



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41066

Entry Year 2024

Acreage: 1,564

County Schoolcraft

Management Area: Lake Michigan Shoreline

Stand Examiner: Thomas Burnis

Legal Description:

T41N R13W Sections 4,5,7,8,9; T42N R13W Section 32

Identified Planning Goals:

The main goal in this compartment is to conduct sound multiple resource management for the good of the citizens of the State of Michigan.

Soil and topography:

The soils data in this area is very limited, the upland ridges are well drained sands the lower types are unknown. The northern portion of the compartment lies within the Buried Moraine Land Type Association (LTA) and the southern portion lies within the Lake Beds LTA. The topography throughout the area was cast by glacial movements.

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

McDonald Lake is built up with both summer and year round homes. The compartment is contiguous to the south and has small non-contiguous state acreage along east side of McDonald Lake. Land use in the area is very limited.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory.

Archeological, Historical, and Cultural Features:

None Known.

Special Management Designations or Considerations:

All of sections 7, 8 and west part of 9 are part of a Wooden Dune and Swale Ecological Reference Area. In addition, a large portion of the compartment is within the Critical Dunes HCVA and a Deer Wintering Complex SCA.

Watershed and Fisheries Considerations:

This compartment contains McDonald Lake, Bulldog Creek, and a series of small inland waterbodies scattered through the southern region. 100' plus 5' per 1% increase in slope; buffers are recommended for McDonald Lake, Bulldog Creek, and the small inland waterbodies to protect shoreline and shoreland areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the St. Ignace sub-subsection. The growing season last approximately 130 days. Extreme winter low temperature approaches -460 F. Annual snowfall averages 80 inches. The compartment falls within the Lake Michigan Shoreline Management Area which highlights the following Featured Species: Piping plover and white-tailed deer. Most of this compartment lies within the dune and swale complex associated with the Lake Michigan shoreline. General Land Office (GLO) Surveyor notes show the circa 1850 upland forest consisted primarily of white pine and red pine. Lowlands held spruce, balsam fir, tamarack, and cedar. Windthrow was likely the major natural disturbance regime. Current upland forests have shifted to jack pine and red pine. Lowlands are similar to pre-settlement conditions. Deer are distributed throughout this compartment during winter months. The majority of this compartment has been nominated for potential old growth designation. Wildlife habitat objectives in this compartment include maintaining the integrity of the dune and swale complex, providing natural functioning systems within the dune and swale complex, and maintaining closed canopy conifer for yarding deer. Although not recorded, there are possibilities of occurrence for many rare species. Other wildlife species of interest that may utilize this compartment include garter snake, gray jay, spruce grouse, least chipmunk and coyote.

Mineral Resource and Development Concerns and/or Restrictions

Sections 4-5 & 7-9 T41N-R13W and Section 32, T42N-R13W, Schoolcraft County

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. High-purity dolomite is produced at the southern Port Inland Quarry one mile east, and east of that Graymont produces lime. While there is potential for the same resources beneath the compartment, mineral

development is unlikely. Much of the compartment is a designated Critical Dune Area and is protected from mineral extraction activities, and other isolated portions of the compartment are not conducive to surface mining. No current mineral leasing activity exists in the area.

Vehicle Access:

There is no vehicle access to the southern portion of the compartment. To access the east side of McDonald Lake access is across private land

Survey Needs:

None

Recreational Facilities and Opportunities:

There are no recreational facilities within this compartment however, there are several recreational opportunities including hunting and fishing.

Fire Protection:

There are no recreational facilities within this compartment however, there are several recreational opportunities including hunting and fishing.

Additional Compartment Information:

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class
- Proposed Treatment Summary
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)

The following reports from the Inventory are attached:

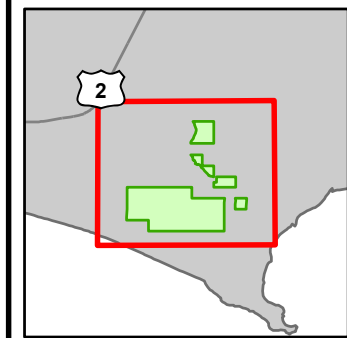
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

