



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41095

Entry Year 2018

Acreage: 1,661

County Delta

Management Area: Lake Michigan Shoreline

Revision Date: 2016-08-31

Stand Examiner: Tori Irving

Legal Description:

T39N R18W Sections 13-15, 22-24, 27 & 28

Identified Planning Goals:

The goals in this compartment include conducting multiple resource management for current and future generations. Forest Health, Recreation, Biodiversity Stewardship, Wildlife and Timber Management are some of the key management components within this compartment.

Soil and topography:

The soils in the compartment are either shallow organic over limestone bedrock or sand ridges deposited by the receding glaciers. The terrain is relatively flat except for the dune and swale effect produced by the glaciers in which there will be a series of ridges that parallel Lake Michigan with low ground between them. The compartment lies within the Escanaba Lake Plain and Thin Till Subsection under Cleland's Ecological Land Classification System which is being used in the Eastern Upper Peninsula Eco-Regional Planning Process.

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

Ownership in and around the compartment is fairly contiguous blocks of State land however, there is some fragmentation. The private land includes both year round and seasonal properties with dwellings. Land use in the area revolves mostly around hunting with several old logging roads that are being used by ORV's. Many of these are being proposed for closure. There is an old gravel pit in section 14 that is very small and no longer being used.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory (MNFI).

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

This compartment contains an Ecological Reference Area (ERA). ERA's are designated by Michigan Natural Resources Inventory (MNFI) and are high quality examples of functioning ecosystems that are primarily influenced by ecological processes. In this case, the designation is for a Wooded Dune and Swale Complex.

Watershed and Fisheries Considerations:

Garden Creek is found within this compartment. Garden Creek is warm water. Standard BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations. Buck Fever Lake and Half Moon Lake are also found in the compartment. No information exists in the files regarding either.

Wildlife Habitat Considerations:

This compartment lies on the eastern coast of the Garden Peninsula and contains ecologically sensitive Wooded dunes and swales. General Land Office surveyors recorded the pre-settlement forest as a composite of white birch, balsam fir, aspen, beech, hemlock and white pine. Upland species contained in lesser amounts included butternut, sugar maple, basswood, and ironwood. The swales contained cedar, tamarack, and spruce. The current upland forest continues to contain the same species as recorded by the early surveyors. However, their likely has been a shift toward more aspen. The lowland forests appear to be similar in species composition as recorded in the 1850s. The wildlife habitat goals include maintains early successional upland forests, protecting the wooded dune and swale complex, promoting species and structural diversity within the hardwood forests, and promoting the white pine spruce component with the lower aspen regeneration stands. This compartment lies within the Lake Michigan Shoreline Management Area and the featured species within this MA are piping plover and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington Formation and Utica Shale subcrop below the glacial drift. The Stonington could be used for stone. Gravel pits are not located in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

The compartment has many roads within it; the main access road is 16th Road which is also called the Goldmine Road. 16th Road is a County road until it enters section 23; it then it is a DNR road. There is another County Road on the north side of the compartment called 17th Road, also known as the Little Harbor Road. There are also several other two-tracks in the compartment as well as old, narrow logging roads. Some of the aforementioned roads are mainly being used by ORVs.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

There are no recreational facilities within the compartment. Recreational opportunities include hunting, fishing and trapping. Garden Creek is considered warm water therefore fishing opportunities are limited but it does have a fair amount of beaver activity for trapping. Due to the lack of roads in some portions of the compartment there is good potential for remote deer and bear hunting. There are several large aspen stands which may provide good grouse and woodcock hunting.

Fire Protection:

Response times to fires within the compartment will be relatively slow due to its location. However, Fayette State Park does house a small pumper truck which could assist in Fire Operations. Fire operations will be could be challenging due to the amount of urban interface and gates in the area.

Additional Compartment Information:

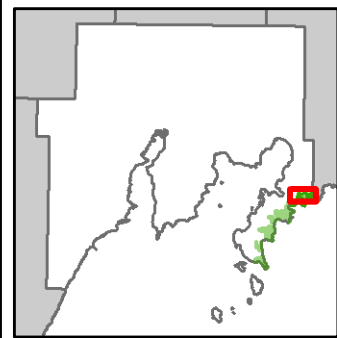
The following reports from the Inventory are attached:

- 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:

