



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41200

Entry Year 2025

Acreage: 1,488

County Delta

Management Area: Escanaba Lake and Till Plain

---

**Stand Examiner:** Adam Petrelius

**Legal Description:**

T36N R19W Sections 3 and 4, T37N R19W Sections 7, 17, 26, 27, 28, 33, and 34

**Identified Planning Goals:**

This compartment consists of State lands on Big Summer and Little Summer Islands. It is located in the Summer Islands Management Area. Management in the Summer Islands Management Area will focus on protection and enhancement of Great Lake Islands' special features and ecological functions.

**Soil and topography:**

The topography on the islands is quite hilly and rolling, the soils are Lupton which is more of a poorly drained organic. The soils are very shallow with limestone bedrock immediately beneath.

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

The State owns a large contiguous portion of Big Summer Island and a fragmented portion of Little Summer Island. Ownership on Big Summer includes several summer cottages. Land Use on both the islands is a big concern since access is difficult for Law Enforcement.

**Unique Natural Features:**

The unique geology and location of this compartment makes it very suitable to a variety of rare plants.

**Archeological, Historical, and Cultural Features:**

Sites are present and documented with the Office of the State Archaeologist.

**Special Management Designations or Considerations:**

An ERA is present on the islands for a Limestone Bedrock Lakeshore. It is also classified as an SCA for a Great Lakes Island. Potential old growth designations are being removed because stands do not meet our definition of old growth.

**Watershed and Fisheries Considerations:**

This compartment contains two islands (Little Summer Island and Summer Island) offshore of the Garden Peninsula. A 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Lake Michigan shoreland to protect these areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment constitutes most all the State owned lands on Big Summer and Little Summer Islands. On Big Summer Island, the original surveyors recorded a mixed forest dominated by cedar, white birch, balsam fir, and hemlock. Other species listed included beech, spruce, white pine, aspen and red maple. The surveyors noted a fair amount of burned over and wind-thrown timber. On Little Summer Island, white birch, cedar, and sugar maple were recorded most often with lesser amounts of red maple, aspen, white pine, black cherry, and beech. Current vegetation on both Islands appears to be similar to pre-settlement times. Wildlife habitat objectives in this compartment are based upon protecting the island ecosystems and providing old growth forests.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of thin to discontinuous glacial till over bedrock. The glacial drift thickness varies between 0 and 10 feet. The Silurian Manistique and Engadine Groups subcrop below the glacial drift. These rocks are used for stone. The nearest gravel pit is four miles to the north and potential appears to be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:**

Since these are Islands vehicle access is non-existent, however, the islands has been logged in the not to distant past via ice and or barge which left an old road network in place and this is now used extensively by four wheelers. There currently are no public boat landings or docks present.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

There are no developed recreation facilities within this compartment.

**Fire Protection:**

Difficult access exists since these are islands. Previous lightning strikes have occurred on adjacent island, Poverty Island.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

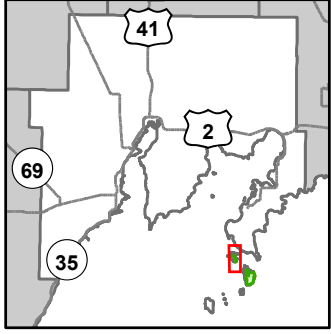
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