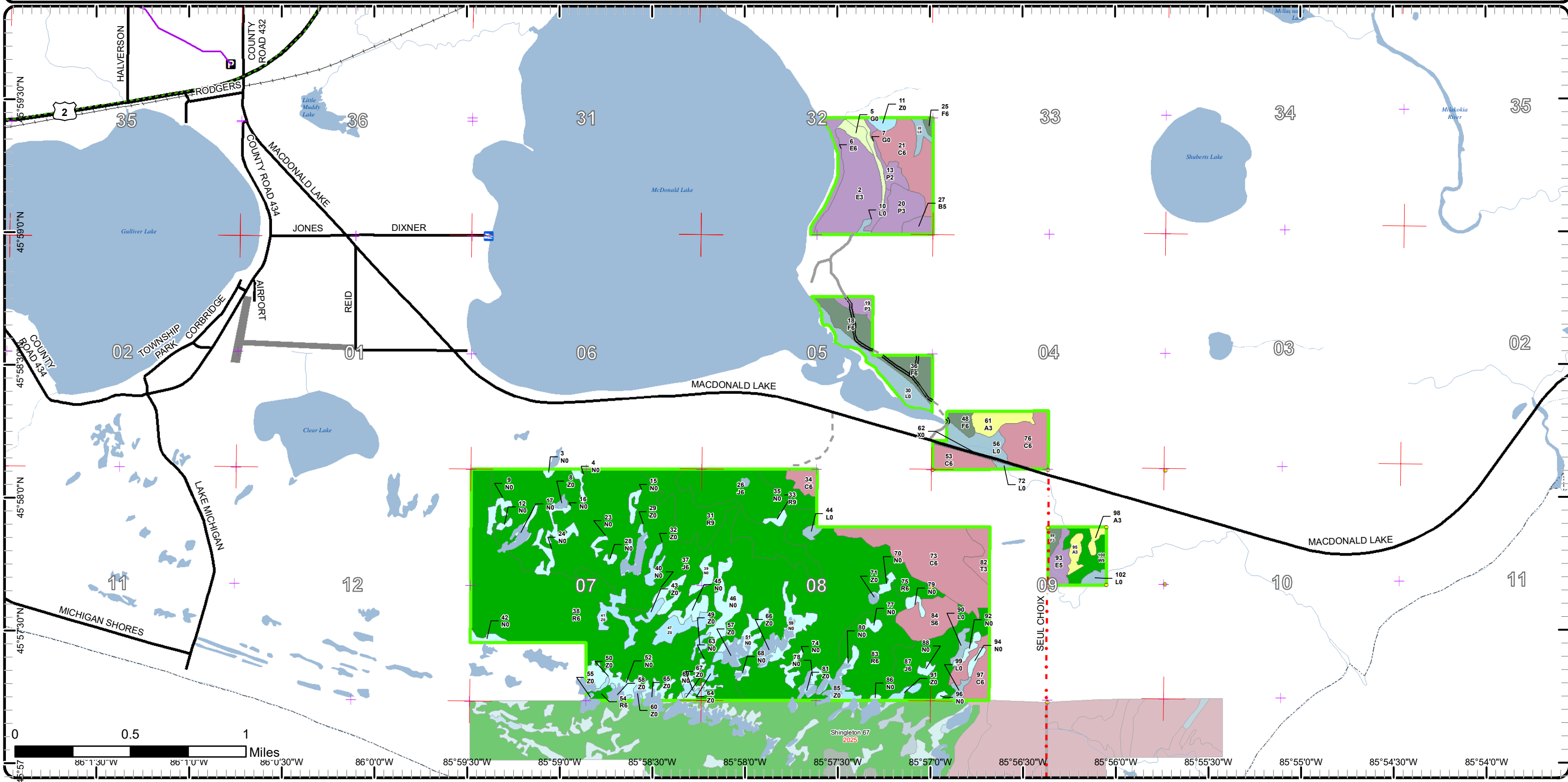
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 66
 T42N, R13W, Sec. 32
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Lake Michigan Shoreline
 YOE: 2024
 Acres: 1564.3 GIS Calculated
 Examiner: Thomas Burnis
 Map Revised: 8/17/2022
 Map Phase: Web Post

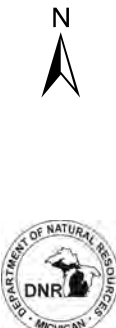
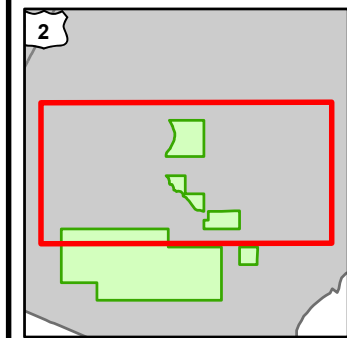


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Boating Access Site
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Airports
- Compartment Boundary
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