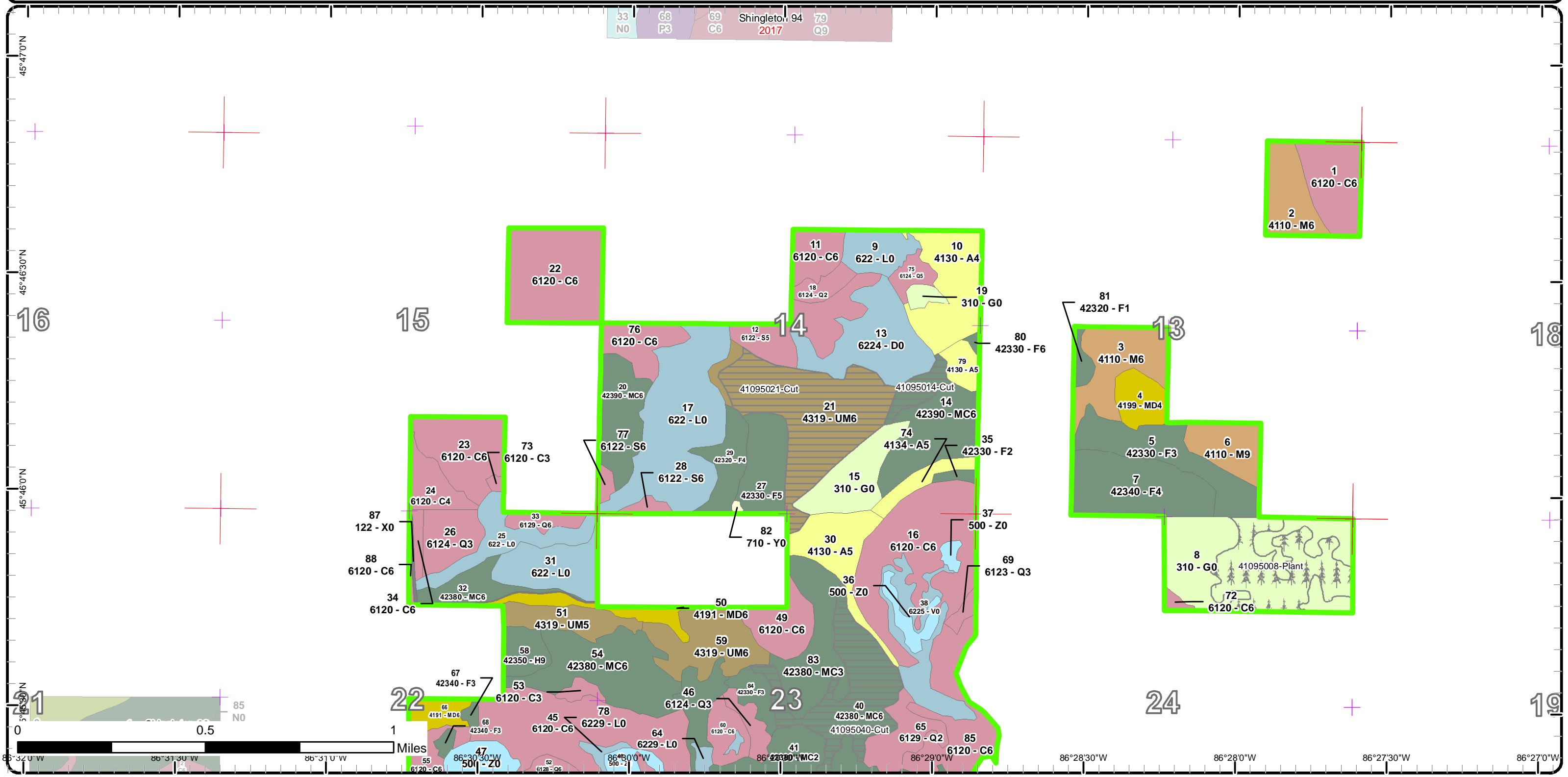
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



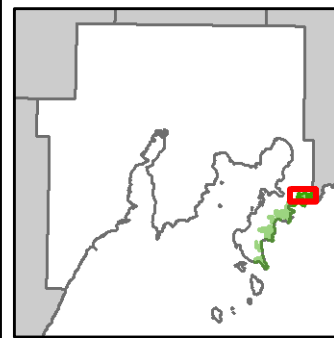
Compartment: 95
 T39N, R18W, Sec: 13-15, 22-27
 County: Delta
 Unit: Shingleton
 Mgmt Area: Lake Michigan Shoreline
 YOE: 2018
 Acres: 1,661 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 12/6/2016
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- Compartment Boundary
- Clearcut (w/Reserves)
- Planting (tree species)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil



