



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41076

Entry Year 2024

Acreage: 1,510

County Schoolcraft

Management Area: Seney Manistique Swamp

Stand Examiner: Adam Petrelius

Legal Description:

T42N R15W, Sections 17, 18, 19, 20, 30

Identified Planning Goals:

The main goal of this compartment is to conduct multiple resource management for current and future generations.

Soil and topography:

The topography within the compartment is very consistent and the majority of the land is flat. A steep ridge exists in the northeast. Elevation values peak at 663 feet and drop to 604 at the Manistique River edge. Most of the land is forested and most common cover types are cedar and mixed swamp conifer. The two most abundant soils are Pelkie and Dawson/Greenwood/Loxley.

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

State land within this compartment was acquired between 1927 and 1946. The compartment boundary borders private and state land. Most of the land receives very minimal use because of difficult access. The northeast end of the compartment receives the most use for hunting and fishing.

Unique Natural Features:

Under Review

Archeological, Historical, and Cultural Features:

Under Review

Special Management Designations or Considerations:

Most of the land is located within a deer wintering area.

Watershed and Fisheries Considerations:

This compartment contains Sturgeon Hole Creek, the Mainstem Manistique River, and Sturgeon Hole Slough.

This reach of Sturgeon Hole Creek is a non-designated stream less than 50' width with a predicted mean July temperature of 63.0 °F (cold stream). 100' plus 5' per 1% increase in slope; buffers are recommended for Sturgeon Hole Creek to protect riparian areas in accordance with Best Management Practices.

The Mainstem Manistique River is a non-designated river greater than 50' width with a predicted mean July temperature of 70.3 °F (cool stream). 100' plus 5' per 1% increase in slope; buffers are recommended for the Mainstem Manistique River to protect riparian areas in accordance with Best Management Practices.

Sturgeon Hole Slough is 47-acre inland waterbody connecting Sturgeon Hole Creek to the Mainstem Manistique River. 100' plus 5' per 1% increase in slope; buffers are recommended for Sturgeon Hole Slough to protect shoreline and shoreland 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 Seney Manistique Swamp Management Area which highlights the following Featured Species: Moose, sharp-tailed grouse, snowshoe hare and white-tailed deer. The Manistique River forms the east and south borders of this compartment. The landscape is characterized by meandering river, oxbows and predominantly lowland forests. General Land Office (GLO) Surveyor notes show the circa 1850 lowland conifer swamps were comprised primarily cedar, spruce, and tamarack. Lowland hardwoods contained hemlock, elm, aspen, ash, balsam poplar, balsam fir, and red maple. Upland hardwoods along the river contained sugar maple, hemlock, yellow birch, pine (presumably white), and balsam fir. Windthrow and flooding likely played major roles in the natural disturbance regime. Current forests

appear to be very similar in species composition to pre-settlement conditions. A significant portion of this compartment (all stands bordering the Manistique River) will be managed to include retention of some old growth characteristics. Wildlife habitat objectives in this compartment are associated with providing structural and species compositions similar to pre-settlement conditions. This includes maintaining closed canopy coniferous lowlands, protecting wetland boundaries, and promoting old growth characteristics along the Manistique River. The river corridor also serves as a wintering complex for deer. Bald eagles (State and Federally threatened) fish along the course of the Manistique River. There are also at least two rare plant species that are found along the river course. Other wildlife species of interest that may utilize this compartment include spring peepers, leopard frogs, pileated woodpecker, eastern kingbird, muskrat, and beaver.

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 active mineral extraction site is less than one mile west, but the compartment appears to be predominantly low-lying and wet, which would inhibit any surface mining. No current mineral leasing activity exists in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access is poor. The main access road through the compartment travels through private land.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

There are no designated recreational facilities located within the compartment. Opportunities for fishing, hunting, and other forms of outdoor recreation exist.

Fire Protection:

Access is poor. Some areas of the compartment are a mile away from the nearest road with many rivers and sloughs present. Fuels are mostly low ground. Numerous water sources are present.

Additional Compartment Information:

The following reports from the Inventory are attached:

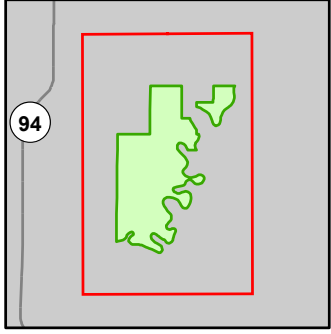
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