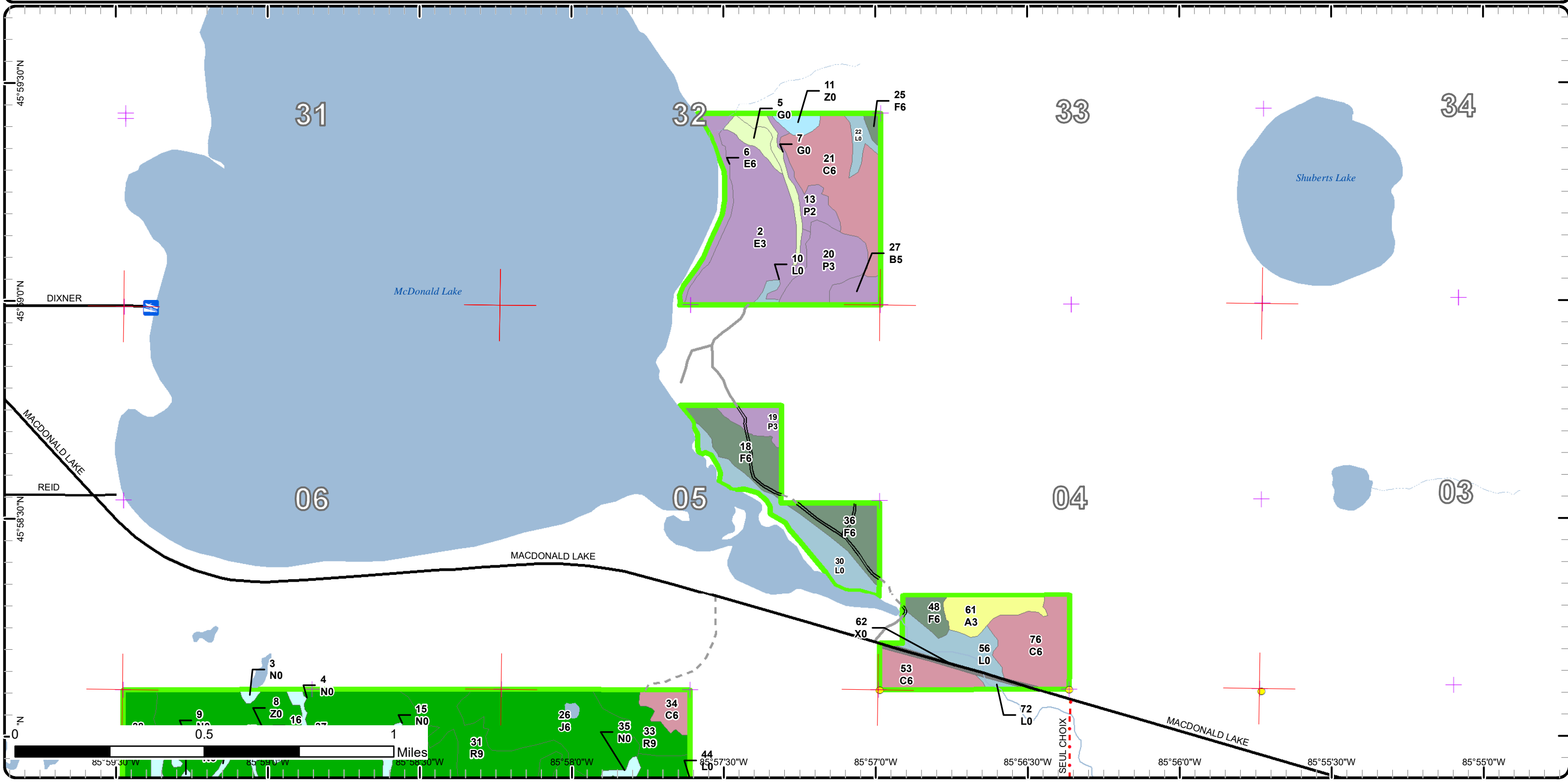


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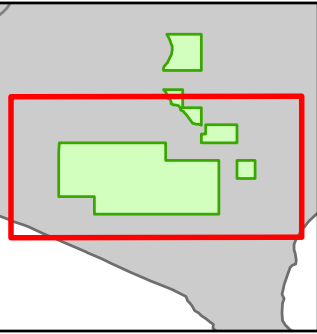


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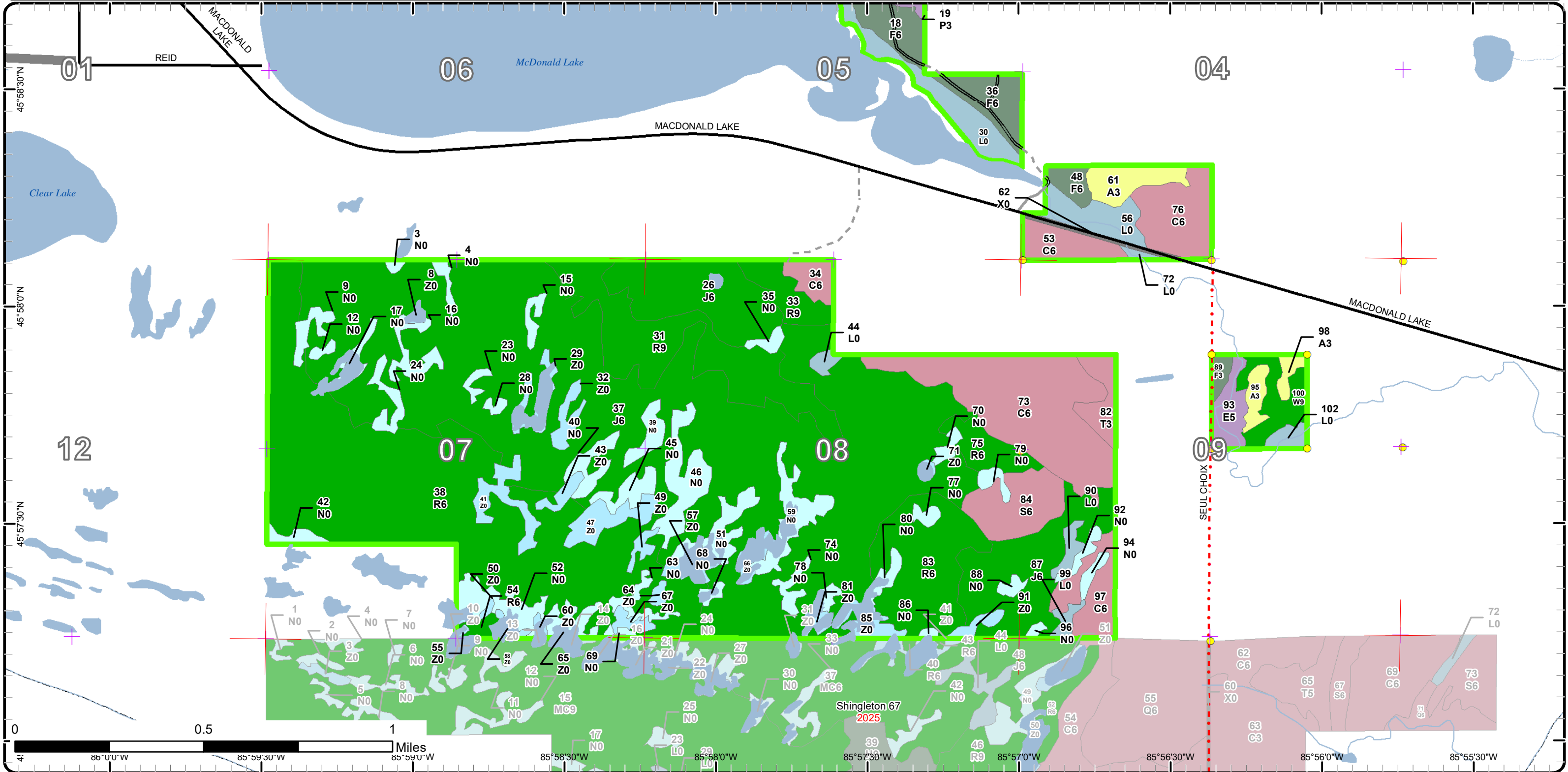


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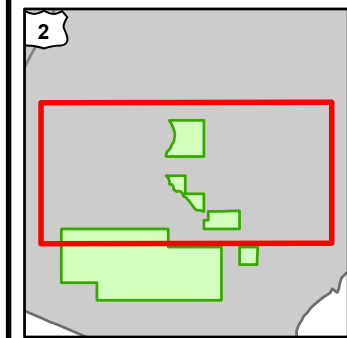