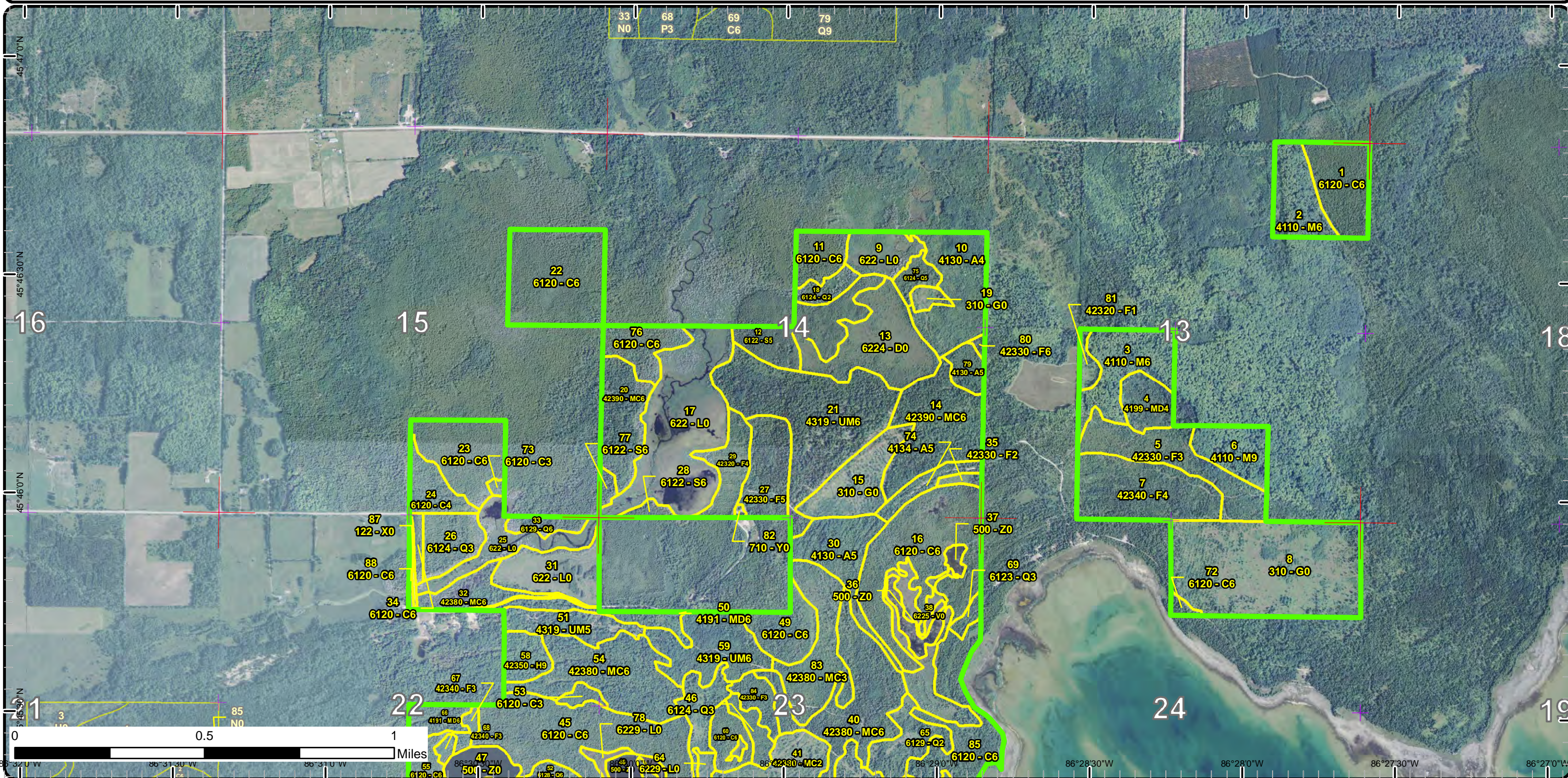
Stand Boundary Map

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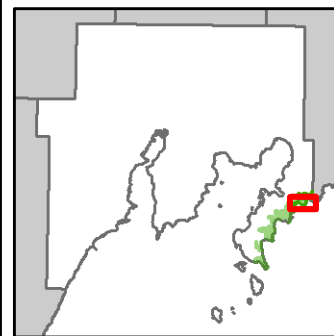


