



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41145

Entry Year 2021

Acreage: 1,630

County Schoolcraft

Management Area: Grand Marais Moraine Complex

Stand Examiner: Mario Molin

Legal Description:

47N 15W Sections: 17 18 19 20 21 28

Identified Planning Goals:

Soil and topography:

The north half of the compartment lies in LTA Outwash Transition - with rolling hills. The southern half of the compartment is in LTA Driggs Basin - with more level ground with gradual decline to the river.

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

This compartment contains a mixture of ownerships from private individuals to Industry.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The northern section of this compartment contains Ross Creek, Black Creek and Mahoney Creek which serve as tributaries to the Driggs River. Ross Creek, Black Creek and Mahoney Creek are all designated Type 10 BKT streams less than 50' width. A 300' buffer is recommended for Ross Creek, Black Creek and Mahoney Creek 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. The northern section of this compartment also contains two small unnamed waterbodies which serve as headwater reaches to the Black Creek. 100' plus 5' per 1% increase in slope; buffers are recommended for these unnamed waterbodies to protect shoreline areas in accordance with Best Management Practices.

The southern section of this compartment contains Ross Creek, Black Creek, Driggs River, Buck Lake and Driggs Lake. Ross Creek, Black Creek, and the Driggs River are all designated Type 10BKT streams less than 50' width. 300' buffers are recommended for Ross Creek, Black Creek and the Driggs 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. 100' plus 5' per 1% increase in slope; buffers are recommended for Driggs Lake and Buck Lake to protect shoreline areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Located in northern Schoolcraft County, this compartment is best suited for management of forest interior species. The compartment contains several small streams, pond and lakes that are attractive to a variety of waterfowl, beavers, and the occasional moose. The large amount of acreage covered by northern hardwood forest on both public and private lands provides a good opportunity to manage for age and structural diversity within a largely deciduous forest landscape. Wildlife goals include protection of stream bank corridors, promotion of super-canopy conifer trees, and maintenance of the deciduous forest canopy.

Mineral Resource and Development Concerns and/or Restrictions

Sections 7-8, 17-21, & 28-29, T47N-R15W, Schoolcraft Co.

Sand/gravel pits are not found in the general area, but there appears to be some sand & gravel potential within the compartment. There is no known metallic mineral potential in this area no known potential for economic hydrocarbon production in the UP. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or

develop their mineral rights.

Vehicle Access:

Co.Rd 450 is the southern boundary to the compartment. Two tracks from old timber sales on State land and private have develop a fairly good road system. North part of compartment can be accessed from the far North.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Two State campgrounds are within 5 miles of the compartment. With fishing opportunities on the Driggs River.

Fire Protection:

The majority of the timber is hardwood with some lowland conifers

Additional Compartment Information:

The following reports from the Inventory are attached:

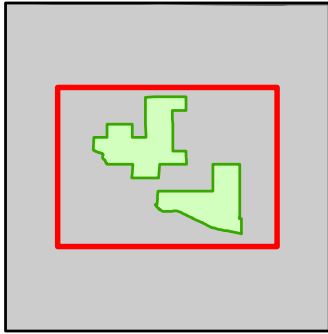
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

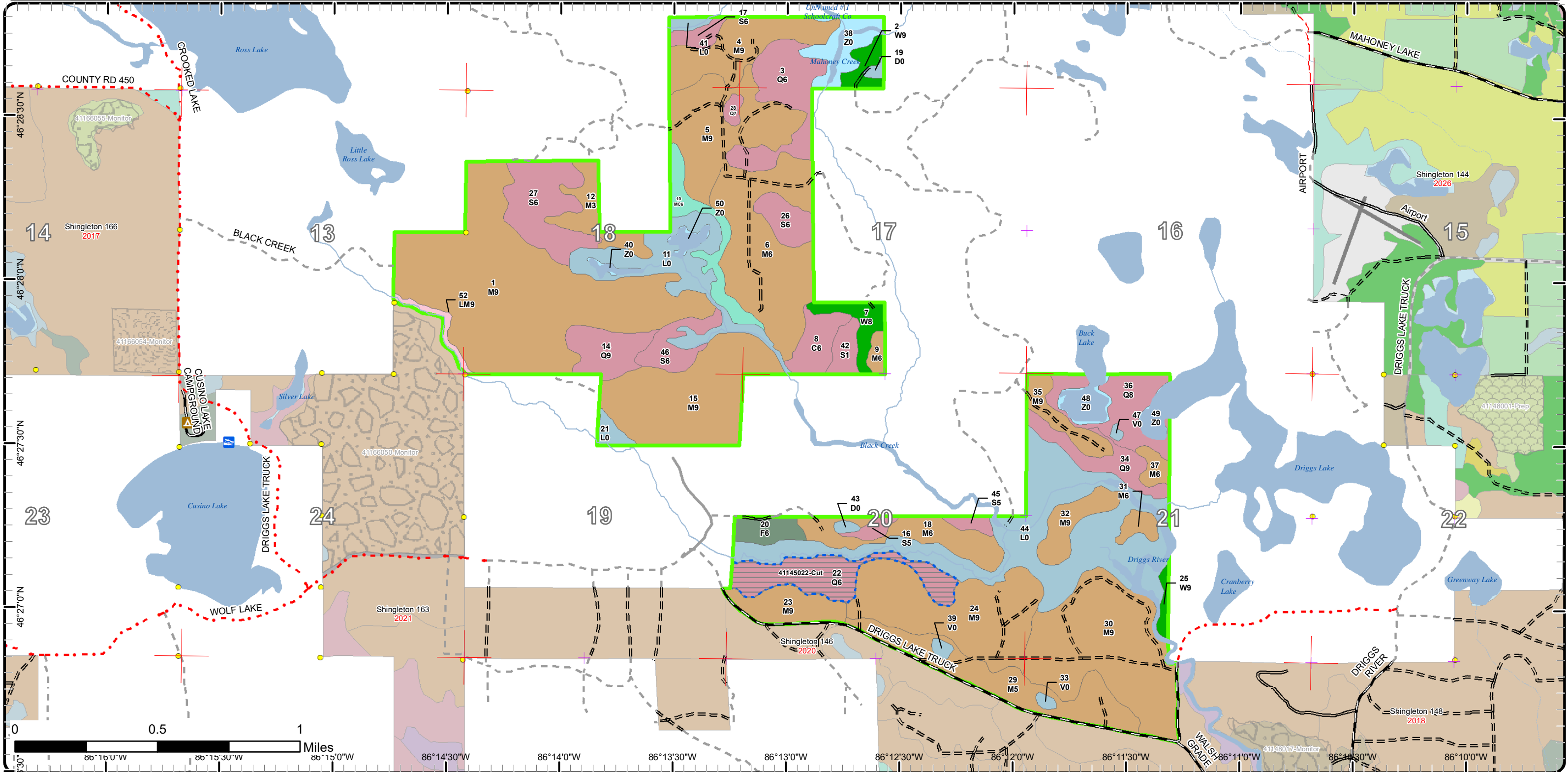
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 145
 T47N, R15W, Sec: 7, 8, 17-21,
 28, 29
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2021
 Acres: 1629.9 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 9/20/2023
 Map Phase: Post Review