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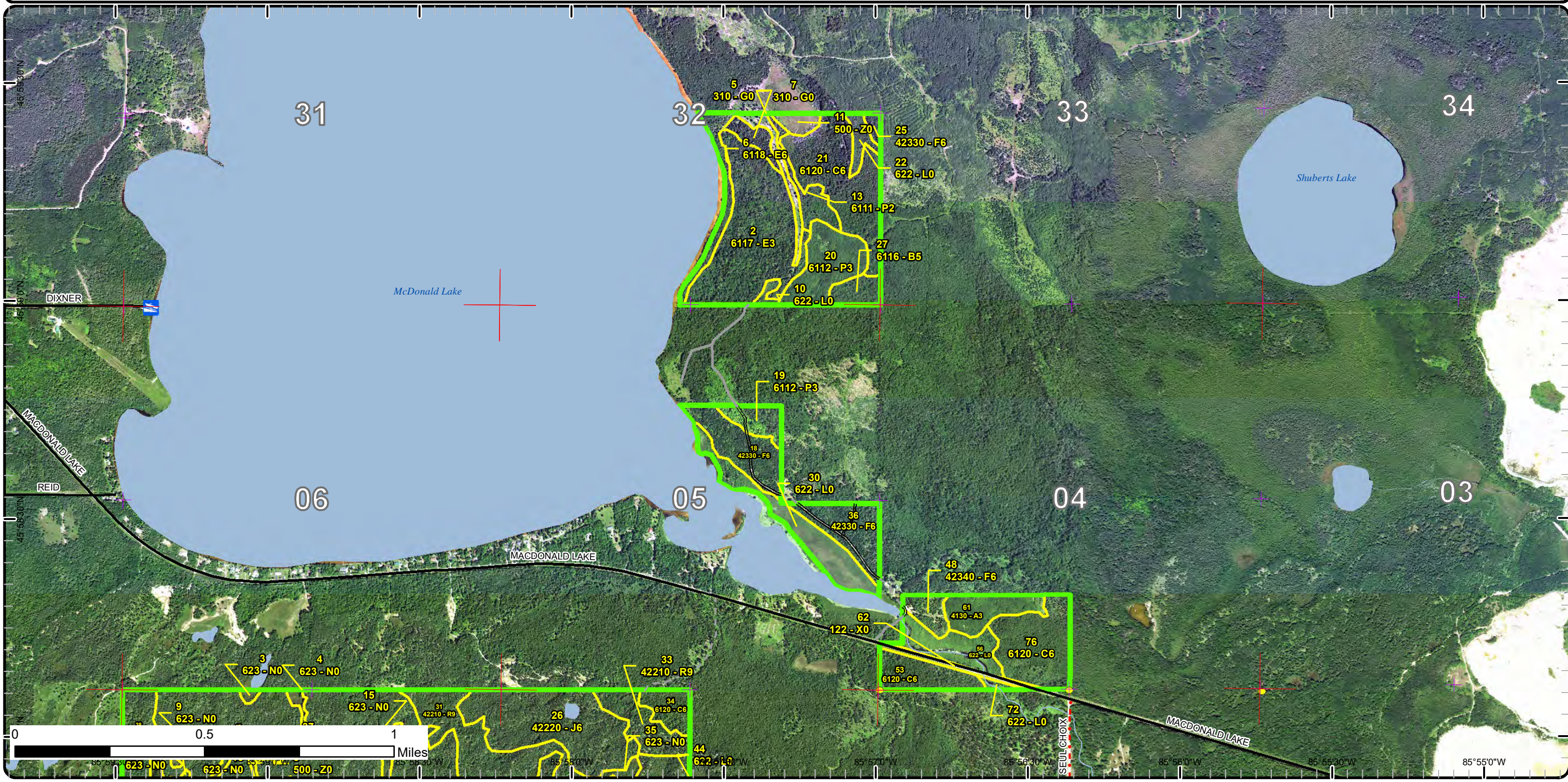


Stand Boundary Map

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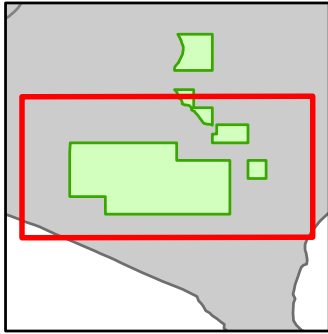