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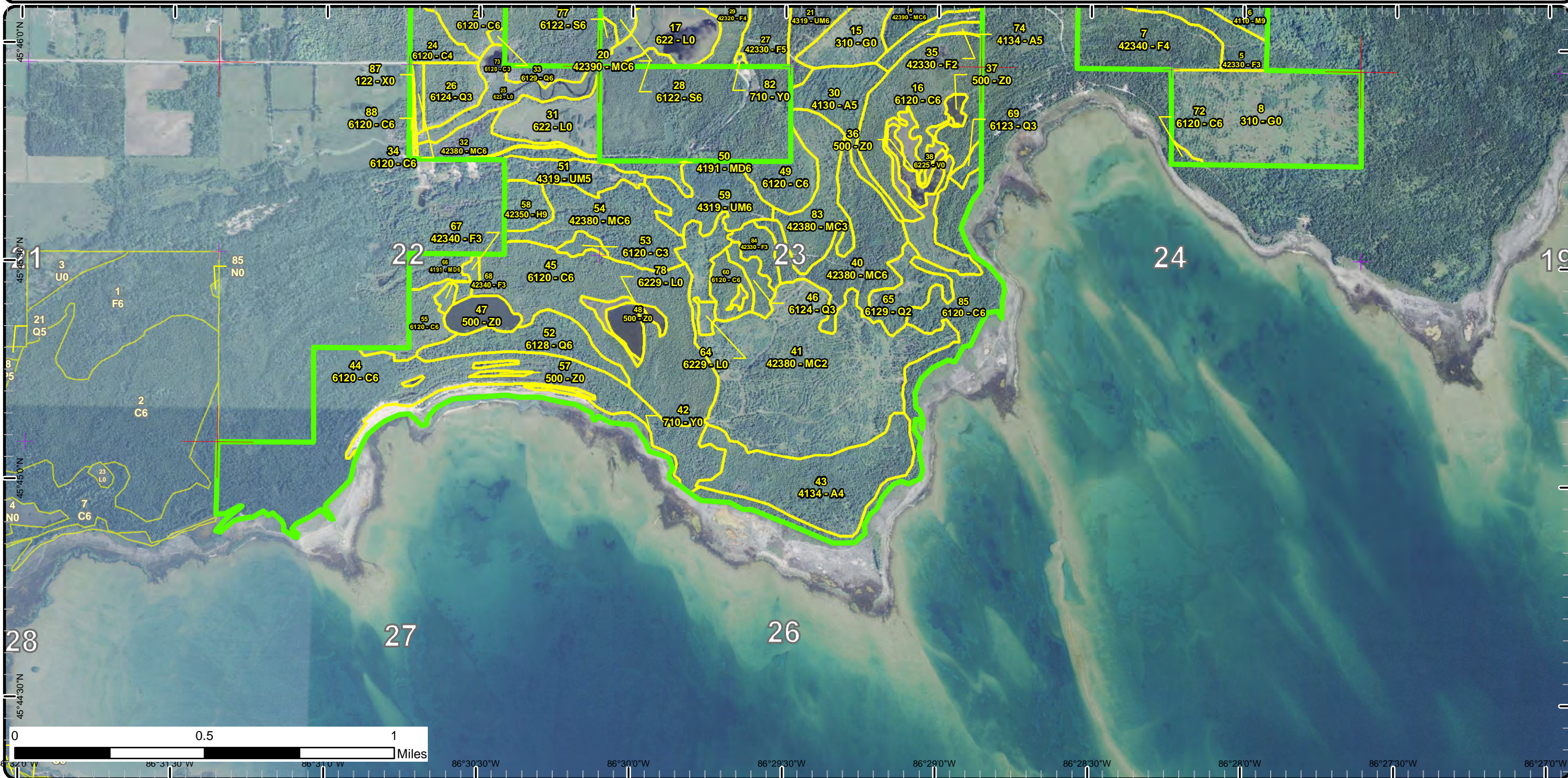
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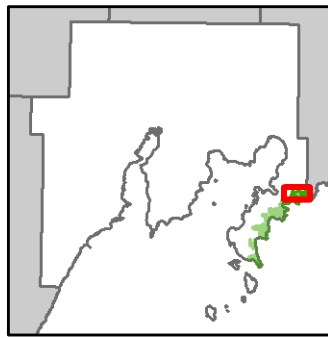
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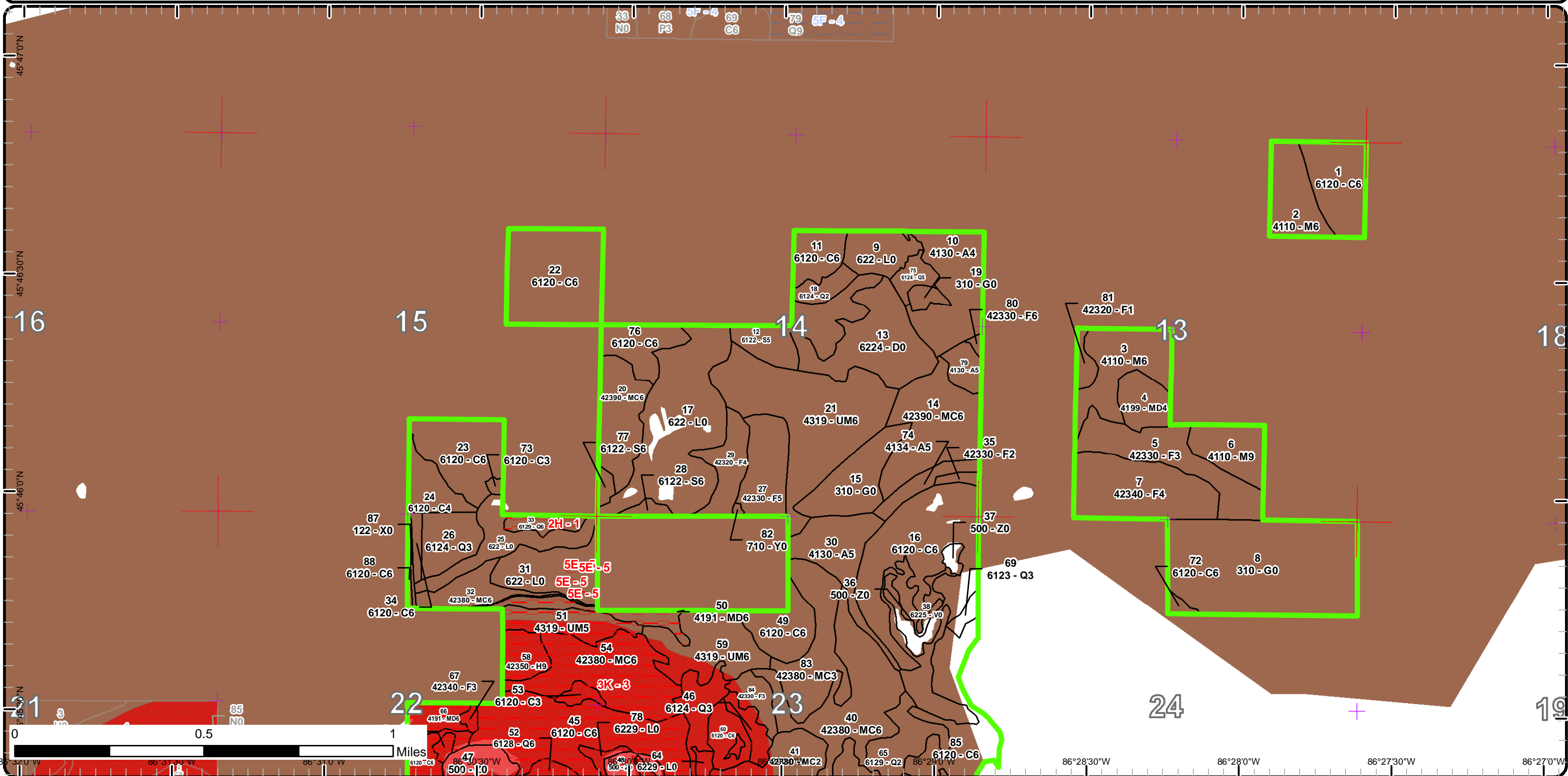


Special Conservation Areas & Site Conditions Map

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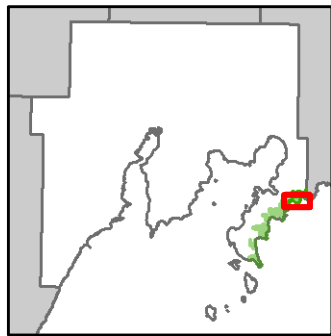