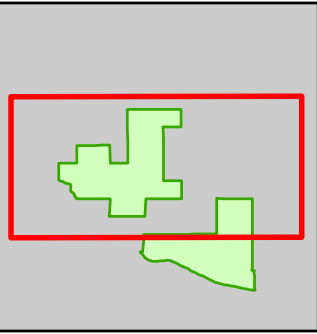


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Boating Access Site
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub

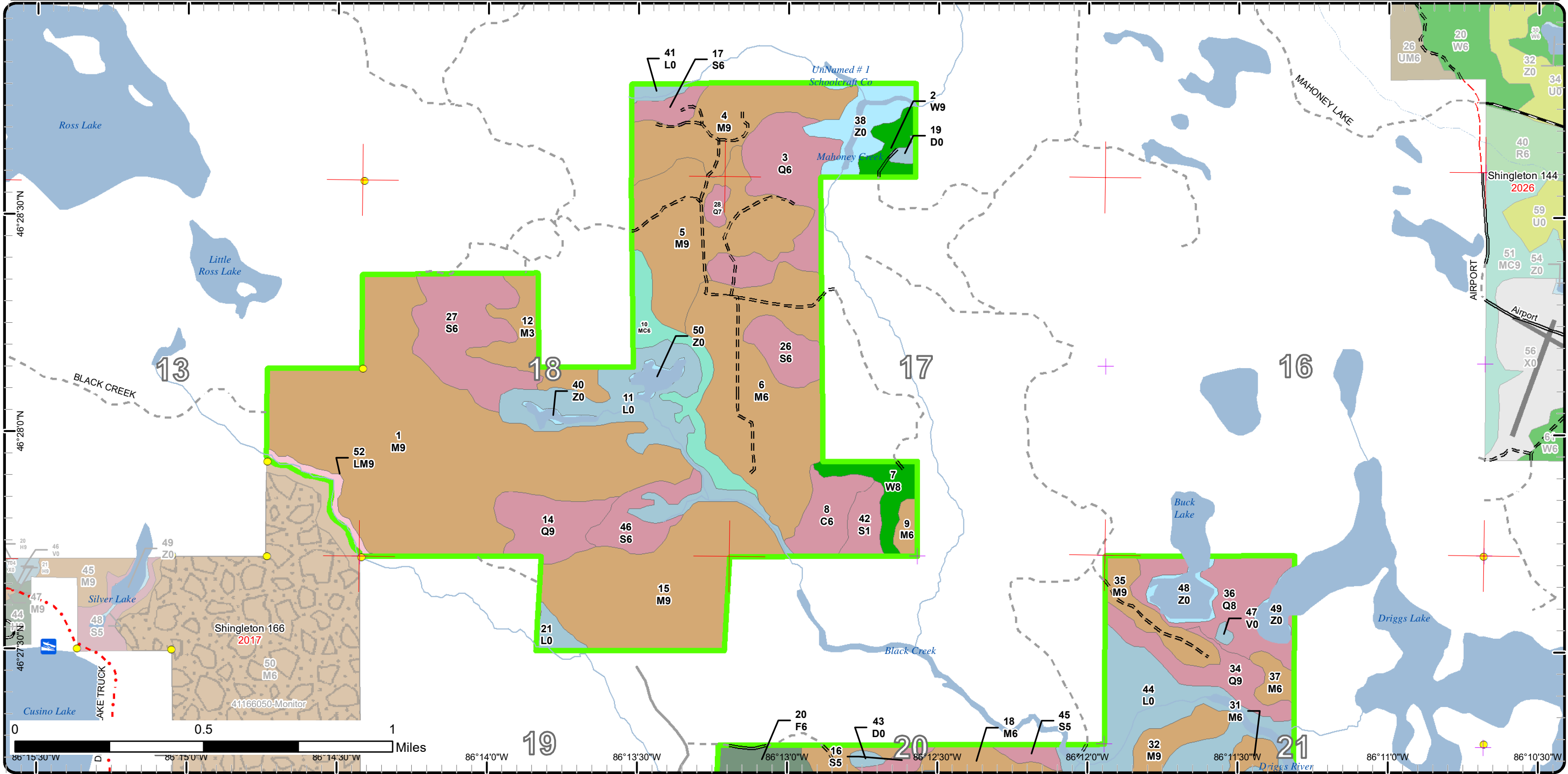


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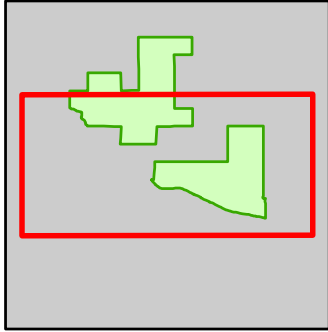