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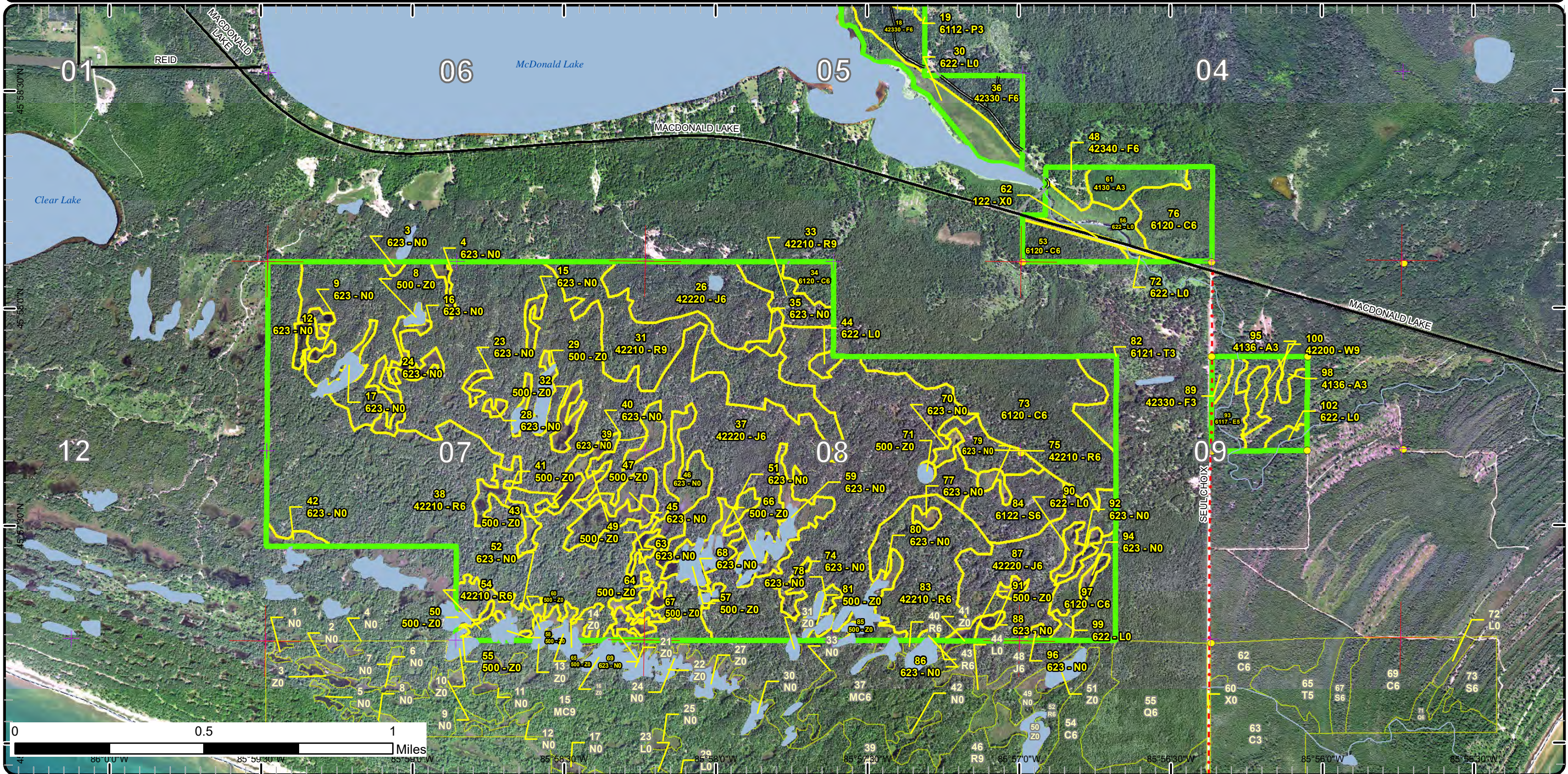


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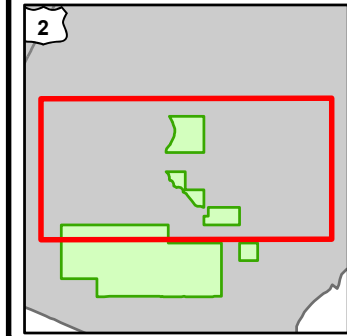


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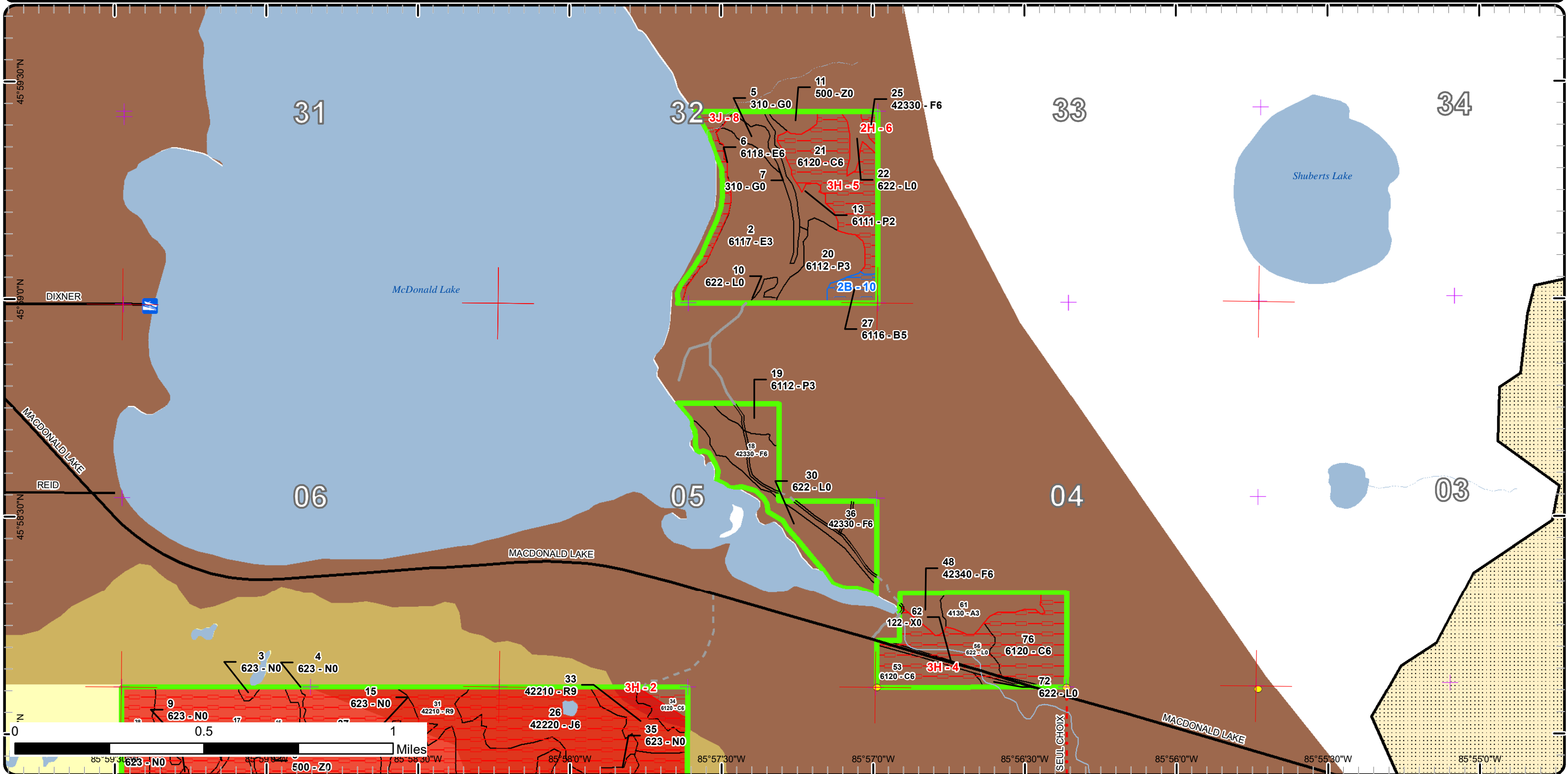