- Miris Corners
- + Remonumented Section Corners
- Compartment Boundary
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Deer Winter Range

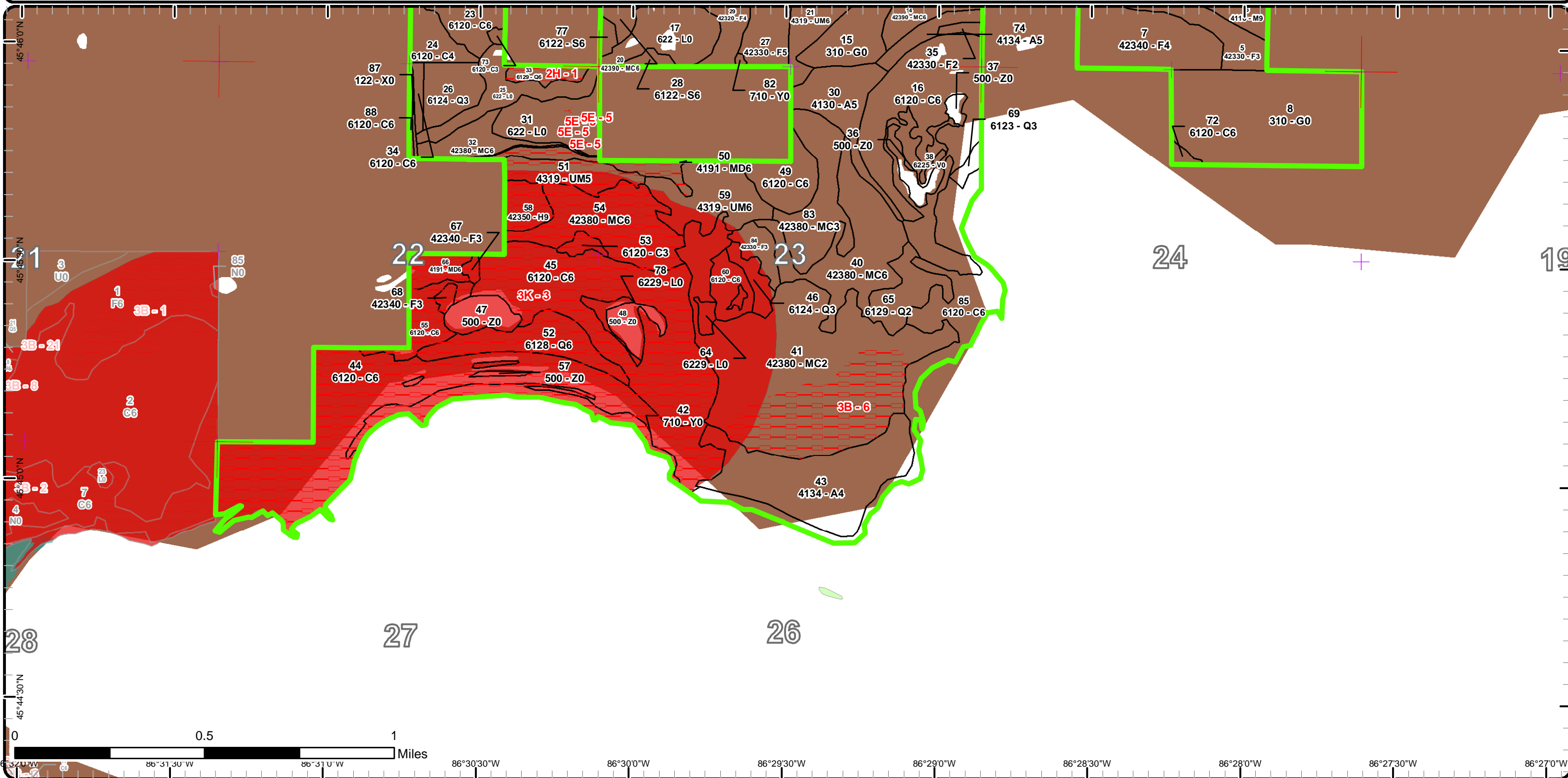


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- 3B: Threatened, endangered, and special concern species/communities
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- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Coastal Environmental Areas
- Deer Winter Range
- Great Lakes Islands



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	0	93	28	0	0	0	0	0	0	0	0	0	0	0	0	121
Bog	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Cedar	0	0	0	0	1	14	0	0	15	0	223	52	108	66	0	0	0	0	479
Hemlock	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Herbaceous Openland	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
Lowland Conifers	0	0	0	20	23	0	0	0	0	0	29	5	0	0	0	0	0	0	77
Lowland Shrub	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	24	5	0	0	0	0	0	0	0	29
Mixed Upland Deciduous	0	0	0	0	11	0	0	0	0	18	0	0	0	0	0	0	0	0	29
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	18	41	0	0	0	0	0	0	59
Sand, Soil	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Treed Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Upland Conifers	0	0	0	0	0	28	0	22	51	0	0	0	0	0	0	0	0	212	313
Upland Mixed Forest	0	0	0	0	27	0	63	0	0	0	0	0	0	0	0	0	0	14	103
Upland Spruce/Fir	0	4	0	2	67	40	1	0	0	0	0	0	0	0	0	0	0	0	114
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Total	326	4	0	22	222	110	64	22	66	42	275	107	108	66	0	0	0	226	1659



