	Unspecified	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except any oak, if found. No retention due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>											
18	41074018-Cut	162.2	42110 - Planted Red Pine	Sawtimber Well	62	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to improve spacing for red pine growth. Residual basal area will be around 120. Some areas may be lower than 120 BA. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>											
55	41074055-Cut	2.1	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	50	51-80	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin from below. Target residual BA of 120. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> 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
6 41075006-Cut	2.3	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	50	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin from below. Target residual BA of 120. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>										

Approved Treatments:

21 41074021-Plant	0.8	4139 - Aspen, Mixed Deciduous	Sapling Medium	3	Immature	Planting	Underplant	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> plant oak <u>Specs:</u> <u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventry) <u>Treatments:</u> <u>Acceptable</u> mixed deciduous and coniferous trees <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 12/6 /2021</p>										
21 41074021-Plantx	3.8	4139 - Aspen, Mixed Deciduous	Sapling Medium	3	Immature	Planting	Underplant	310 - Herbaceous Openland		No
<p><u>Prescription</u> plant oak <u>Specs:</u> <u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventry) <u>Treatments:</u> <u>Acceptable</u> grass or other wildlife species objectives <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 12/6 /2021</p>										

Total Treatment Acreage Proposed: 1033.2

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 74

Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			5B	5C	MC	2H	3H	3J		
40	40	0		0	Aspen			0				
1	1	0		0	Bare/Sparsely Vegetated							
46	46	0		0	Cedar							
18	18	0		0	Hemlock							
312	312	0		0	Herbaceous Openland							
38	38	0		0	Jack Pine							
193	26	158		9	Lowland Conifers		158				9	
53	0	0		53	Lowland Deciduous					25		28
73	64	0		9	Lowland Mixed Forest		0			9		
10	10	0		0	Lowland Shrub		0					
15	0	0		15	Mixed Upland Deciduous							15
505	505	0		0	Northern Hardwood							
7	7	0		0	Planted Mixed Pines							
176	176	0		0	Red Pine							
34	0	0		34	Upland Conifers						34	
10	10	0		0	Upland Mixed Forest							
12	2	10		0	Upland Spruce/Fir	10						
53	53	0		0	Water		0					
39	39	0		0	White Pine							
1,637	1,348	169		120	Total Forested Acres	10	158	0	34	43	43	
	82%	10%		7%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 74

Year of Entry: 2024

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Harvesting in this stand would be difficult due to the higher volume of cedar in this stand. Additionally, stands in the adjacent compartment were cut as part of the 'Little Buddy Sale', a pilot project that covers eastern portion of 41074 and 41073.</p>							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2G: Too wet (sensitive soils, does not include access issues)	4A: No Markets Available for these Forest Products	Unspecified	Unspecified
<p>Comments:</p>							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	25	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 74

Year of Entry: 2024

7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	119	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Harvesting in this stand would be difficult due to the higher volume of cedar in this stand. Additionally, stands in the adjacent compartment were cut as part of the 'Little Buddy Sale', a pilot project that covers eastern portion of 41074 and 41073.</p>							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Harvesting in this stand would be difficult due to the higher density of cedar and hemlock in this stand. Additionally, stands in the adjacent compartment were cut as part of the 'Little Buddy Sale', a pilot project that covers eastern portion of 41074 and 41073.</p>							
9	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: 8/5/22: Stand was row thinned during the last entry.</p>							