Special Conservation Areas

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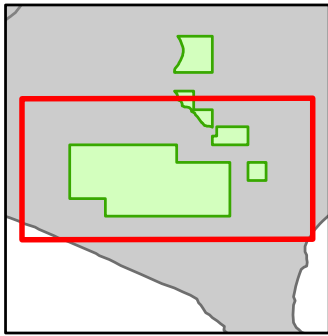


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- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Critical Dunes
- Deer Winter Range
- Sand or Gravel Pit

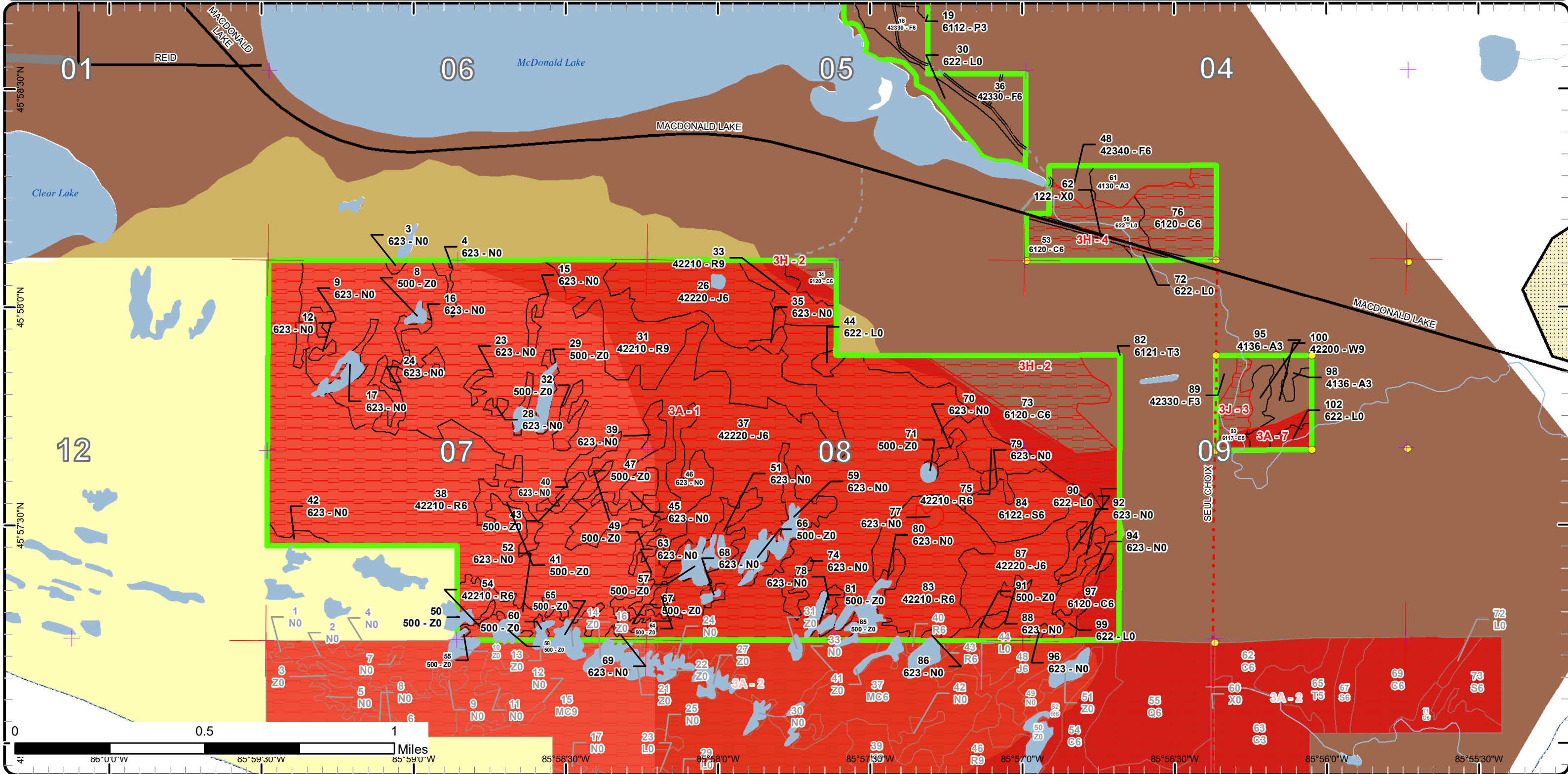


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Thomas Burnis : Examiner



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	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Cedar	0	0	0	0	0	0	0	0	0	0	0	81	43	0	0	13	34	0	171
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Jack Pine	0	0	0	0	0	0	0	0	535	0	0	0	0	0	0	0	0	0	535
Lowland Aspen/Balsam Poplar	0	14	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Deciduous	0	51	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	69
Lowland Shrub	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Lowland Spruce/Fir	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	23
Marsh	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132
Paper Birch	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Red Pine	0	0	0	0	0	0	12	352	0	0	0	0	0	0	0	0	0	0	364
Tamarack	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Upland Spruce/Fir	0	0	3	0	23	16	0	2	0	0	0	0	0	0	0	0	0	0	44
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
White Pine	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15
Total	274	65	42	0	23	26	0	18	946	0	0	81	43	0	0	13	34	0	1564