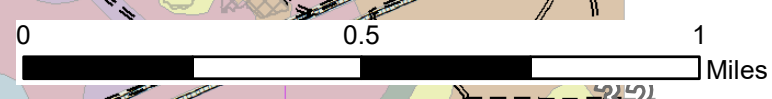
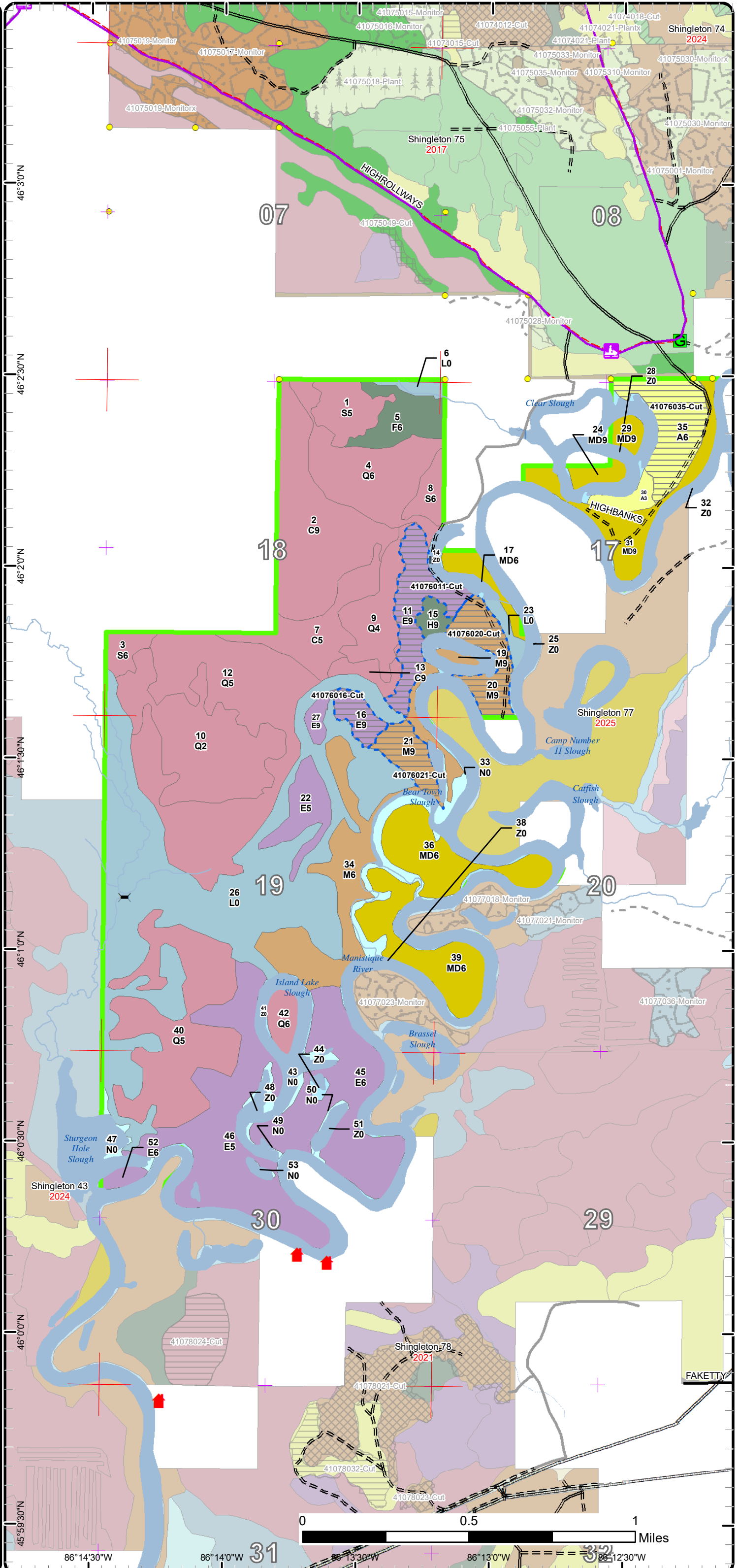
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 76
 T42N, R15W, Sec. 17-20, 30
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2024
 Acres: 1509.6 GIS Calculated
 Examiner: Adam Petrelius
 Map Revised: 8/17/2022
 Map Phase: Web Post



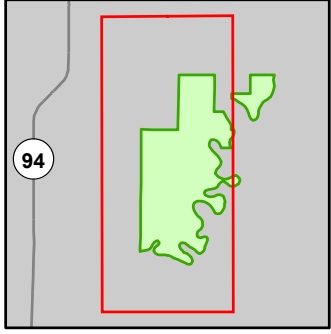
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
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- ▲ Cabin
- Gate
- ✕ Bridges
- Culvert
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



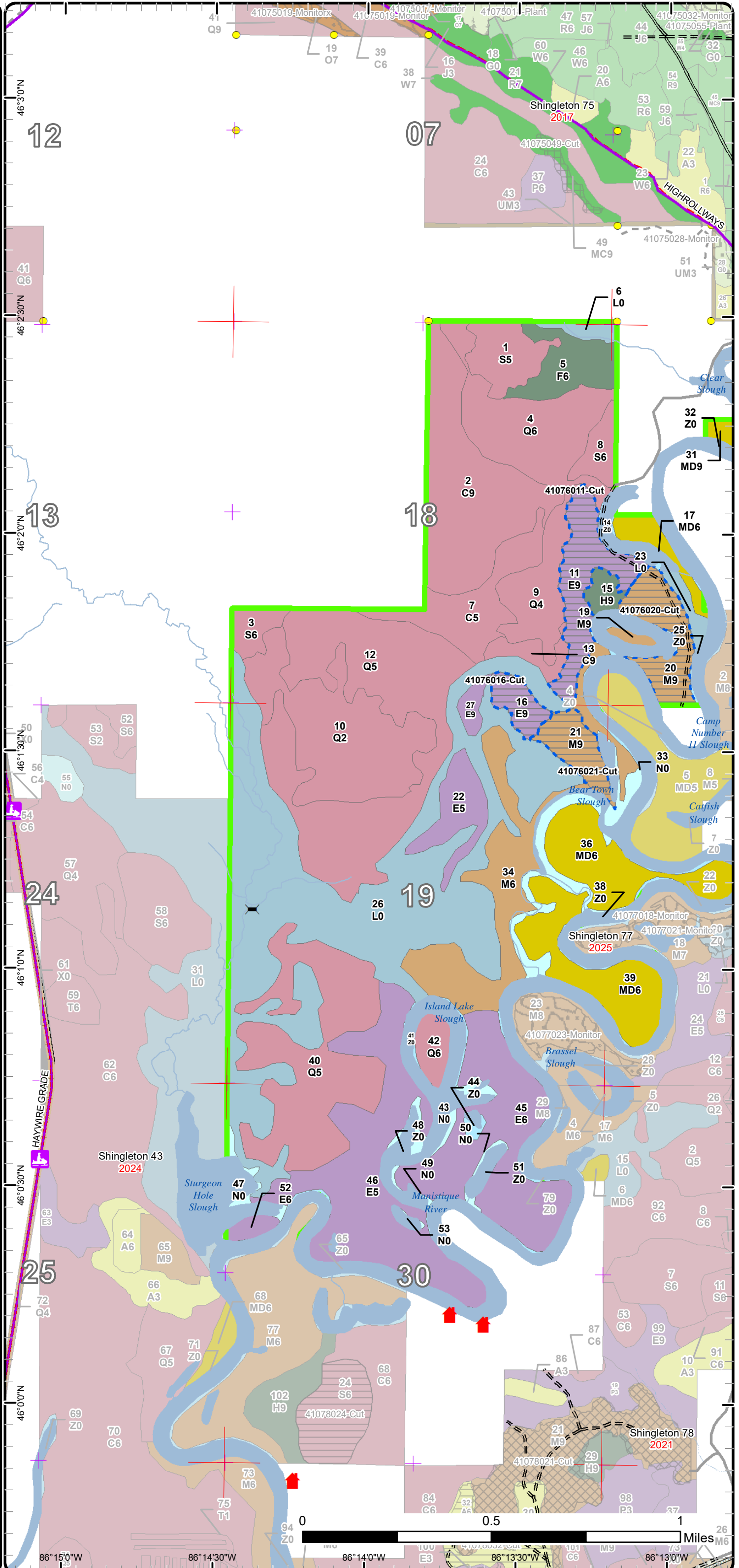
45°59'30"N 86°14'30"W 86°14'0"W 86°13'30"W 86°13'0"W 86°12'30"W
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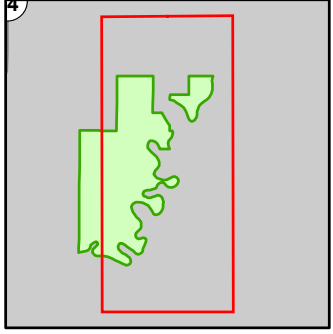