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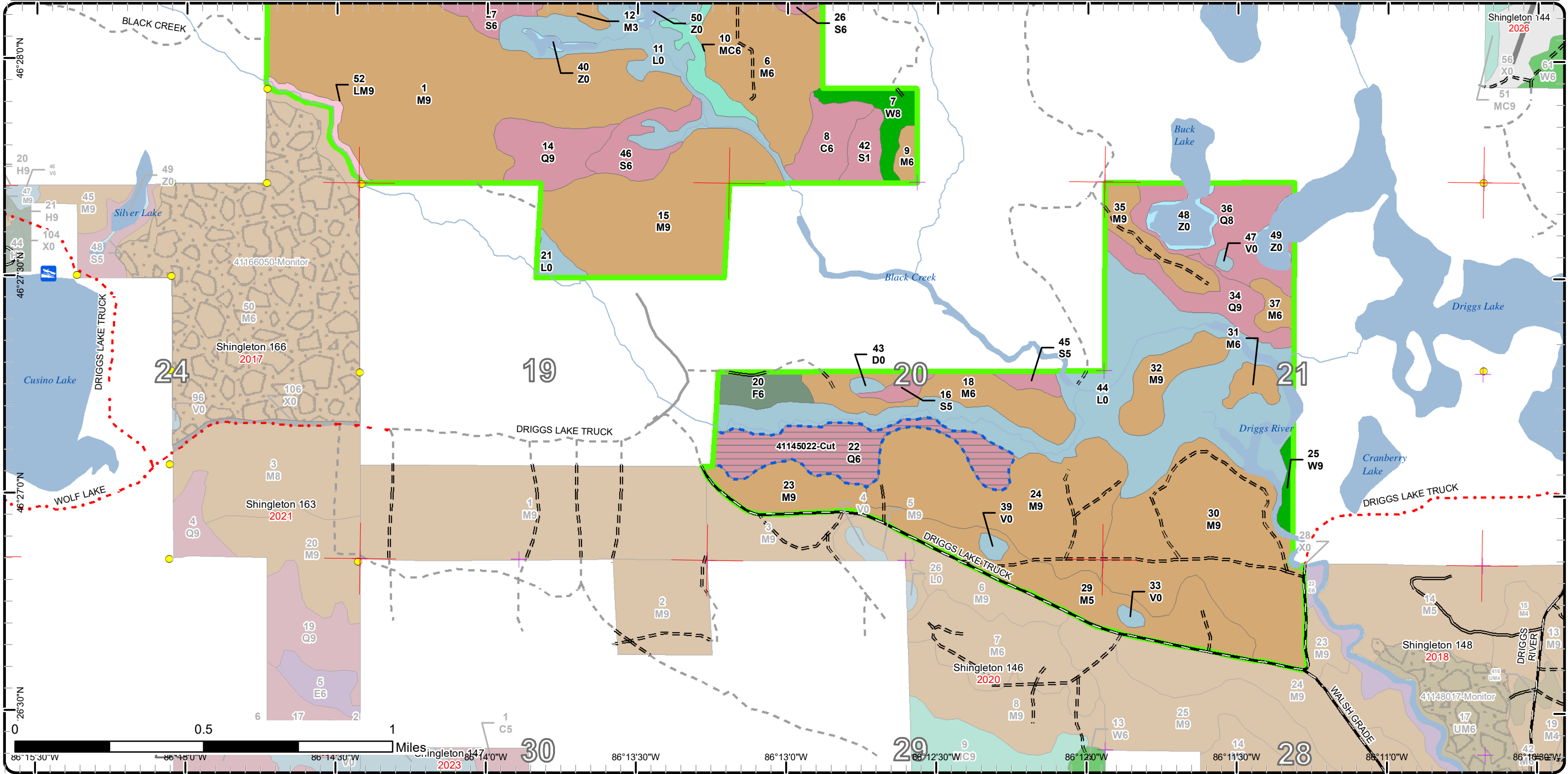


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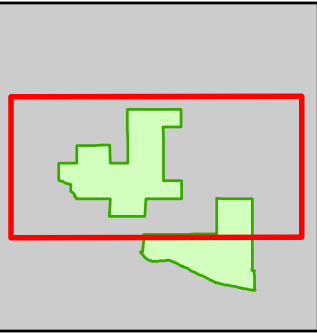