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



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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	42120 - Planted Jack Pine	Poletimber Well	38.4	51	Unspecified	N/A	Stand was planted with red and white pine in 1959. This planting attempt failed and the site was replanted in 1971. Some areas have residual red and white pine from the 1959 planting.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		10	Pole/Log	9		Jack Pine		Low	Variable	Tall Shrub
Jack Pine		80	Pole	9	51	Black Cherry		Low	Variable	Tall Shrub
White Pine		10	Pole/Log	8		White Pine		Low	Variable	Tall Shrub
						Quaking Aspen	Low	Variable	Tall Shrub	
2	310 - Herbaceous Openland	Nonstocked	6.6		Unspecified	No				
Sub-Canopy Species		Density	Avg. Height	Size						
Jack Pine		Low	< 5 feet	Sapling						
Aspen (spp.)		Medium	5 - 10 feet	Sapling						
3	42110 - Planted Red Pine	Sawtimber Well	11.2	62	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Pine		70	Log/Pole	11	62	Jack Pine	Low	Variable	Sapling	
Jack Pine		20	Pole	7		Black Cherry	Low	Variable	Sapling	
White Pine		10	Pole	7		White Pine	Low	Variable	Sapling	
						Bigtooth Aspen	Low	Variable	Sapling	
4	42140 - Planted Mixed Pine	Sapling Well	7.5	12	Immature	N/A	The site was growing poor quality red pine and was prescribed to be converted to jack pine. Stand was clearcut in 2004 as part of Rows of Orange Red Pine. Sale was completed in 2007. Stand was planted in the spring of 2009 (FTP C41-1196) with red pine. 2010 regen check results 428 red pine. The stand was replanted in the spring of 2011. 2012 Regeneration Counts: 800 jp, 325 rp.			
Canopy Species		% Cover	Size Class	DBH	Age					
White Pine		10	Sapling	2						
Quaking Aspen		10	Sapling	2						
Red Pine		40	Sapling	2	12					
Jack Pine		40	Sapling	2	12					
5	42100 - Planted White Pine	Sawtimber Well	9.6	62	111-140	N/A	A few RP along the edges of the stand. Too small to delineate and create a new stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		80	Log/Pole	10	62	Quaking Aspen		Low	< 5 feet	Tall Shrub
Quaking Aspen		5	Pole/Sapling	7		White Pine		Low	< 5 feet	Tall Shrub
Paper Birch		5	Pole/Sapling	6						
Red Pine		10	Log/Pole	10						
6	4130 - Aspen	Poletimber Well	9.1	36	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen		92	Pole	6	36	Beech	Medium	Variable	Sapling	
Balsam Fir		2	Pole	6		Balsam Fir	Medium	Variable	Sapling	
Sugar Maple		2	Pole	6		Sugar Maple	Medium	Variable	Sapling	
Beech		2	Pole	6						
Hemlock		2	Log/Pole	10						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
7	310 - Herbaceous Openland	Nonstocked	5.8		Unspecified	Managed Opening																																																						
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8	4130 - Aspen	Sapling Well	6.1	15	Immature	N/A	Southern part of this stand (4 acres) was harvested as part of Rows of Orange Red Pine. Sale was cut in late summer of 2007. TSI work was done under FTP W41-1197 and completed in 2008. The northern part of the stand was being treated with stands in the adjacent compartment, 41059, to expand the grass openings for sharptail and breakout areas for the deer. The soils are Rubicon and the Habitat Type is PARV. The stand was treated as part of the Roll-O-Way Chips Sale #41-035-09.																																																					
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9	4130 - Aspen	Poletimber Medium	5.7	47	Unspecified	N/A	Stand is slowly filling in with aspen.																																																					
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10	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	27.5	62	51-80	N/A																																																						
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12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	66.5	88	81-110	N/A																																																						
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13	310 - Herbaceous Openland	Nonstocked	294.1		Immature	Managed Opening	Stand was burned in 2000. It is now being treated with stands in the adjacent compartment, 41059, to expand the grass openings for sharptail and breakout areas for the deer. The soils are Rubicon and the Habitat Type is PARV. (10/1/2015) stand was harvested with Roll-O-Way chips and was burned in spring of 2015.																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
14	310 - Herbaceous Openland	Nonstocked	4.4		Unspecified	No																																													
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16	42350 - Upland Hemlock	Sawtimber Well	7.1	85	81-110	N/A																																													
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17	4116 - Mixed N. Hardwood - Aspen	Sapling Well	3.0	40	51-80	N/A																																													
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18	42110 - Planted Red Pine	Sawtimber Well	162.3	62	111-140	N/A	Stand was cut as part of the Rows of Orange Red Pine.																																												
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Red Pine	97	Log/Pole	12	62																																															