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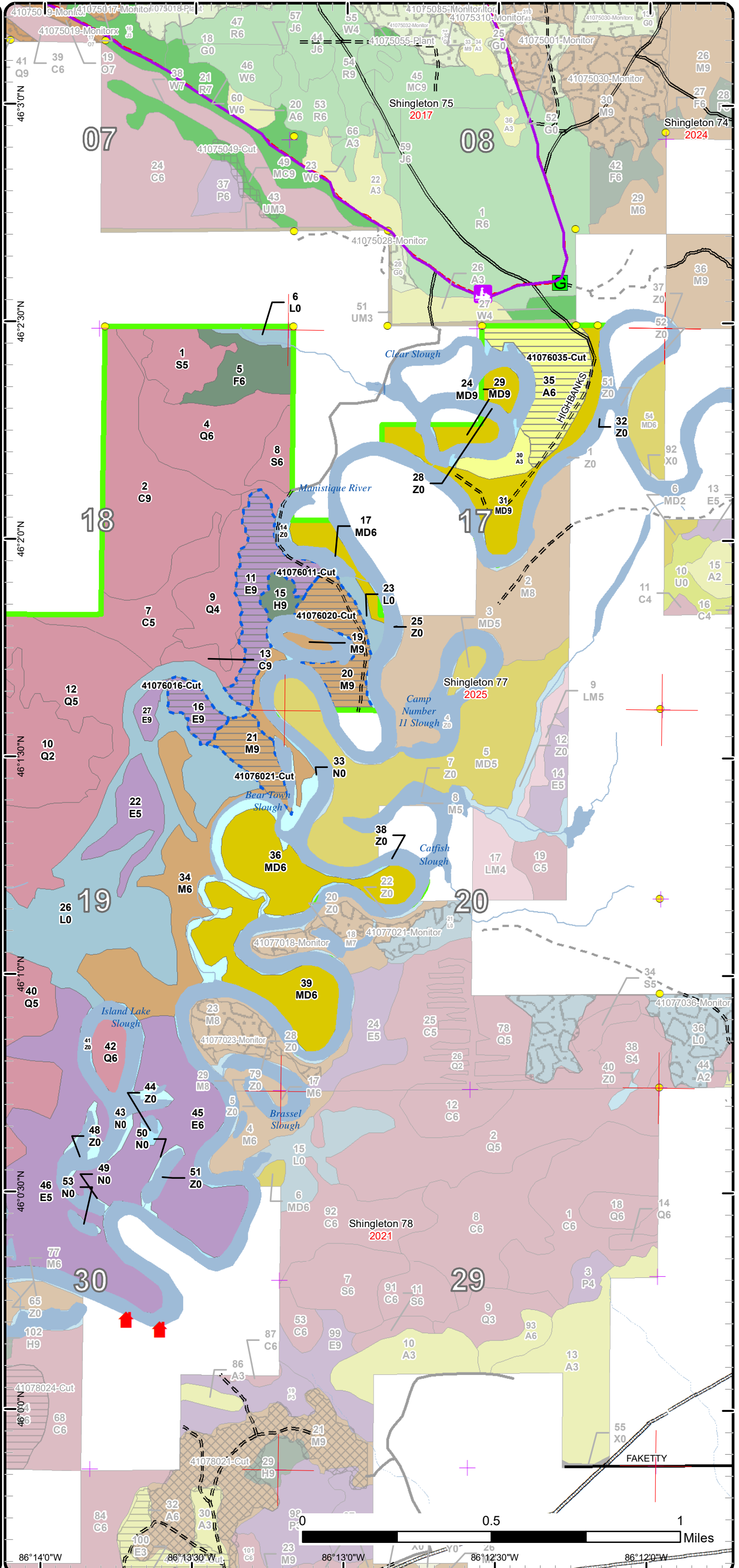