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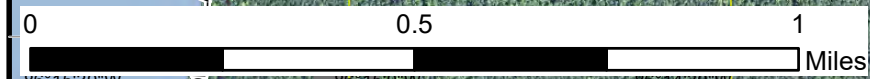
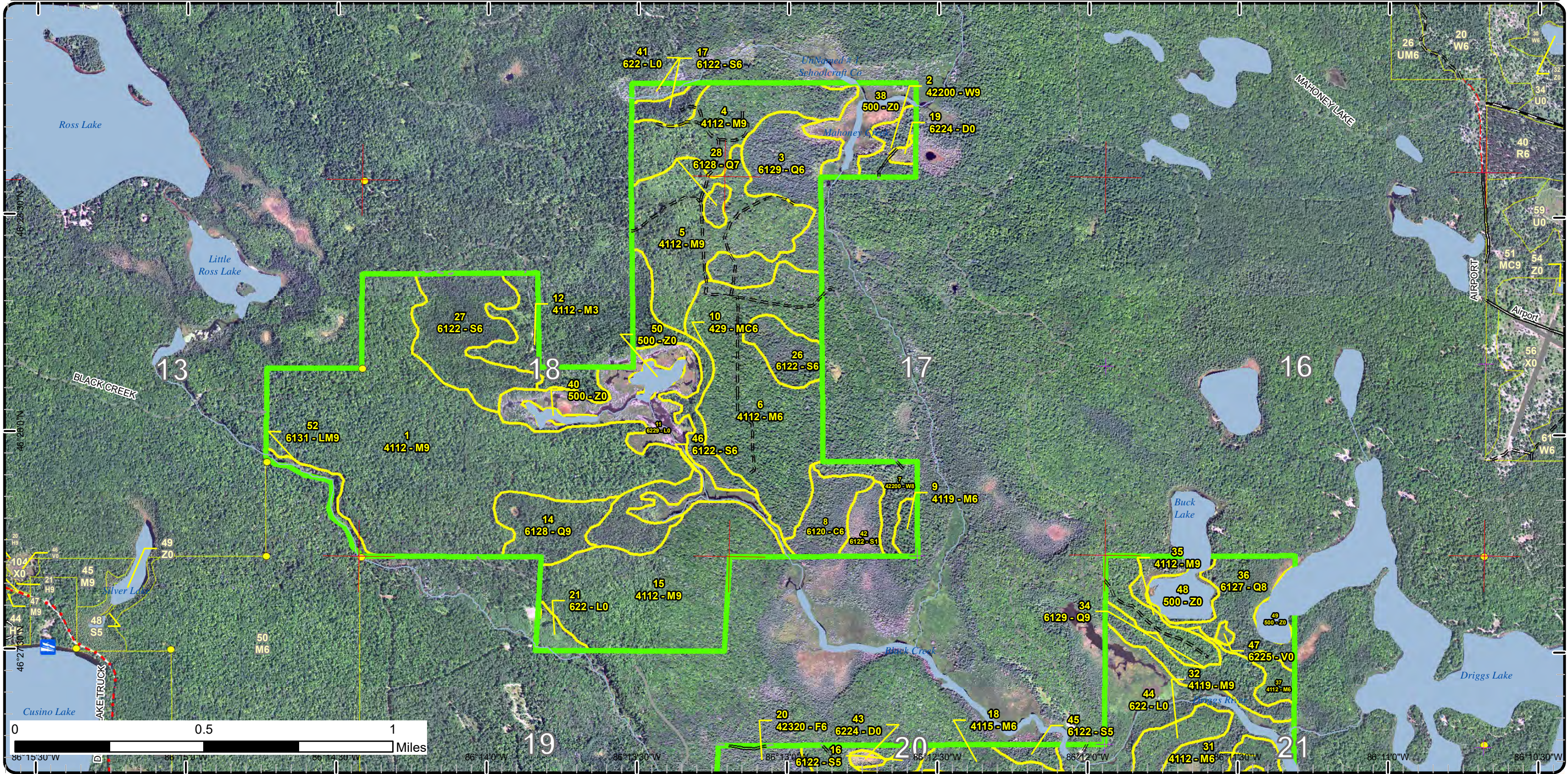


Stand Boundary Map

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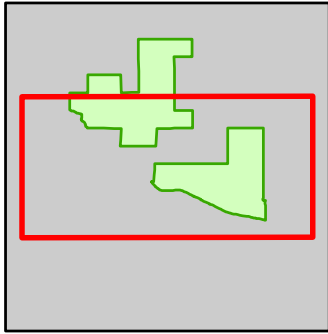
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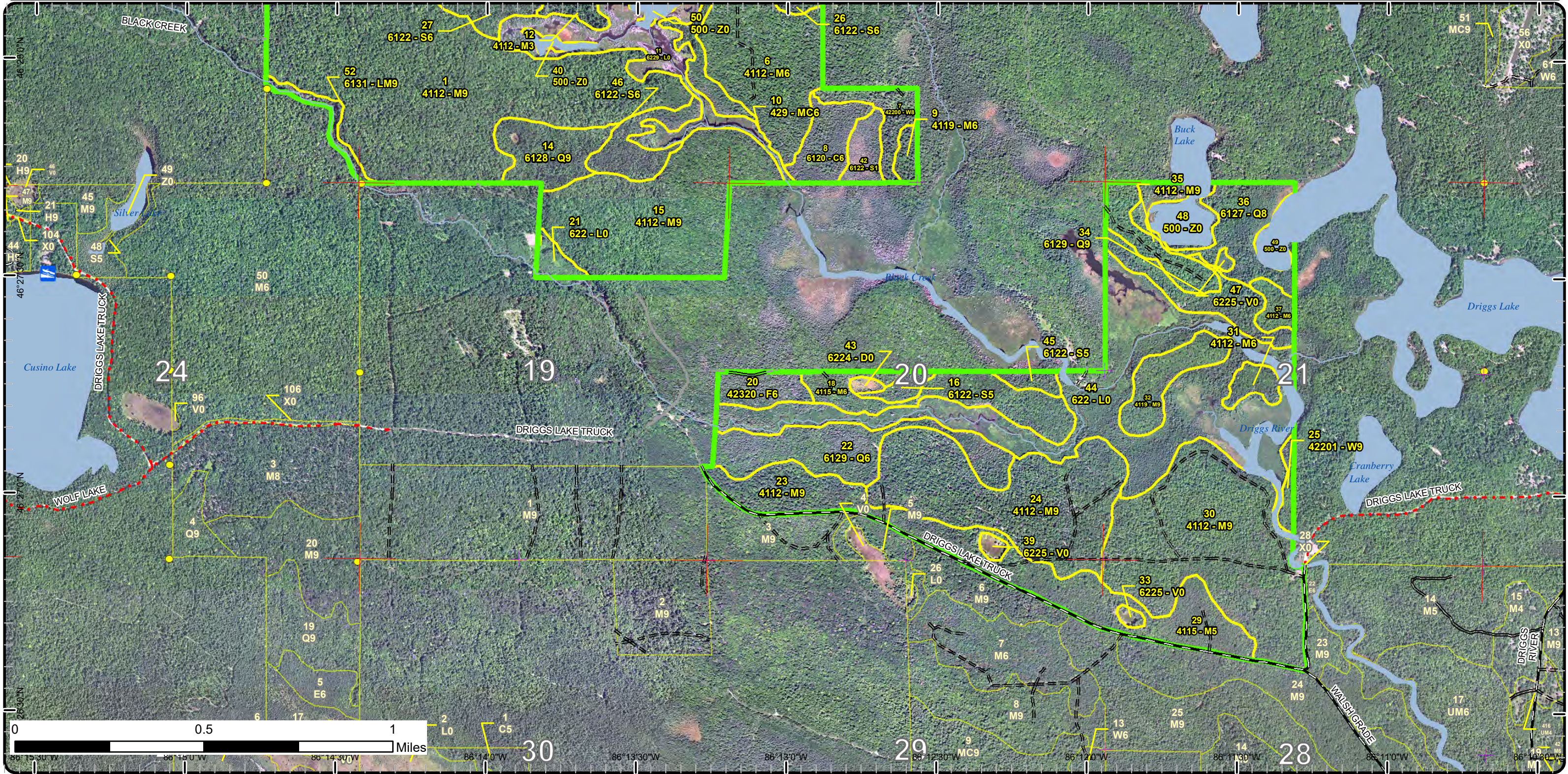
36° 15' 30" W
86° 15' 0" W
86° 14' 30" W
86° 14' 0" W
86° 13' 30" W
86° 13' 0" W
86° 12' 30" W
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86° 11' 30" W
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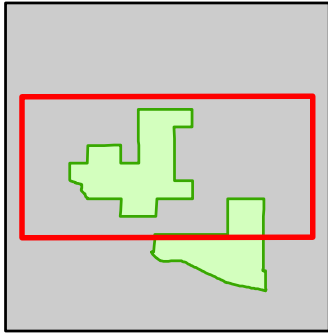