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19	500 - Water	Nonstocked	8.8	0	Unspecified	No																																													
20	4112 - Maple, Beech, Cherry Association	Poletimber Medium	5.3	84	1-50	N/A	Stand was cut as part of the Wacker Sale #41-033-04. Sale was cut in the spring of 2008.																																												
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21	4139 - Aspen, Mixed Deciduous	Sapling Medium	4.6	3	Immature	N/A																																																																									
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23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.7	90	51-80	N/A	[10/29/2015 TI] Stand was cut as part of Fourteen Corners Sale #41-047-13-01. TCR date 6/17/2015.																																																																								
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24	4130 - Aspen	Sapling Well	9.4	27	Unspecified	N/A																																																																									
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25	4112 - Maple, Beech, Cherry Association	Sawtimber Well	43.7	90	51-80	N/A	TSI work done in the 80s. Stand was harvested the spring of 2008 as part of the Wacker Sale (33-04).																																																																								
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26	4112 - Maple, Beech, Cherry Association	Sawtimber Well	306.2	90	81-110	N/A	[4/26/22 TI] Some parts of the stand are regenerating with maple spp. There is a fair amount of beech in the understory that is out-competing the other hardwood species. [10/29/2015 TI] Stand was cut as part of Fourteen Corners Sale #41-047-13-01. TCR date 6/17/2015. 4000 white pine, 5600 acorns, 2500 chestnuts were planted by inmates in the summer of 1998 in the northern part of the stand as part of FTP #C41-761. The western part of the stand was part of The Wacker Sale #41-033-04. The sale was cut in the spring of 2008.																																																								
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27	42310 - Planted Spruce	Poletimber Well	1.7	62	Unspecified	N/A	[10/3/18 TI] Stand was cut as part of Three's Company Softwood Sale #41-036-14-01. TCR Date 8/15/18. Deer yard. There is a thick blanket of sphagnum moss. Stand provides excellent thermal cover. Other canopy species include aspen, hemlock, red maple and white pine; however, these species are not significant enough to be counted as part of the overall cover type. 2022: Long-term objective for the stand is mixed northern hardwoods. Check stand again during the next entry for hardwood regeneration.																																																								
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29	6130 - Fir, Aspen, Maple	Sapling Well	64.3	13	Immature	N/A	Stand was cut as part of The Wacker Sale 33-04. Sale was closed on 7/22/2009. A small portion of the sale was not cut and was left as retention. The retention pocket includes hemlock. Some parts of the stands were too wet.																																																								
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Balsam Poplar	25	Sapling	1																																																												
Black Spruce	10	Sapling	1																																																												
Hemlock	10	Log/Pole	12																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	6120 - Lowland Cedar	Sawtimber Well	9.3	107	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Pole	7		Black Spruce	
Black Spruce		5	Log	10		Low	
Northern White Cedar		85	Log	10	107	Medium	
Paper Birch		5	Pole	8		Variable	
						Sapling	
31	6120 - Lowland Cedar	Poletimber Well	36.7	105	Unspecified	N/A	Most of the surrounding cedar in this compartment and the adjacent compartment has been harvested.
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		5	Pole	9			
Black Spruce		20	Pole	9			
Northern White Cedar		55	Pole	9	105		
Balsam Fir		20	Pole	9			
32	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.9	105	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		30	Pole	9		Balsam Fir	
Chinkapin Oak		30	Pole	9		Medium	
White Spruce		40	Pole	9	105	Variable	
						Tall Shrub	
33	6229 - Mixed lowland shrub	Nonstocked	9.9		Unspecified	No	
34	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	118.5	145	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		35	Pole	8			
Hemlock		5	Log/Pole/XLog	14			
Quaking Aspen		10	Log/Pole	12			
Northern White Cedar		45	Pole	8	145		
Red Maple		5	Pole	8			
35	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	29.1	105	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Fir		10	Log	10			
Black Spruce		20	Log	10			
Hemlock		40	Log/XLog	14	105		
Northern White Cedar		30	Log	10			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36 4112 - Maple, Beech, Cherry Association Sawtimber Well 39.6 80 51-80 N/A [10/29/2015 TI] Stand was cut as part of Fourteen Corners Sale #41-047-13-01. TCR date 6/17/2015.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	78	Log/Pole	10	80	Nannyberry	Trace	5 - 10 feet	Tall Shrub
Red Maple	14	Pole/Log	8		Red Maple	High	Variable	Sapling
Hemlock	7	Log/Pole	12		Black Cherry	Trace	Variable	Sapling
Yellow Birch	1	Pole	7		Beech	Medium	Variable	Sapling
					Sugar Maple	High	Variable	Sapling