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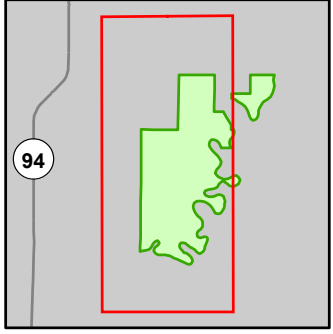


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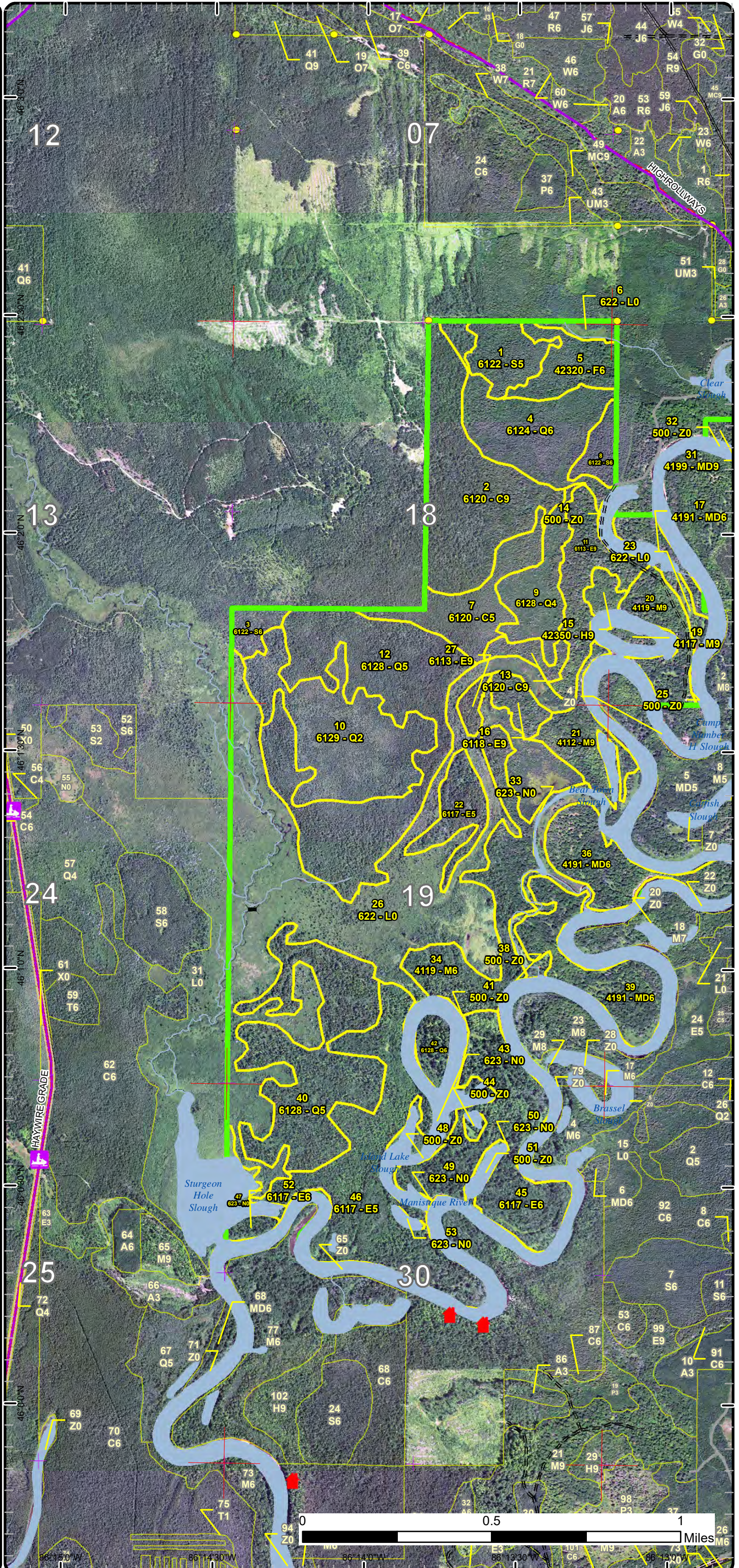


Stand Boundary Map

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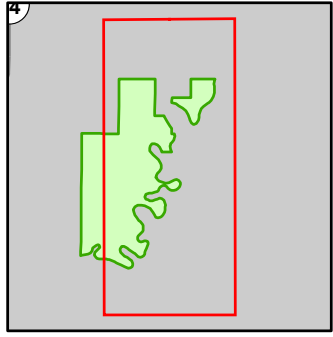