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 95
Total Compartment Acres: 1,661

Commercial Harvest - 108
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Upland Conifers	48	0	0	0	0	0	0	0	0	48
Upland Mixed Forest	60	0	0	0	0	0	0	0	0	60
Total	108	0	0	0	0	0	0	0	0	108

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	108	0	37	0	0	0	0	0	0	145
Next Step	0	97	60	0	0	37	241	0	0	434
Total	108	97	97	0	0	37	241	0	0	579



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	Approval Status
8	41095008-Plant	36.9	310 - Herbaceous Openland	Nonstocked		Unspecified	Planting	Initial Plant	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Plant white pine and white spruce. Spray stand with herbicide prior to planting to kill grass. Avoid pockets of advanced regeneration especially
Specs: pockets of aspen and hazelnut.

Next Step Pesticide, Skidder/Mechanical; SitePrep, Trenching; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable White pine, white spruce, and species currently found on-site.
Regen:

Other See OFS layer.
Comment:

Proposed Start Date: 10/01/2017

14	41095014-Cut	7.5	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all species except hemlock, cedar, and oak if present. Include the 2" spec in the timbersale write up.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A mix of species currently found on site.
Regen:

Other The compartment is showing signs of mortality from spruce bud worm.
Comment:

Proposed Start Date: 10/14/2016

21	41095021-Cut	59.6	4319 - Mixed Upland Forest	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all species. Do not cut any hemlock or oak. Leave a few scattered large red and/or white pine. Some survey work is needed for the stand.
Specs: Include the 2" spec in the timber sale write up.

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable A mix of species currently found on site.
Regen:

Other
Comment:

Proposed Start Date: 10/14/2016

40	41095040-Cut	40.6	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and cedar. Leave a few scattered patches on the edges. Include the 2" spec in the timbersale write up.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A mix of species currently found on site.
Regen:

Other The compartment is showing signs of mortality from spruce bud worm.
Comment:

Proposed Start Date: 10/14/2016

Total Treatment Acreage Proposed: 144.6

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 95

Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2H	3B	3K	5E
121	121	0	0	Aspen				
20	20	0	0	Bog				
480	257	0	223	Cedar			223	
9	0	0	9	Hemlock			9	
103	103	0	0	Herbaceous Openland				
78	49	0	29	Lowland Conifers	5		23	
119	116	0	2	Lowland Shrub				2
29	29	0	0	Lowland Spruce/Fir				
29	11	0	18	Mixed Upland Deciduous			18	
59	59	0	0	Northern Hardwood				
20	1	0	19	Sand, Soil			19	
34	34	0	0	Treed Bog				
314	220	0	93	Upland Conifers		54	39	
103	89	0	14	Upland Mixed Forest			14	
115	111	0	3	Upland Spruce/Fir			3	
2	2	0	0	Urban				
28	28	0	0	Water				
1,661	1,252		410	Total Forested Acres	5	54	348	2
	75%		25%	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)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 95

Year of Entry: 2018

3	Unavailable	3K: Rare or unique landforms	348	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wooded Dune and Swale Complex							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3B: Threatened, endangered, and special concern species/communities	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
	Potential Old Growth		SCA Removal	40
Comments Already a SCA - deer wintering complex				
	Potential Old Growth		SCA Removal	41
Comments Already a SCA - deer wintering complex				
	Potential Old Growth		SCA Removal	200
Comments Already a SCA - deer wintering complex.				
	Potential Old Growth		SCA Removal	945
Comments Already a SCA - deer wintering complex.				
Portage Bay	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	SCA Removal	425
Comments This area does not meet the requirements for type 1 or type 2 old growth.				