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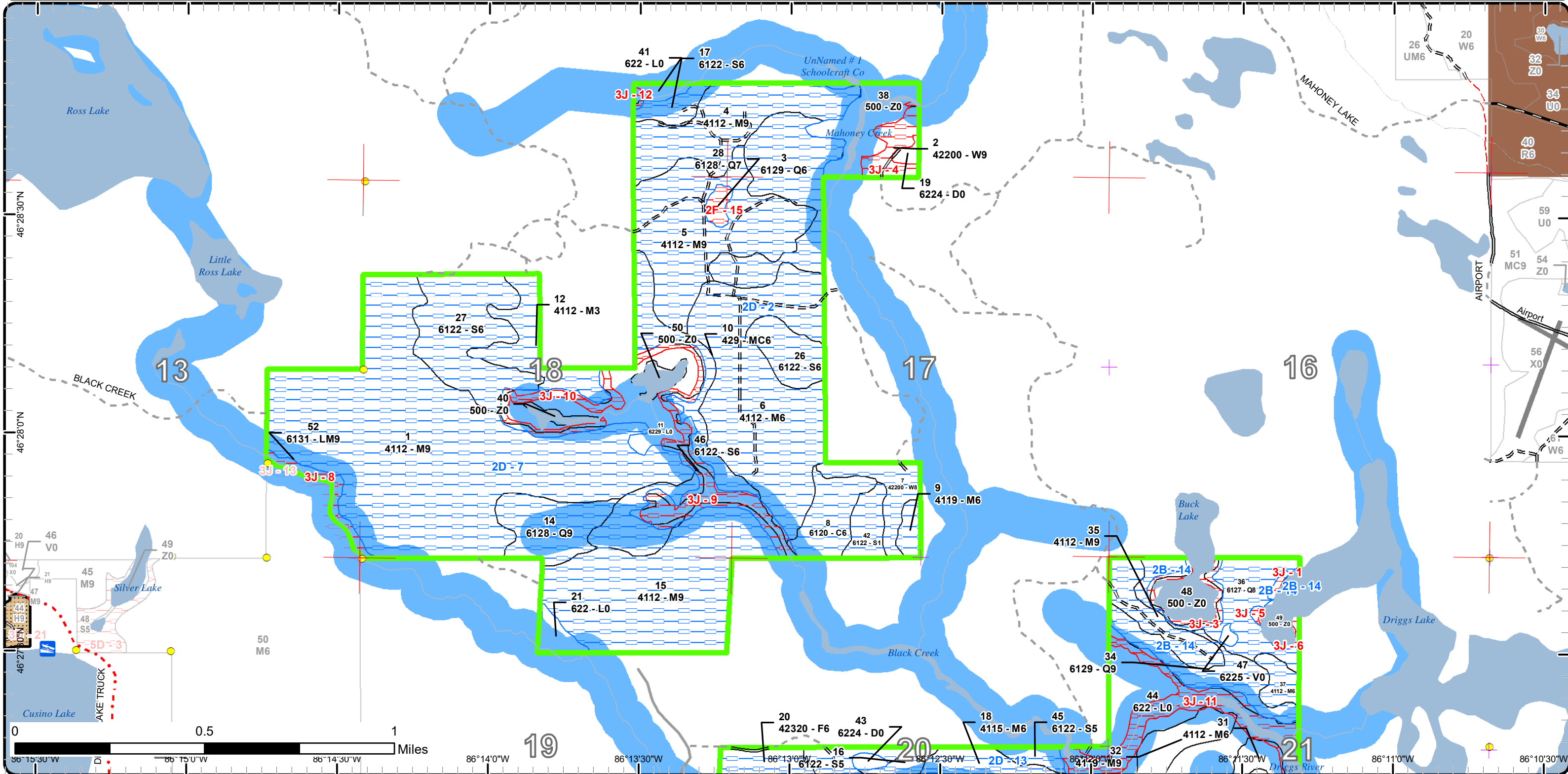