37 500 - Water Nonstocked 0.3 Unspecified No

38 42350 - Upland Hemlock Sawtimber Well 11.2 145 Unspecified N/A Stand contains some hemlock legacy trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	3	Pole	6		Black Spruce	Low	Variable	Sapling
Hemlock	91	XLog/Log	19	145	Hemlock	Low	Variable	Sapling
Beech	3	Pole	6		Balsam Fir	Low	Variable	Sapling
Red Maple	3	Pole	6					

39 6124 - Lowland Spruce-Fir Poletimber Well 23.6 47 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		White Spruce	Low	Variable	Sapling
White Spruce	10	Pole	6		Black Spruce	Low	Variable	Sapling
Black Spruce	40	Pole	6	47	Balsam Fir	Low	Variable	Sapling
Balsam Fir	35	Pole	6					
Red Maple	5	Pole	6					
Hemlock	5	Log	12					

40 6139 - Mixed Lowland Forest Poletimber Well 8.7 105 Unspecified N/A Deer yard.

41 500 - Water Nonstocked 16.7 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 42380 - Non Pine Upland Conifer, Mixed Deciduous Sawtimber Well 34.4 147 111-140 N/A Deer yard.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Pole	6		White Pine	Medium	Variable	Sapling
Balsam Fir	10	Pole	7		Beech	Medium	Variable	Sapling
Black Spruce	5	Pole	6		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	10	Pole	6		Yellow Birch	Medium	Variable	Sapling
Yellow Birch	3	Pole	7					
White Pine	3	Pole/Log	8					
Hemlock	40	Log/XLog	14	147				
Red Maple	21	Pole	7					
Green Ash	5	Pole	6					

43 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 8.8 147 Unspecified N/A Deer yard.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole	7		Black Spruce	Low	Variable	Sapling
White Pine	5	Log/Pole/XLog	14		Northern White Cedar	Low	Variable	Sapling
Red Maple	20	Pole	7		Hemlock	Low	Variable	Sapling
Hemlock	30	XLog/Log	18	147	Balsam Fir	Medium	Variable	Sapling
Yellow Birch	5	Pole	7					
Paper Birch	5	Pole	7					
Black Spruce	10	Pole	7					
Black Ash	5	Pole	7					

44 4112 - Maple, Beech, Cherry Association Poletimber Well 15.3 80 51-80 N/A Stand was thinned very heavily in the 1980s. Deer yard.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Log	8	80	Balsam Fir	Medium	Variable	Sapling
Sugar Maple	40	Pole/Log	8		Black Cherry	Medium	Variable	Sapling
Hemlock	10	Log/Pole	12		Striped Maple	Low	Variable	Sapling
Black Cherry	5	Pole	7		Red Maple	Medium	Variable	Sapling
Paper Birch	5	Pole	8		Beech	Medium	Variable	Sapling

45 6118 - Lowland Deciduous with Cedar Poletimber Well 25.4 80 Unspecified N/A Deer yard.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	20	Pole	8	
Black Ash	30	Pole	8	80
Red Maple	20	Pole	8	
Yellow Birch	20	Pole	8	
Black Spruce	10	Pole	8	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 500 - Water Nonstocked 5.4 Unspecified No

48 4319 - Mixed Upland Forest Sawtimber Well 10.4 90 81-110 N/A Deer yard.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	11	90	Hemlock	Low	Variable	Sapling
Hemlock	20	Log/Pole	11		Quaking Aspen	Low	Variable	Sapling
Northern White Cedar	15	Log/Pole	11		Red Maple	Low	Variable	Sapling
Balsam Fir	10	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Sugar Maple	25	Log/Pole	11					

49 500 - Water Nonstocked 17.2 Unspecified No

50 6118 - Lowland Deciduous with Cedar Sawtimber Well 27.7 105 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Log/Pole	11	
Yellow Birch	10	Log/Pole	11	
Green Ash	40	Log/Pole	11	105
Northern White Cedar	20	Log/Pole	11	

51 500 - Water Nonstocked 1.9 Unspecified No

52 500 - Water Nonstocked 2.3 Unspecified No

53 4130 - Aspen Poletimber Well 1.6 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole	6		Beech	Medium	Variable	Sapling
Quaking Aspen	92	Pole	6	36	Sugar Maple	Medium	Variable	Sapling
Hemlock	2	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Sugar Maple	2	Pole	6					
Beech	2	Pole	6					

54 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 15.0 80 111-140 N/A



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 2.1 50 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	8		Bigtooth Aspen	Low	Variable	Sapling
Jack Pine	10	Pole	8		White Pine	Low	Variable	Sapling
Red Pine	70	Pole/Log	9	50	Jack Pine	Low	Variable	Sapling
Bigtooth Aspen	10	Pole	8					

56 42101 - Planted White Pine, Mixed Deciduous Poletimber Well 2.4 62 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	10	Pole	8		Bigtooth Aspen	Low	Variable	Sapling
Bigtooth Aspen	10	Pole	8		White Pine	Low	Variable	Sapling
Quaking Aspen	20	Pole	8		Jack Pine	Low	Variable	Sapling
White Pine	60	Pole	8	62				

92 790 - Other Bare/Sparsely Vegetated Nonstocked 1.1 Unspecified No