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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Shingleton Mgt. Unit		Report 7 – Forested Stands			Compartment: 95 Year of Entry: 2018
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	21.8	100	141-170	
2	4110 - Sugar Maple Association	Poletimber Well	18.4	90	51-80	<p>[5/17/2016 TI] Almost no regeneration present in the stand. There is a small amount of scattered beech and raspberry but overall, the understory is pretty sparse.</p> <p>[4/22/08 BB] Stand is now on Proposal 12-08, Gil's Corner Hardwood. Actual stand acres = 15. Residual Basal Area; Hard Maple = 58 sq ft, Yellow Birch = 3 sq ft, beech = 6 sq ft, black cherry = 4 sq ft, whithe birch = 2 sq ft.</p> <p>[1/25/09 bb] Sale is now closed, cut fall 2009. TCR date is 1/11/2010, stand now on regen timeclock, should be checked in 2014.</p>
3	4110 - Sugar Maple Association	Poletimber Well	25.3	101	51-80	Stand was cut as part of Sale # 12-08 Gil's Corner Hardwood. TCR date 1/11/2010. There is not a lot of regeneration in the stand. There are several canopy gaps but everything in them has been browsed.
4	4199 - Other Mixed Upland Deciduous	Poletimber Poor	11.3	36	1-50	Stand was cut in 1980. Originally, the stand had more hardwood including red maple and ash. The deer browsed the hardwood species and the balsam poplar has become the dominant component. Deer are still browsing the understory pretty hard.
5	42330 - Upland Fir	Sapling Well	29.0	36	Unspecified	Stand was cut in 1980. Stand is thick dense, small diameter fir. There are a few merchantable trees but not 10', there is some aspen regen areas as well.
6	4110 - Sugar Maple Association	Sawtimber Well	15.6	101	51-80	Stand was thinned in 1997 and cut for firewood at least once. There is absolutely no hardwood regeneration, the deer have browsed everything in site. There is some fir on fringes but that is an unacceptable species. Stand is poles on the fringe but saw timber on the interior. There are nice regen holes but no regen and the stand doesn't have enough basal area to cut again.
7	42340 - Upland Spruce/Fir	Poletimber Poor	35.4	36	1-50	Stand was cut 1980. Stand has some clones of aspen scattered in the stand.
10	4130 - Aspen	Poletimber Poor	29.8	36	1-50	
11	6120 - Lowland Cedar	Poletimber Well	10.8	101	111-140	Stand is predominately cedar with some spruce. Southern portion of the stand was partially salvaged in 1994 due to beaver flooding. Stocking varies greatly in this area.
12	6122 - Black Spruce	Poletimber Medium	23.7	84	51-80	Stand is very spongy, sphagnum moss on top of organics. Much of the spruce is still submerchantable.
14	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	35.6	75	81-110	Stand is a series of ridges and appears to have been cut in the past. There is some scattered birch but not enough to be counted in the canopy.
16	6120 - Lowland Cedar	Poletimber Well	53.2	90	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	6124 - Lowland Spruce-Fir	Sapling Medium	5.9	22	Immature	Stand was mostly salvaged in 1994 from old beaver flooding.
20	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	22.1	69	111-140	
21	4319 - Mixed Upland Forest	Poletimber Well	62.7	52	81-110	Stand is a quite a mix of species.
22	6120 - Lowland Cedar	Poletimber Well	40.7	124	111-140	Stand was strip cut sometime before 1964.
23	6120 - Lowland Cedar	Poletimber Well	25.5	124	Unspecified	
24	6120 - Lowland Cedar	Poletimber Poor	11.1	40	1-50	Stand was originally strip cut in 1976 then in 2000 the remaining strips were cut. However, due to poor logging contractor some trees were left.
26	6124 - Lowland Spruce-Fir	Sapling Well	14.2	31	Immature	
27	42330 - Upland Fir	Poletimber Medium	19.2	40	1-50	Stand is dominantly pole sized but in areas, it is a mix of merchantable and sub-merchantable species.
28	6122 - Black Spruce	Poletimber Well	2.8	90	111-140	
29	42320 - Upland Spruce	Poletimber Poor	13.7	40	1-50	Stand is a series of strip cuts. The first set of strips was done in 1976 with a small salvage operation in 1978. The remaining strips were cut in 1986. There is a lot of cedar regeneration in both old and new strips. The deer browse is not too bad in these stands.
30	4130 - Aspen	Poletimber Medium	21.6	41	1-50	Stand was cut in 1975.
32	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	12.1	76	81-110	Stand was cut through in the 1980s. There is hemlock scattered throughout the stand.
33	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	5.5	90	111-140	
34	6120 - Lowland Cedar	Poletimber Well	3.0	106	Unspecified	Part of stand falls within the County ROW.
35	42330 - Upland Fir	Sapling Medium	2.1	26	Immature	Stand was cut sometime after 1986. No cedar regeneration
40	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	40.6	70	51-80	
41	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Medium	136.2	16	Immature	

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 95
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	4134 - Aspen, Spruce/Fir	Poletimber Poor	55.8	36	1-50	Stand was cut in 1980.
44	6120 - Lowland Cedar	Poletimber Well	120.8	93	81-110	This stand has subtle ridges of cedar and pine.
45	6120 - Lowland Cedar	Poletimber Well	86.0	111	111-140	
46	6124 - Lowland Spruce- Fir	Sapling Well	6.0	37	Unspecified	
49	6120 - Lowland Cedar	Poletimber Well	15.3	74	51-80	
50	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.9	80	141-170	
51	4319 - Mixed Upland Forest	Poletimber Medium	14.1	35	1-50	Stand was cut in 1991 as part of sale Bull Run 1. Much of the stand is is old dune so the regeneration is sparse and scattered throughout the stand.
52	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.3	96	111-140	
53	6120 - Lowland Cedar	Sapling Well	3.0	49	Unspecified	Lots of cedar regeneration as well as spruce and fir. Illegal 4 wheeler trail (old Skid Road) cuts through the stand. Trail originates on private and leads to a couple of illegal blinds.
54	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	39.1	76	81-110	Stand is a series of ridges with cedar scattered throughout, mostly upland. Stand includes 2 vernal type ponds. The birch has started to decline and is not regenerating.
55	6120 - Lowland Cedar	Poletimber Well	12.7	111	111-140	
58	42350 - Upland Hemlock	Sawtimber Well	9.0	101	111-140	Nice hemlock stand, was cut through lightly around 1980. There are also pockets of nice hemlock regeneration throughout the stand.
59	4319 - Mixed Upland Forest	Poletimber Well	26.5	38	1-50	OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex SCA - Deeryard - Designated by WLD in 2000 Only the southern portion of the stand falls in the delineated ERA polygon. Stand is part of a series of old dune ridges. Stand could easily type as F4/F3 as well.
60	6120 - Lowland Cedar	Poletimber Well	8.8	111	111-140	
65	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	14.5	26	Immature	No cutting record for this stand but it was sometime after the '86 photos were taken.