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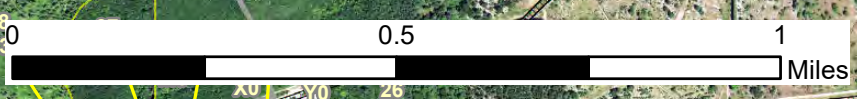
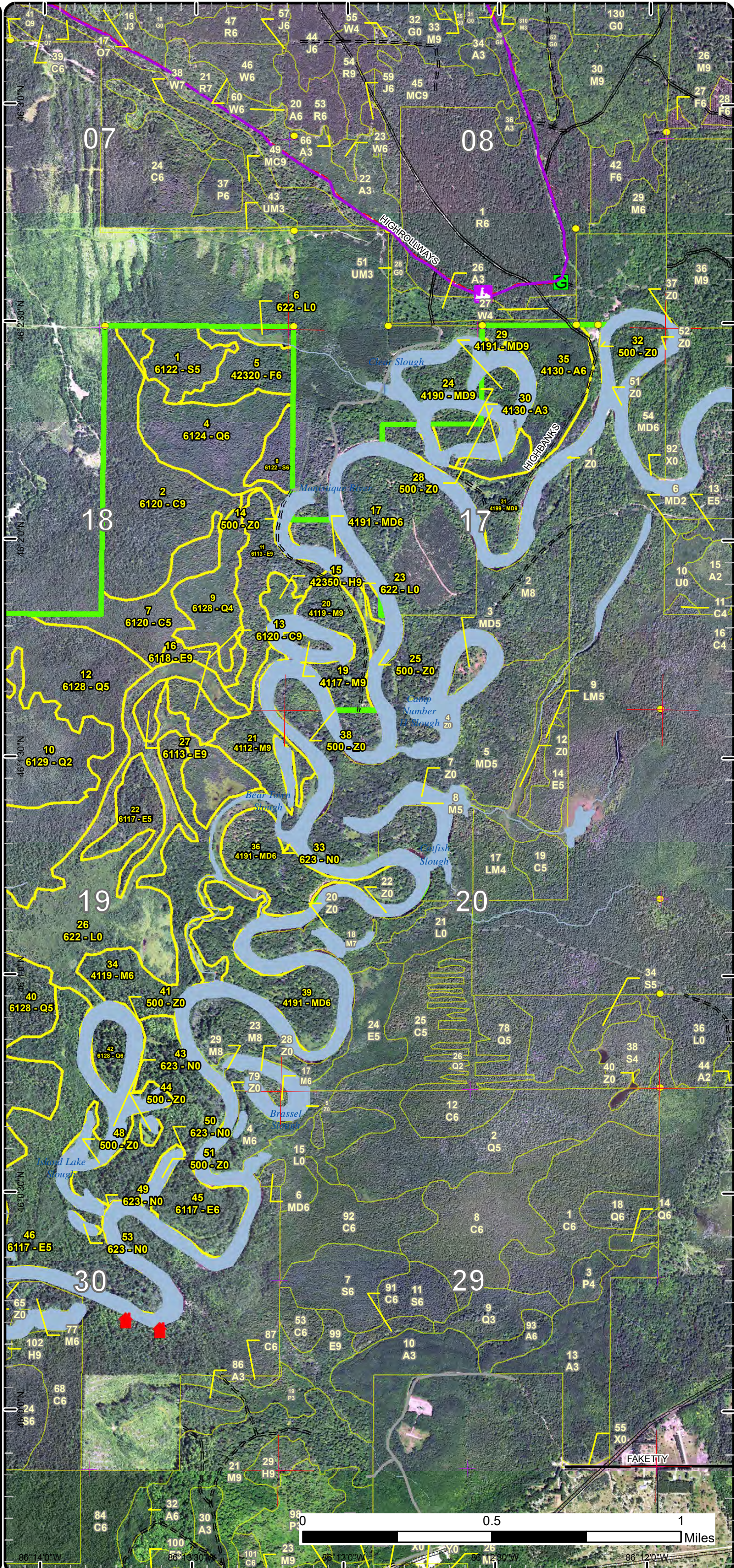


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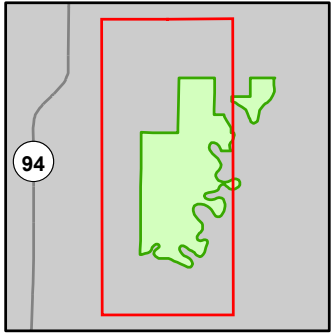
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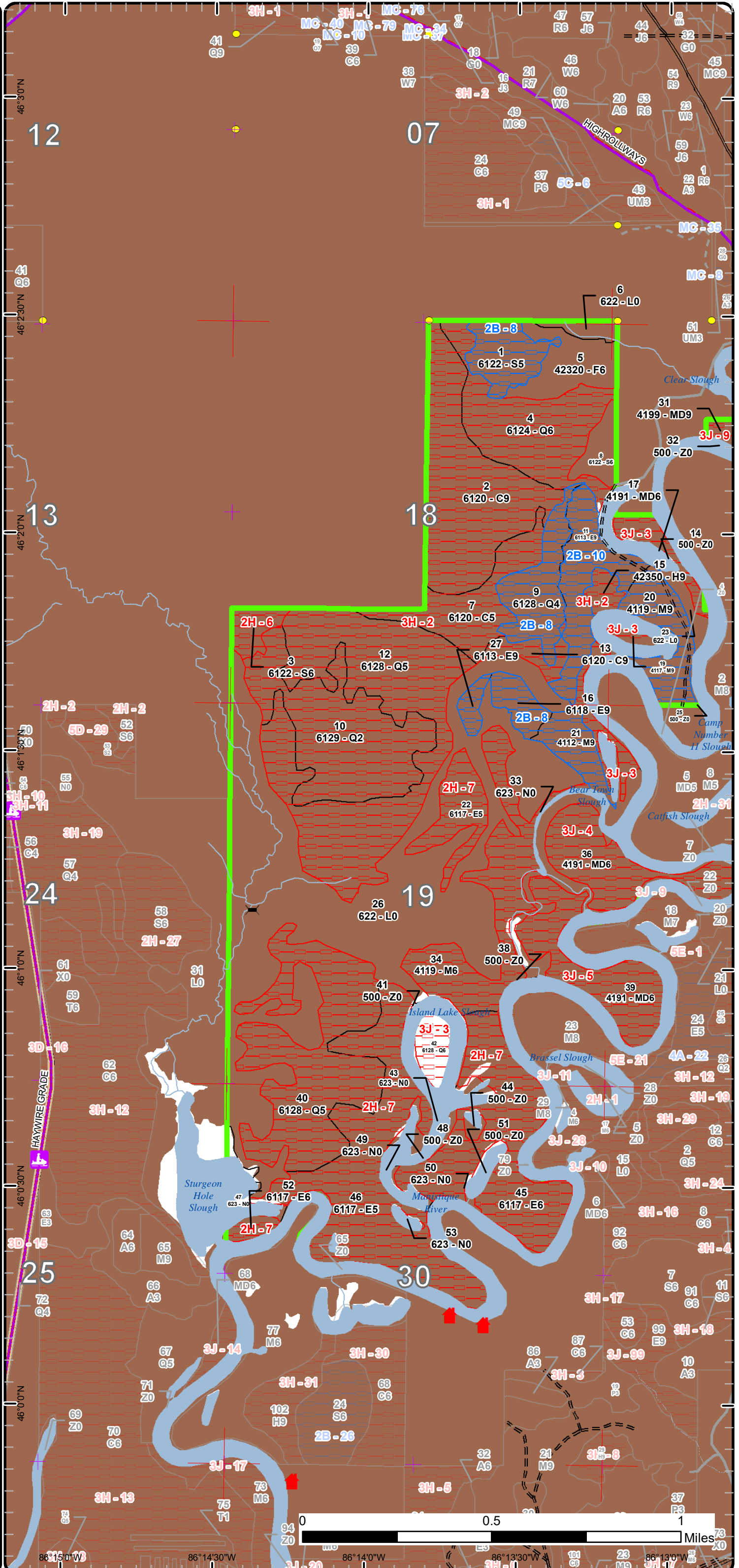
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Special Conservation Areas