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2024

Compartment 66
Total Compartment Acres: 1,564

Acres of Harvest

Commercial Harvest -
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

S
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Mgt. Unit

Report 3 -- Treatments

Compartment:

Year of Entry:



Treatment
Name

Acres

Stand
CoverType

Size
Density

Stand
Age

BA
Range

Treatment
Type

Treatment
Method

Cover Type
Objective

Age
Structure

Habitat
Cut

Total Treatment 0
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 66
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions						
		With Condition				2B	2H	3A	3H	3J		
20	20	0		0	Aspen			0				
171	0	0		171	Cedar			53	118			
10	10	0		0	Herbaceous Openland							0
535	0	0		535	Jack Pine			535				
33	33	0		0	Lowland Aspen/Balsam Poplar							
69	51	0		18	Lowland Deciduous			2				16
53	26	0		27	Lowland Shrub			12	15			
23	0	0		23	Lowland Spruce/Fir			23				
132	2	0		130	Marsh			130				
6	0	6		0	Paper Birch	6						
364	0	0		364	Red Pine			364				
10	10	0		0	Tamarack							
44	42	0		2	Upland Spruce/Fir		2					
4	0	0		4	Urban				4			
74	4	0		71	Water			71				
15	11	0		4	White Pine			4				
1,564	209	6		1,349	Total Forested Acres	6	2	1,194	137	16		
	13%	0%		86%	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	3A: Conservation Values incompatible with harvest at this time	1,184	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
ERA							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 66
Year of Entry: 2024

2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Difficult access through private for small acreage and low volume.							
7	Unavailable	3A: Conservation Values incompatible with harvest at this time	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WDS ERA							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 66
Year of Entry: 2024

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Access too complicated for small acreage and volume of stand at this time.							

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.
HCVA	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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2	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	50.6	3	Immature	N/A	Stand was cut as part of McDonald Lake 2 Sale #41-016-14-01. TCR Date 4/26/2019.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Sapling	1		Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	5	Sapling	1		Balsam Fir	Low	< 5 feet	Sapling
Red Maple	45	Sapling	2	3				
Quaking Aspen	30	Sapling	1					
Northern White Cedar	10	Pole	6					

3	623 - Emergent Wetland	Nonstocked	0.9				No
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4	623 - Emergent Wetland	Nonstocked	2.0				No
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5	310 - Herbaceous Openland	Nonstocked	4.7	0	Immature	429 - Mixed Upland Conifers	1/12/22 TB: Stand regenerating, only 3 yrs since cut. Seedlings scattered throughout. Part of McDonald Lake 2 sale # 4-016-14-01. TCR date: 4/26/2019.
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Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	< 5 feet	Sapling
Quaking Aspen	Low	< 5 feet	Sapling
White Spruce	Medium	< 5 feet	Sapling

6	6118 - Lowland Deciduous with Cedar	Poletimber Well	8.5	76		N/A	Lake buffer retention.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Bigtooth Aspen	30	Pole/Log	9	76	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	10	Pole	6					
Balsam Fir	20	Pole	6					
Northern White Cedar	20	Pole	5					
Red Maple	10	Pole	8					