Special Conservation Areas

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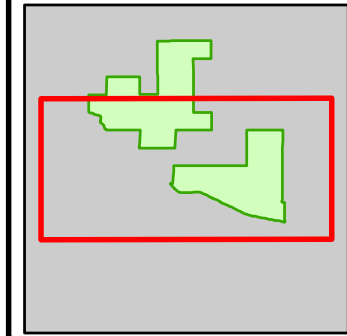


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- Airports
- Compartment Boundary
- Available w/ Constraints
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- Unavailable
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Wildlife Management Areas
- State Forest Campground

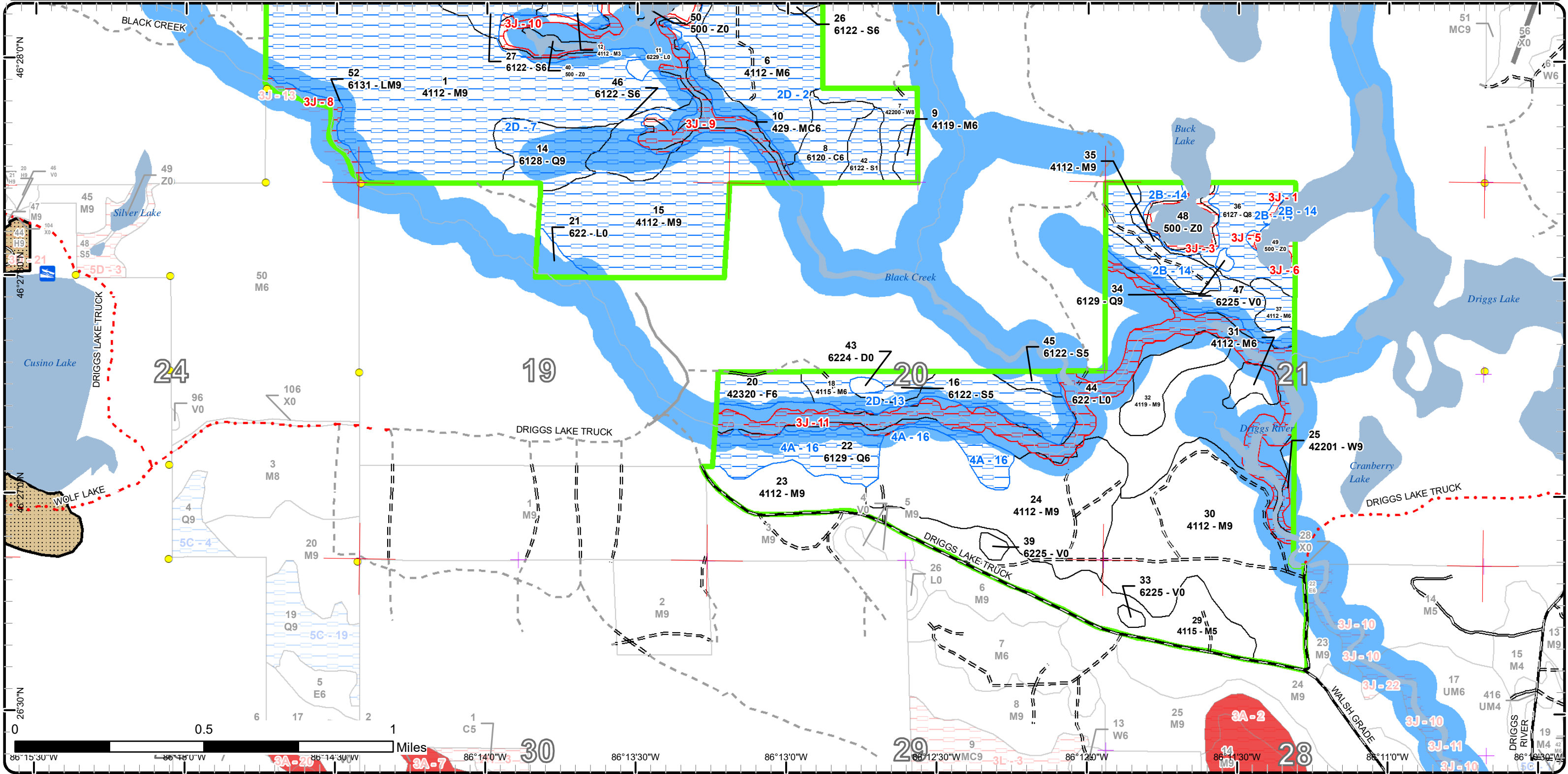


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- Available w/ Constraints
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 4A: No Markets Available for these Forest Products
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams



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
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	0	44	0	68	0	0	0	0	0	0	0	0	0	65	177
Lowland Mixed Forest	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Lowland Shrub	218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218
Lowland Spruce/Fir	0	0	0	0	0	0	0	99	10	0	0	0	0	0	0	0	0	0	109
Northern Hardwood	0	0	28	0	0	0	0	172	230	0	0	0	0	0	0	0	0	541	970
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Conifers	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
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	0	0	0	0	0	0	15	0	0	10	5	30	
Total	281	0	0	28	0	0	44	0	382	247	0	0	0	15	0	0	10	624	1630



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 145
Total Compartment Acres: 1,630