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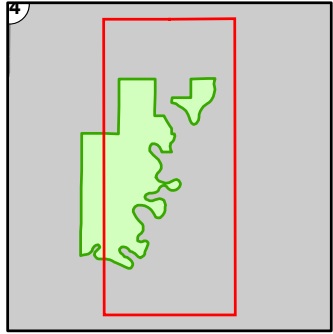


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- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range

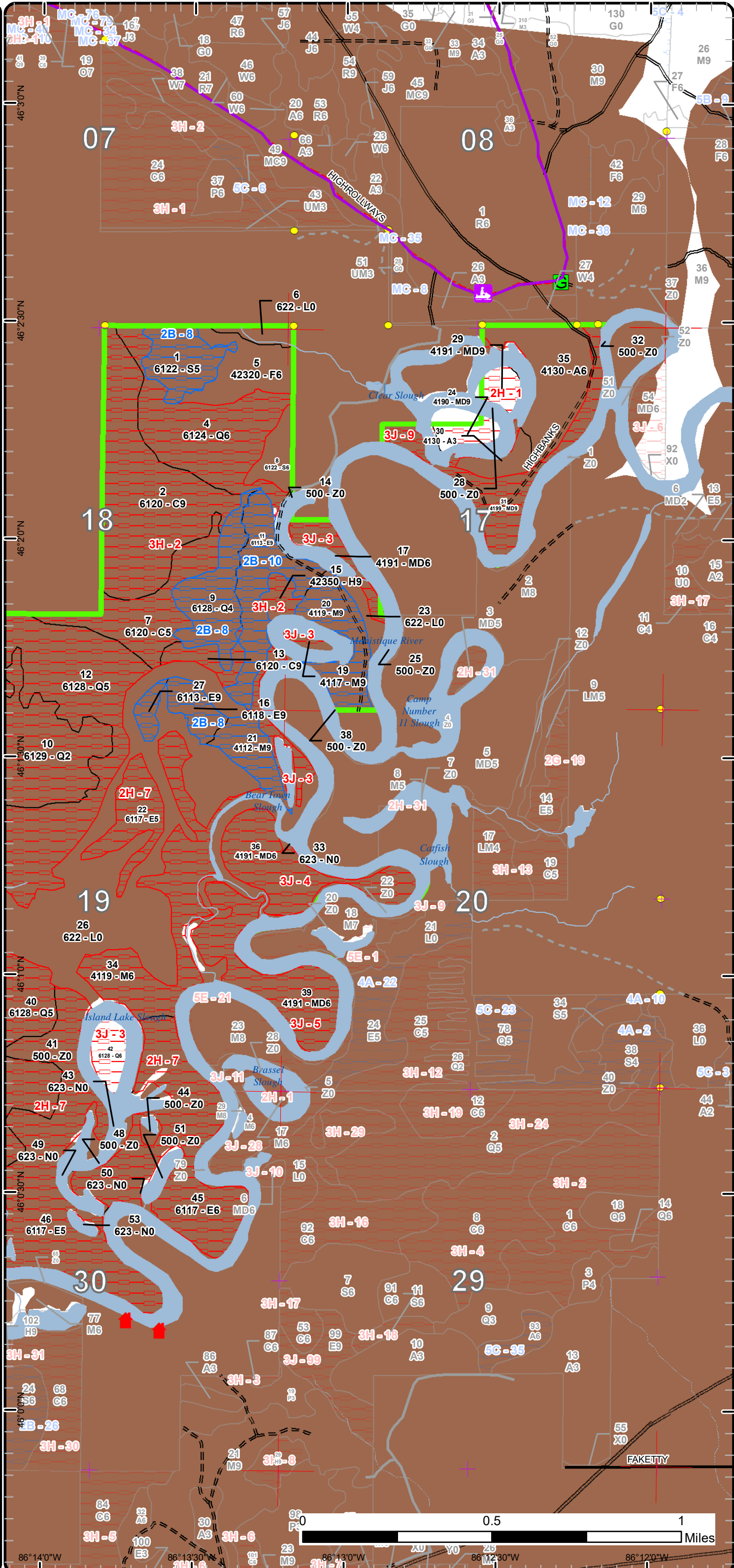


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	8	0	35	0	0	0	0	0	0	0	0	0	0	0	0	43
Cedar	0	0	0	0	0	0	0	0	0	32	0	0	85	0	0	0	0	0	117
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
Lowland Conifers	0	0	0	0	53	0	72	120	89	0	38	0	0	0	0	0	0	0	371
Lowland Deciduous	0	0	0	0	0	0	0	0	0	19	177	46	0	0	0	0	0	0	242
Lowland Shrub	249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	248
Lowland Spruce/Fir	0	0	0	0	0	0	0	10	9	0	20	0	0	0	0	0	0	0	39
Marsh	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	57	0	79	0	0	0	0	0	0	135
Northern Hardwood	0	0	0	0	0	0	0	52	0	27	0	22	0	0	0	0	0	0	101
Upland Spruce/Fir	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Water	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127
Total	434	0	0	8	75	35	72	182	98	135	235	147	85	0	6	0	0	0	1509