7	310 - Herbaceous Openland	Nonstocked	5.5				No
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8	500 - Water	Nonstocked	1.1				No
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9	623 - Emergent Wetland	Nonstocked	4.1				No
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10	622 - Lowland Shrub	Nonstocked	1.6				No
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
11	500 - Water	Nonstocked	3.5			No																																																
12	623 - Emergent Wetland	Nonstocked	1.2			No																																																
13	6111 - Lowland Balsam Poplar	Sapling Medium	7.4	3	Immature	N/A	5/20/2019: Stand was cut as part of McDonald Lake 2 Sale #41-016-14-01. TCR Date 4/26/2019.																																															
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16	623 - Emergent Wetland	Nonstocked	5.6			No																																																
17	623 - Emergent Wetland	Nonstocked	4.5			No																																																
18	42330 - Upland Fir	Poletimber Well	16.9	36		N/A																																																
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19	6112 - Lowland Aspen	Sapling Well	7.1	3	Immature	N/A	5/20/2019 TI: Stand was part of McDonald Lake 2 sale #41-016-14-01. TCR Date 4/26/2019.																																															
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20	6112 - Lowland Aspen	Sapling Well	18.7	14		N/A	Sale Contract 41-013-04-01 [3/21/07 BB] Stand was cut winter 2007, Mead Contract, actual acres was 17. TB 2012: Regenerated nicely to quaking aspen. Fully stocked, 10-15 feet tall.																																															
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21	6120 - Lowland Cedar	Poletimber Well	34.4	154		N/A																																							
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22	622 - Lowland Shrub	Nonstocked	4.2			No																																							
23	623 - Emergent Wetland	Nonstocked	1.7			No																																							
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25	42330 - Upland Fir	Poletimber Well	1.8	70		N/A																																							
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26	42220 - Natural Jack Pine	Poletimber Well	43.6	74		N/A																																							
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27	6116 - Lowland Birch	Poletimber Medium	6.1	69	Unspecified	N/A																																							
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29	500 - Water	Nonstocked	7.1			No																																							
30	622 - Lowland Shrub	Nonstocked	19.9			No																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
31	42210 - Natural Red Pine	Sawtimber Well	62.1	73	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		20	Pole	7		White Pine	Low	5 - 10 feet	Sapling
White Pine		10	Log	16					
Red Pine		70	Log	14	73				
32	500 - Water	Nonstocked	4.5			No			
33	42210 - Natural Red Pine	Sawtimber Well	13.1	73	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Log	16		White Pine	Low	5 - 10 feet	Sapling
Red Pine		70	Log	14	73				
Jack Pine		20	Pole	7					
34	6120 - Lowland Cedar	Poletimber Well	7.6	104		N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		5	Pole	7		Balsam Fir	Low	5 - 10 feet	Sapling
Black Spruce		15	Pole	5					
Northern White Cedar		80	Pole	5	104				
35	623 - Emergent Wetland	Nonstocked	2.2			No			
36	42330 - Upland Fir	Poletimber Well	15.9	46		N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
White Spruce		10	Pole/Sapling	5					
Balsam Fir		90	Pole/Sapling	5	46				
37	42220 - Natural Jack Pine	Poletimber Well	443.9	74	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		10	Log	14		White Pine	Low	5 - 10 feet	Sapling
Jack Pine		70	Pole	6	74	Black Spruce	Low	5 - 10 feet	Sapling
White Pine		5	Log	14					
Black Spruce		15	Pole	5					
38	42210 - Natural Red Pine	Poletimber Well	225.7	73	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		15	Log/Pole	11		Black Spruce	Low	< 5 feet	Sapling
Red Pine		65	Log/Pole	11	73				
Jack Pine		20	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
39	623 - Emergent Wetland	Nonstocked	4.9			No																																
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44	622 - Lowland Shrub	Nonstocked	2.3			No																																
45	623 - Emergent Wetland	Nonstocked	5.8			No																																
46	623 - Emergent Wetland	Nonstocked	14.4			No																																
47	500 - Water	Nonstocked	9.6			No																																
48	42340 - Upland Spruce/Fir	Poletimber Well	5.8	39		N/A																																
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51	623 - Emergent Wetland	Nonstocked	9.0			No																																
52	623 - Emergent Wetland	Nonstocked	15.0			No																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
53	6120 - Lowland Cedar	Poletimber Well	12.8	145		N/A	Had some selective cutting in 1954.																																
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54	42210 - Natural Red Pine	Poletimber Well	2.6	73	51-80	N/A																																	
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56	622 - Lowland Shrub	Nonstocked	14.0			No																																	
57	500 - Water	Nonstocked	5.2			No																																	
58	500 - Water	Nonstocked	2.4			No																																	
59	623 - Emergent Wetland	Nonstocked	11.9			No																																	
60	500 - Water	Nonstocked	1.3			No																																	
61	4130 - Aspen	Sapling Well	12.2	16		N/A	[5/18/05] Stand was cut in the winter of 2005. Sale acres = 13 (9/08/05 AP) FTP W41-1194 has been completed Aspen TSI.																																
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62	122 - Road/Parking Lot	Nonstocked	3.8			No																																	
63	623 - Emergent Wetland	Nonstocked	3.9			No																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
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66	500 - Water	Nonstocked	4.5			No																												
67	500 - Water	Nonstocked	2.6			No																												
68	623 - Emergent Wetland	Nonstocked	1.6			No																												
69	623 - Emergent Wetland	Nonstocked	1.3			No																												
70	623 - Emergent Wetland	Nonstocked	2.1			No																												
71	500 - Water	Nonstocked	1.1			No																												
72	622 - Lowland Shrub	Nonstocked	1.3			No																												
73	6120 - Lowland Cedar	Poletimber Well	73.8	100		N/A	2012: Stand has been cut through many years ago. Could find no record of this cutting. An old woods road is still visable and old stumps can stil be found. Areas that were cut heavier regenerated well to cedar that are now 3-4 inches dbh.																											
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74	623 - Emergent Wetland	Nonstocked	3.4			No																												
75	42210 - Natural Red Pine	Poletimber Well	12.4	66	51-80	N/A																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
76	6120 - Lowland Cedar	Poletimber Well	25.4	114		N/A																																	
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80	623 - Emergent Wetland	Nonstocked	3.4			No																																	
81	500 - Water	Nonstocked	2.4			No																																	
82	6121 - Tamarack	Sapling Well	10.3	40		N/A																																	
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83	42210 - Natural Red Pine	Poletimber Well	48.4	70	51-80	N/A																																	
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84	6122 - Black Spruce	Poletimber Well	22.8	72		N/A																																	
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85	500 - Water	Nonstocked	6.9			No																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86 623 - Emergent Wetland Nonstocked 0.8 No

87 42220 - Natural Jack Pine Poletimber Well 47.6 70 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	70	Pole	6	70	White Pine	Low	5 - 10 feet	Sapling
Red Pine	20	Pole/Log	10		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	10	Pole	5					

88 623 - Emergent Wetland Nonstocked 1.8 No

89 42330 - Upland Fir Sapling Well 3.2 16 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	16	
Red Maple	5	Sapling	2	16
Balsam Fir	85	Sapling	2	16
White Pine	5	Sapling	2	16

[5/18/05 BB] Stand was cut winter of 2005, sale acres= 3.
[9/8/05 BB] FTP W41-1194 has been completed, Aspen TSI.

Previous MO= aspen but stand filling in with spruce fir and white pine .
Large white pine left for visual along road .

90 622 - Lowland Shrub Nonstocked 3.5 No

91 500 - Water Nonstocked 2.9 No

92 623 - Emergent Wetland Nonstocked 2.6 No

93 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 10.3 74 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	10	Pole/Log	9		Balsam Fir	Low	< 5 feet	Sapling
Red Maple	40	Pole	8	74	Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	6					
Northern White Cedar	10	Pole	8					
Paper Birch	30	Pole	7					

94 623 - Emergent Wetland Nonstocked 2.2 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
95	4136 - Aspen, Mixed Conifer	Sapling Well	4.9	12		N/A	Stand cut winter 2010, sale number 41-039-08-02. Original stand was 12 acres but only 5 acres were cut due to stream buffers and an ERA. Residual basal areas are; white pine= 12 sqft. red pine = 7 sqft.																									
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