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.7	83	51-80	There is a lot of illegal activity
42340 - Upland Spruce/Fir	Sapling Well	1.5	34	Immature	No record of timbersale could be found but it was cut somewhere in the mid 90's. Regeneration is coming back to fir mostly and spruce but there is quite a bit of cedar as well. The access roads to the stand is from adjacent private land and should be blocked off. There is a lot of illegal use going on including illegal blinds and firewood cutting.
42340 - Upland Spruce/Fir	Sapling Well	1.8	34	Immature	No record of timbersale could be found but it was cut somewhere in the mid 90's. Regeneration is coming back to fir mostly and spruce but there is quite a bit of cedar as well. The access roads to the stand is from adjacent private land and should be blocked off. There is a lot of illegal use going on including illegal blinds and firewood cutting.
6123 - Lowland Fir	Sapling Well	2.7	35	Unspecified	
6120 - Lowland Cedar	Poletimber Well	1.8	101	141-170	Stand was originally set up with the Gold Mine Birch stand which was cut in 1998. However, due to some public comment from the nearby landowners a portion of the sale, this stand was excluded for visual management.
6120 - Lowland Cedar	Sapling Well	1.1	36	Unspecified	
4134 - Aspen, Spruce/Fir	Poletimber Medium	7.3	36	1-50	
6124 - Lowland Spruce- Fir	Poletimber Medium	5.4	101	1-50	
6120 - Lowland Cedar	Poletimber Well	13.5	101	81-110	Portions of the stand have been cut in the 70s. There is a feeder stream running through the stand.
6122 - Black Spruce	Poletimber Well	2.3	90	111-140	
4130 - Aspen	Poletimber Medium	6.4	43	1-50	
42330 - Upland Fir	Poletimber Well	1.0	56	81-110	OPIC - FMD: SCA - Deeryard - Designated by WLD in 2000
42320 - Upland Spruce	Sapling Poor	3.6	7	Immature	Stand was cut in the fall 2009 as part of Sale #12-08 Gil's Corner Hardwood. TCR date 1/11/2010. The stand is patchy and starting to fill in with white spruce. Most of the deciduous trees have been browsed by deer. There is also raspberry scattered through the stand.
42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Well	27.8	42	1-50	

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 95
Year of Entry: 2018



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	42330 - Upland Fir	Sapling Well	7.3	42	Unspecified	
85	6120 - Lowland Cedar	Poletimber Well	49.4	93	141-170	
88	6120 - Lowland Cedar	Poletimber Well	1.1	106	111-140	Stand is mostly the R-O-W for the Goldmine Rd. We need to do some survey work to establish the 1/16 corner to see if there is anything in trespass. The line cuts through several driveway/possible yards.



Stand	Cover Type	Acres	Managed Site	General Comments:
8	310 - Herbaceous Openland	78.6		<p>OPIC - FMD: SCA - Deeryard - Designated by WLD in 2000</p> <p>Walked much of the stand and the regeneration is spotty at best. Stand was mostly birch when cut but there is no birch regen due to deer. There is some aspen throughout but mostly fir. Stand has subtle old beach ridges with old pine stumps. Possibly re-introduce white pine to the stand on these ridges. There was some illegal dumping of stumps on the south west corner, probably when the private did there road building and clearing.</p> <p>[1/8/07 BB] As agreed to at the compartment review underplant white pine and white spruce in stand.</p>
9	622 - Lowland Shrub	12.5	No	<p>OPIC - FMD: SCA - Deeryard - Designated by WLD in 2000 SCA - POG - Designated in 1997 for Riparian area and Wildlife Corridor Stand was once partially forested but beaver flooding in the late 80's and early 90's changed the landscape. Most of the trees were salvaged in 1994 and stand is now an L type.</p>
13	6224 - Treed Bog	34.2	No	
15	310 - Herbaceous Openland	21.1		<p>Stand is now on Proposal 12-08, Gil's Corner Hardwood. Sale is now closed, cut fall 2009. TCR date is 1/11/2010.</p> <p>Birch in the stand is not regenerating very well but due to the topography, the stand is unable to be planted or scarified. The stand will take several years to start to fill in and become fully stocked. There is aspen regeneration along the southern border and there is scattered fir and some residual hemlock and cedar.</p>
17	622 - Lowland Shrub	60.4	No	
19	310 - Herbaceous Openland	3.2		
25	622 - Lowland Shrub	18.4	No	
31	622 - Lowland Shrub	21.0		<p>[4/22/08 BB] Stand was cut as part of sale # 41-011-01 Goldmine Spruce Sale. Sale is now closed, TCR date is 7/7/09.</p>
36	500 - Water	6.3	No	OPIC - FMD: OI Stand Year Origin was
37	500 - Water	2.1	No	OPIC - FMD: OI Stand Year Origin was
38	6225 - Bog	20.0	No	
42	710 - Sand, Soil	19.2	No	<p>OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex SCA - Deeryard - Designated by WLD in 2000</p> <p>Beach/Dune</p>



Stand	Cover Type	Acres	Managed Site	General Comments:
47	500 - Water	9.9	No	OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex Buck Fever Lake
48	500 - Water	7.7	No	Half Moon Lake
57	500 - Water	2.3	No	OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex
64	6229 - Mixed lowland shrub	3.3	No	OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex SCA - Deeryard - Designated by WLD in 2000
78	6229 - Mixed lowland shrub	3.0	No	OPIC - FMD: ERA - MNFI database - G3/S3 Wooded Dune and Swale Complex SCA - Deeryard - Designated by WLD in 2000
82	710 - Sand, Soil	0.5	No	Gold Mine Pit
87	122 - Road/Parking Lot	2.0	No	