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 76
Total Compartment Acres: 1,510

Commercial Harvest - 35
Harvests with Site Condition - 80
Next Step Harvest - 65
Habitat Cut - 65

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	35	0	0	0	0	0	0	0	0	35
Lowland Deciduous	41	0	0	0	0	0	0	0	0	41
Northern Hardwood	39	0	0	0	0	0	0	0	0	39
Total	115	0	0	0	0	0	0	0	0	115

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	115	0	0	0	0	0	0	0	0	115
Next Step	65	0	0	0	0	50	0	0	0	115
Total	180	0	0	0	0	50	0	0	0	229



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:

11	41076011-Cut	31.2	6113 - Lowland Maple	Sawtimber Well	100	Unspecified	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species except hemlock and oak. Incorporate large diameter trees of multiple species into red line which will be saved as retention, along with buffers along river and sloughs. Stand should be harvested October 1 till March 31 for winter deer browse.</p> <p><u>Next Step Treatments:</u> Harvest, Clearcut with Retention</p> <p><u>Acceptable Regen:</u> Mixed hardwood and deciduous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
16	41076016-Cut	9.8	6118 - Lowland Deciduous with Cedar	Sawtimber Well	100	81-110	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species except hemlock and oak. Incorporate large diameter trees of multiple species into red line which will be saved as retention, along with buffers along river and sloughs. Stand should be harvested October 1 till March 31 for winter deer browse.</p> <p><u>Next Step Treatments:</u> Harvest, Clearcut with Retention</p> <p><u>Acceptable Regen:</u> Mixed deciduous and conifer.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
20	41076020-Cut	24.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	80	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species except hemlock and oak. Incorporate large diameter trees of multiple species into red line which will be saved as retention, along with buffers along river and sloughs. Stand should be harvested October 1 till March 31 for winter deer browse.</p> <p><u>Next Step Treatments:</u> Harvest, Clearcut with Retention</p> <p><u>Acceptable Regen:</u> Mixed deciduous and coniferous trees.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</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
21 41076021-Cut	14.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species except hemlock and oak. Incorporate large diameter trees of multiple species into red line which will be saved as retention, along with buffers along river and sloughs. Stand should be harvested October 1 till March 31 for winter deer browse.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Mixed hardwood and deciduous species acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
35 41076035-Cut	34.7	4130 - Aspen	Poetimber Well	41	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species except hemlock and oak. Harvesting adjacent to the slough and river is acceptable for woodcock management. Ruffed grouse drumming log specs – add to all aspen stands: Cut one 8" DBH by 8ft long tree per acre and leave it fell immediately adjacent to its stump, which should be at least 4' high. May take tops.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Mixed deciduous and coniferous</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/26/2026</p>										

Total Treatment Acreage Proposed: 114.7

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 76
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2B	2H	3H	3J
		With Condition	Not Available					
42	42	0	0	Aspen				
117	0	0	117	Cedar			117	
6	0	0	6	Hemlock			6	
371	0	27	345	Lowland Conifers	27	89	245	10
243	0	46	197	Lowland Deciduous	46	197		
249	249	0	0	Lowland Shrub				
38	10	20	9	Lowland Spruce/Fir	20	9		
58	58	0	0	Marsh				
136	0	0	136	Mixed Upland Deciduous		14		122
102	0	38	64	Northern Hardwood	38	52		11
22	22	0	0	Upland Spruce/Fir				
127	110	0	17	Water		17		
1,510	490	130	889	Total Forested Acres	130	378	368	143
	32%	9%	59%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: island							
2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	368	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 76
Year of Entry: 2024

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	338	3J: Water quality / BMPs (stream, river, or lake)	2E: Road needed	Unspecified	Unspecified
Comments:							
8	Available	2B: Unknown if access through adjacent landowner(s) is possible	75	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 76
Year of Entry: 2024

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	55	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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	6122 - Black Spruce	Poletimber Medium	19.5	90	81-110	N/A	Stand was prepped as part of the Beartown Slough Sale #41-007-14-01. The sale was returned and no cutting occurred. TCR Date 7/30/2018. During 2022 inventory, the stand boundary was re-shaped red line which was painted in 2014. Therefore the retention is located in the NW and part of stand 4.																																							
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2	6120 - Lowland Cedar	Sawtimber Well	76.7	118	141-170	N/A	scattered mature black spruce and fir																																							
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4	6124 - Lowland Spruce-Fir	Poletimber Well	52.6	38	1-50	N/A	scattered mature black spruce and fir																																							
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5	42320 - Upland Spruce	Poletimber Well	21.7	38	Unspecified	N/A																																								
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6	622 - Lowland Shrub	Nonstocked	5.1			No																																								
7	6120 - Lowland Cedar	Poletimber Medium	32.0	80	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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9 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 26.7 90 1-50 N/A Stand swapped from Non-Forested to Forested.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	30	Sapling/Pole	4		Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	40	Pole/Sapling	6	90				
Red Maple	30	Sapling/Pole	4					

10 6129 - Mixed Coniferous Lowland Forest Sapling Medium 72.4 50 1-50 N/A

11 6113 - Lowland Maple Sawtimber Well 31.2 100 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Log/XLog	14	100	Balsam Fir	Low	5 - 10 feet	Sapling
Paper Birch	10	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
White Spruce	10	Log/Pole	12					
Black Spruce	5	Pole	8					
Northern White Cedar	5	Pole	8					
Hemlock	5	Log	14					
White Pine	5	Log	16					

Stand was prepped as part of the Beartown Slough Sale #41-007-14-01. The sale was returned and no cutting occurred. TCR Date 7/30/2018.