Commercial Harvest -
Harvests with Site Condition - 45
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
Lowland Conifers		45	0	0	0	0	0	0	0	0	45
	Total	45	0	0	0	0	0	0	0	0	45

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		45	0	0	0	0	0	0	0	0	45
Next Step		0	0	0	0	0	45	0	0	0	45
	Total	45	0	0	0	0	45	0	0	0	90



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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Approved Treatments:

22	41145022-Cut	44.9	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	74	111- 140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Two-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and cedar. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any mix of trees <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> No Markets <u>Proposed Start Date:</u> 10/1 /2020</p>											

Total Treatment 44.9
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin : Examiner

Compartment: 145
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions					
		With Condition			2B	2D	4A	2F	3J	
6	6	0		0	Bog					
19	0	19		0	Cedar		19			0
177	0	161		16	Lowland Conifers	50	70	40	4	12
7	0	0		7	Lowland Mixed Forest					7
218	123	0		95	Lowland Shrub					95
110	0	106		3	Lowland Spruce/Fir		106			3
971	330	629		11	Northern Hardwood	25	604			11
4	4	0		0	Treed Bog					
24	0	21		3	Upland Conifers		21			3
13	0	13		0	Upland Spruce/Fir		13			
53	49	0		4	Water		0			4
30	3	15		12	White Pine		15			12
1,630	514	964		152	Total Forested Acres	75	849	40	4	148
	32%	59%		9%	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	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	355	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: very wide crossing, need to find out what size bridge is needed. Also crossing is on Private land, we do have easement but does that allow us to install a bridge? Coming in from North is unknown and very difficult as well.							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 145

Year of Entry: 2021

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	435	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: very wide crossing, need to find out what size bridge is needed. Also crossing is on Private land, we do have easement but does that allow us to install a bridge? Coming in from North is unknown and very difficult as well.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 145

Year of Entry: 2021

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	82	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	58	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: very wide crossing, need to find out what size bridge is needed. Also crossing is on Private land, we do have easement but does that allow us to install a bridge? Second landowner with no easement when coming from North, access from south would need bridge as well.							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	75	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Gated access on private property.							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin : Examiner

Compartment: 145
Year of Entry: 2021

15	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	4A: No Markets Available for these Forest Products	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	230.2	88	51-80	N/A	Thinned in 1998. Bridge needed for access.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	XLog/Log	18		Balsam Fir	
Beech		5	Log/Pole	10		Beech	
Red Maple		90	Log/Pole	10	88	Sugar Maple	
						Red Maple	
						Density	
						Avg. Height	
						Size	
2	42200 - Natural White Pine	Sawtimber Well	10.2	158	51-80	N/A	Shelterwood done in '76. Scattered large hemlock. Clumps of maple regeneration. White pine and hemlock scattered in the understory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		60	XLog/Log	18	158	Hemlock	
Hemlock		20	XLog/Log	18		Beech	
Black Spruce		15	Pole	6	47	Balsam Fir	
Balsam Fir		5	Pole	6		White Pine	
						Black Spruce	
						Density	
						Avg. Height	
						Size	
3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	44.1	58	51-80	N/A	OPIC: Stand was picked through in the '60's, removing spruce and fir.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		20	Log	16		Red Maple	
Red Maple		15	Pole	8		Beech	
Tamarack		5	Pole	8		Hemlock	
Balsam Fir		5	Pole	6		Black Spruce	
Hemlock		25	Log/Pole	14		Balsam Fir	
Black Spruce		30	Pole	8	58		
						Density	
						Avg. Height	
						Size	
4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	47.2	72	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		3	Log/Pole	12		Beech	
Red Maple		80	Log/Pole	10	72	Red Maple	
Black Cherry		6	Pole	8			
Sugar Maple		10	Log/Pole	10			
White Pine		1	Log/Pole	12			
						Density	
						Avg. Height	
						Size	
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71.0	78	51-80	N/A	Hilly ground.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Cherry		5	Log	14		Red Maple	
Beech		10	Log	14		Beech	
Red Maple		85	Log/Pole	10	78	Balsam Fir	
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
6	4112 - Maple, Beech, Cherry Association	Poletimber Well	100.5	78	51-80	N/A	OPIC - FMD: UPDATED TCR 1/11/99 - 026-94-01. Sparse large white pine and hemlock through out the stand.																																														
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7	42200 - Natural White Pine	Sawtimber Medium	14.6	128	81-110	N/A	cut in 2003.																																														
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8	6120 - Lowland Cedar	Poletimber Well	18.8	79	51-80	N/A	Cedar dominate in the north portion transitioning to a mix of conifers in south portion.																																														
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9	4119 - Mixed Northern Hardwoods	Poletimber Well	5.1	20	51-80	N/A																																															
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10	429 - Mixed Upland Conifers	Poletimber Well	23.9	79	141-170	N/A																																															
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11	6229 - Mixed lowland shrub	Nonstocked	54.0		Unspecified	No	OPIC - FMD: Area includes Black Creek and a couple ponds.																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 4112 - Maple, Beech, Cherry Association Sapling Well 23.2 20 Immature N/A Cut in 2003.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	8	Log	14	78
Red Maple	85	Sapling	2	20
Hemlock	7	Log	14	

14 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 25.7 139 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	30	Pole	8	
Yellow Birch	2	Log	14	
Hemlock	40	Log/XLog	16	139
Red Maple	18	Pole	8	
Balsam Fir	10	Pole	8	

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

15 4112 - Maple, Beech, Cherry Association Sawtimber Well 99.2 78 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	85	Log/Pole/Sap	10	78
Hemlock	5	Log	14	
Sugar Maple	10	Log/Pole/Sap	10	

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

OPIC - FMD: Treated in '81. A good road system already exist. Access was through PVT to the south. The bridge is still there but because of snow the condition is unknown. Large white pine and hemlock scattered through out. Large hemlock were removed in '47.