2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA

12 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 120.1 68 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	25	Pole/Sapling	6	
Northern White Cedar	30	Pole/Sapling	6	68
Black Spruce	22	Pole/Sapling	7	
Red Maple	23	Pole	6	

13 6120 - Lowland Cedar Sawtimber Well 7.9 110 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	100	Log/Pole	12	110	Balsam Fir	Low	5 - 10 feet	Sapling

14 500 - Water Nonstocked 9.7 No

15 42350 - Upland Hemlock Sawtimber Well 6.0 130 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	12		Hemlock	Low	>20 feet	Pole
Paper Birch	5	Log/Pole	12					
Hemlock	90	Log/XLog	14	130				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
16	6118 - Lowland Deciduous with Cedar	Sawtimber Well	9.8	100	81-110	N/A	Stand was prepped as part of the Beartown Slough Sale #41-007-14-01. The sale was returned and no cutting occurred. TCR Date 7/30/2018.																																																	
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17	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.4	80	81-110	N/A																																																		
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19	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	3.1	80	81-110	N/A																																																		
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20	4119 - Mixed Northern Hardwoods	Sawtimber Well	24.2	80	111-140	N/A	2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA																																																	
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21	4112 - Maple, Beech, Cherry Association	Sawtimber Well	22.3	100	111-140	N/A	Stand was prepped as part of the Beartown Slough Sale #41-007-14-01. The sale was returned and no cutting occurred. TCR Date 7/30/2018. Treatment was terminated and re-added. 2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA																																																	
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22	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	19.3	88	81-110	N/A																																																					
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23	622 - Lowland Shrub	Nonstocked	6.1			No																																																					
24	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Well	7.4	80	81-110	N/A	cut in past. aspen was salvaged "Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."																																																				
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25	500 - Water	Nonstocked	2.9			No																																																					
26	622 - Lowland Shrub	Nonstocked	237.3			No																																																					
27	6113 - Lowland Maple	Sawtimber Well	4.8	100	Unspecified	N/A	Stand was prepped as part of the Beartown Slough Sale #41-007-14-01. The sale was returned and no cutting occurred. TCR Date 7/30/2018. 2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA																																																				
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28	500 - Water	Nonstocked	17.1			No																																																					
29	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.7	80	81-110	N/A	"Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
30	4130 - Aspen	Sapling Well	7.6	26	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		90	Sapling	4	26	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir		10	Sapling	4					
31	4199 - Other Mixed Upland Deciduous	Sawtimber Well	32.6	80	81-110	N/A	bur oak in stand"Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserverving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		15	Log/Pole	10		Beech	Medium	10 - 20 feet	Sapling
Red Maple		15	Log/Pole	10		Balsam Fir	Medium	10 - 20 feet	Sapling
Bur Oak		40	Log/Pole	12	80				
White Pine		5	XLog/Log	22					
Black Ash		10	Pole	8					
Beech		10	Log/Pole	12					
Northern White Cedar		5	Log/Pole	10					
32	500 - Water	Nonstocked	12.6			No			
33	623 - Emergent Wetland	Nonstocked	26.6			No			
34	4119 - Mixed Northern Hardwoods	Poletimber Well	52.4	60	81-110	N/A	"Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserverving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		10	Log	12		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Red Maple		60	Log/XLog	14	60	Black Ash	High	>20 feet	Sapling
Northern White Cedar		10	Log	16					
Black Ash		10	Pole/Sapling	7					
Yellow Birch		10	XLog/Log	20					
35	4130 - Aspen	Poletimber Well	34.7	41	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		80	Pole	9	41	Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir		10	Pole	7					
Red Maple		5	Pole	7					
Paper Birch		5	Pole	6					
36	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	38.3	100	81-110	N/A	2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserverving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	500 - Water	Nonstocked	66.4			No	
39	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	40.2	100	81-110	N/A	2012 WLD comment - Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA
40	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	89.0	75	Unspecified	N/A	portions of stand were cut in past for deeryard management. "Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."
41	500 - Water	Nonstocked	12.2			No	
42	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.5	90	81-110	N/A	"Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."
43	623 - Emergent Wetland	Nonstocked	15.0			No	
44	500 - Water	Nonstocked	2.1			No	
45	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	74.9	90	81-110	N/A	"Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."
46	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	98.2	90	81-110	N/A	stand cut in past for deer yard management "Stand was previously labeled as potential old growth. Designation has been removed. Long term management should emphasize preserving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."
47	623 - Emergent Wetland	Nonstocked	10.0			No	
48	500 - Water	Nonstocked	2.3			No	
49	623 - Emergent Wetland	Nonstocked	2.0			No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	623 - Emergent Wetland	Nonstocked	3.1			No	
51	500 - Water	Nonstocked	1.7			No	
52	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	4.4	90	81-110	N/A	"Stand was previously labeled as potential old growth. Designation has been removed. Long term managment should emphasize preserverving some within stand oldgrowth characteristics while also managing the stand to accomplish goals of the deer wintering complex SCA."
53	623 - Emergent Wetland	Nonstocked	1.3			No	