16 6122 - Black Spruce Poletimber Medium 5.2 74 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	1	Pole	8	
Black Spruce	95	Pole	8	74
White Pine	4	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	Variable	Sapling
Hemlock	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

OPIC: Scattered large white pine and hemlock. Some fir is mixed in.

17 6122 - Black Spruce Poletimber Well 7.9 73 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Log	14	
Black Spruce	68	Pole	8	73
Balsam Fir	5	Pole	6	
Red Maple	5	Pole	6	
Beech	2	Pole	8	
White Pine	10	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

OPIC - FMD: Stand was picked through sometime in the '50's. Stand is wet. Timber is patchy. On the higher knolls there is poor white pine and yellow birch..



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 4112 - Maple, Beech, Cherry Association Sawtimber Well 97.1 78 81-110 N/A Cut in 2013. Previous cut was very heavy and used a dozer to scratch in trails everywhere to promote yellow birch regen. This was very successful.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	80	Log/Pole	12	78	Red Maple	Medium	Variable	Sapling
Yellow Birch	10	Pole	6		Balsam Fir	Medium	Variable	Sapling
Black Cherry	5	Log/Pole	10		Beech	Medium	Variable	Sapling
Sugar Maple	5	Log/Pole	10		Sugar Maple	Low	Variable	Sapling

25 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 4.7 105 201+ N/A OPIC - FMD: Buffer for the Driggs River

26 6122 - Black Spruce Poletimber Well 15.8 79 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole	8		Red Maple	Low	Variable	Sapling
Black Spruce	65	Pole	8	79	Balsam Fir	Low	Variable	Sapling
Tamarack	25	Pole	8					

27 6122 - Black Spruce Poletimber Well 47.2 79 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Sapling/Pole/Log	14		Red Maple	Low	Variable	Sapling
Red Maple	4	Pole	6		Northern White Cedar	Low	Variable	Sapling
Black Spruce	50	Pole	8	79				
Northern White Cedar	35	Pole	8					
Hemlock	1	Pole/Log	8					

28 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Poor 3.6 99 51-80 N/A Kettle hole with mixed conifer on steep slope edge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5	Log	14		Balsam Fir	Medium	Variable	Sapling
Hemlock	25	Log	16		Red Maple	Medium	Variable	Sapling
Red Maple	30	Log	12	99				
Black Spruce	15	Pole	8					
Balsam Fir	25	Pole	6					

29 4115 - Y.Birch, Hemlock NH Poletimber Medium 60.5 78 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Log	9	78	White Pine	Medium	Variable	Sapling
Black Cherry	20	Pole/Log	9		Red Maple	Medium	Variable	Sapling
White Pine	5	Log	14		Beech	Medium	Variable	Sapling
Yellow Birch	30	Pole	6		Black Cherry	Medium	Variable	Sapling
Sugar Maple	5	Pole/Log	9		Sugar Maple	Low	Variable	Sapling
					Yellow Birch	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
30	4112 - Maple, Beech, Cherry Association	Sawtimber Well	122.4	78	81-110	N/A	OPIC - FMD: Treated in '93 with an underplanting of white pine and red oak.																																																												
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31	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.2	78	51-80	N/A	Hardwood island with slopes heavy to hemlock.																																																												
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32	4119 - Mixed Northern Hardwoods	Sawtimber Well	20.4	78	51-80	N/A	Island surrounded by lowland, stand is a hardwood ridge with a heavy fir component.																																																												
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33	6225 - Bog	Nonstocked	1.9		Unspecified	No																																																													
34	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	23.0	75	51-80	N/A	Rolling terrain, dominated by black spruce over all.																																																												
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35	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.6	78	51-80	N/A	Thinned in 95'																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	6127 - Lowland Pine	Sawtimber Medium	35.2	97	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	8		White Pine	
Hemlock		15	Log/Pole	12		Balsam Fir	
Red Maple		25	Log/Pole	10		Beech	
White Pine		50	Log/Pole/XLog	16	97		
Balsam Fir		5	Pole	8			
37	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.0	78	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		1	XLog/Log	18		Balsam Fir	
Red Maple		88	Pole/Log/Sap	8	78	Red Maple	
Hemlock		1	Log	12		Beech	
Balsam Fir		10	Pole	6			
38	500 - Water	Nonstocked	22.7		Unspecified	No	Flooded site, killed the stand, edges are seeding in with white pine, 5-10ft tall.
39	6225 - Bog	Nonstocked	2.5		Unspecified	No	
40	500 - Water	Nonstocked	2.9		Unspecified	No	OPIC - FMD: OI Stand Year Origin was
41	622 - Lowland Shrub	Nonstocked	3.8		Unspecified	No	
42	6122 - Black Spruce	Sapling Poor	10.2	80	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Sapling	4		Northern White Cedar	
Tamarack		10	Sapling	4		Black Spruce	
Black Spruce		85	Sapling	4	80		
43	6224 - Treed Bog	Nonstocked	2.0		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low	Variable	Sapling			
44	622 - Lowland Shrub	Nonstocked	154.0		Unspecified	No	OPIC - FMD: This low stand contains Ross Creek and the start of the Driggs River



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
45	6122 - Black Spruce	Poletimber Medium	5.0	74	81-110	N/A																																									
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46	6122 - Black Spruce	Poletimber Well	18.4	74	81-110	N/A																																									
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47	6225 - Bog	Nonstocked	1.2	0	Unspecified	No																																									
48	500 - Water	Nonstocked	14.4		Unspecified	No																																									
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52	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	6.6	85	81-110	N/A	OPIC - FMD: Ross Creek goes through the stand. The stand includes the short, steep hill & the flat area next to the creek. This stand was left as a buffer when logging the adjacent stands.																																								
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