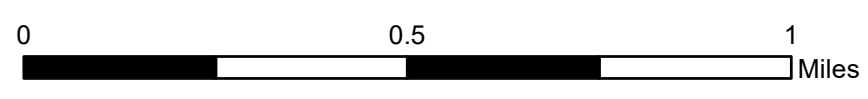
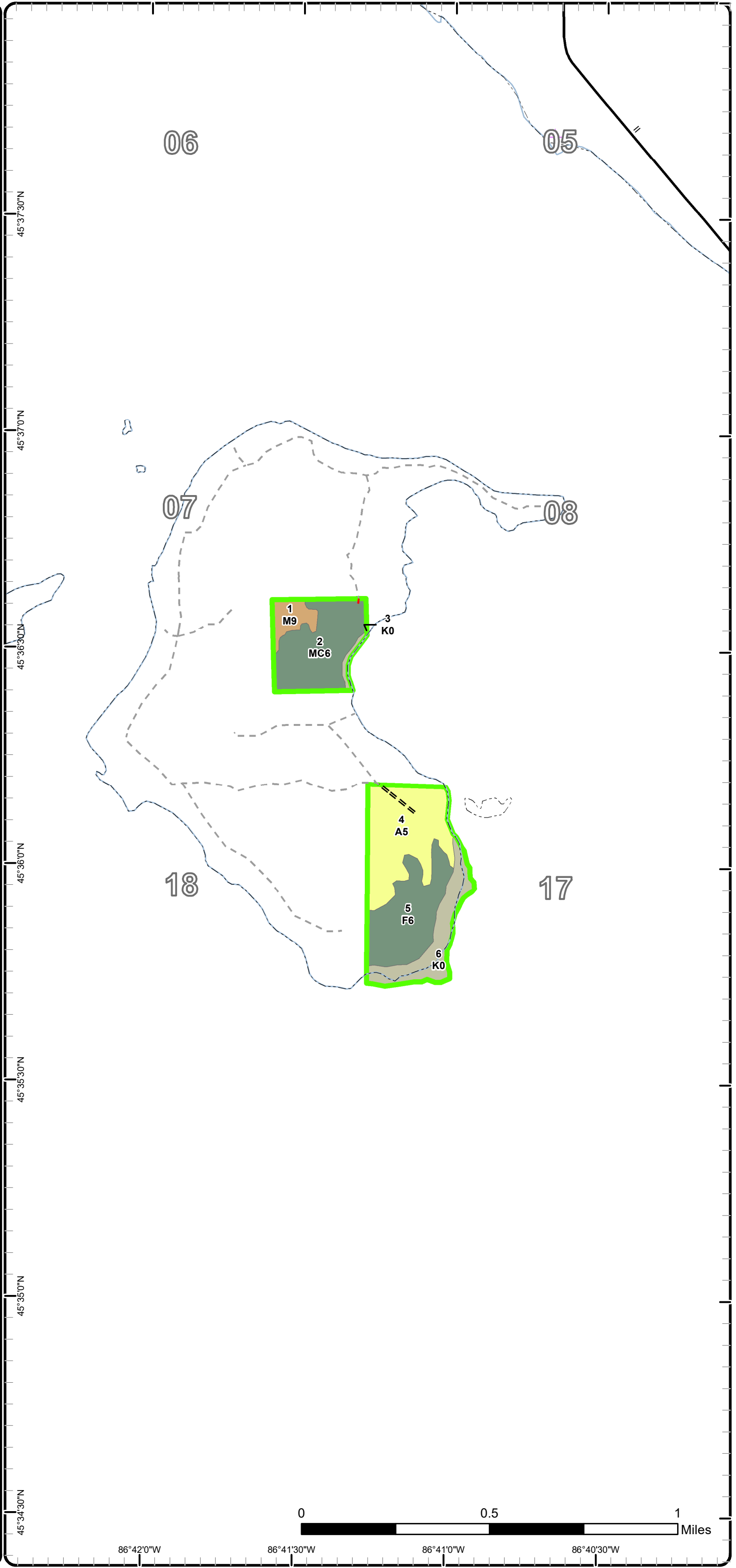
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review



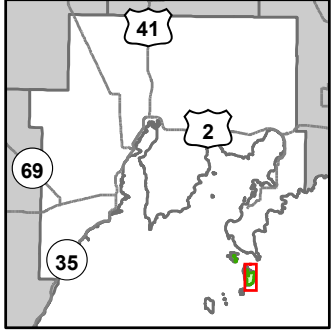
- + Remonumented Section Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Shoreline
- Compartment Boundary
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 720 - Exposed Rock



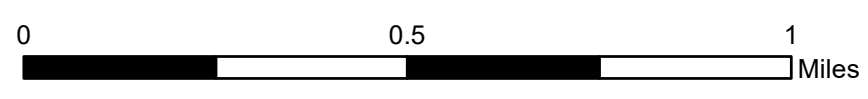
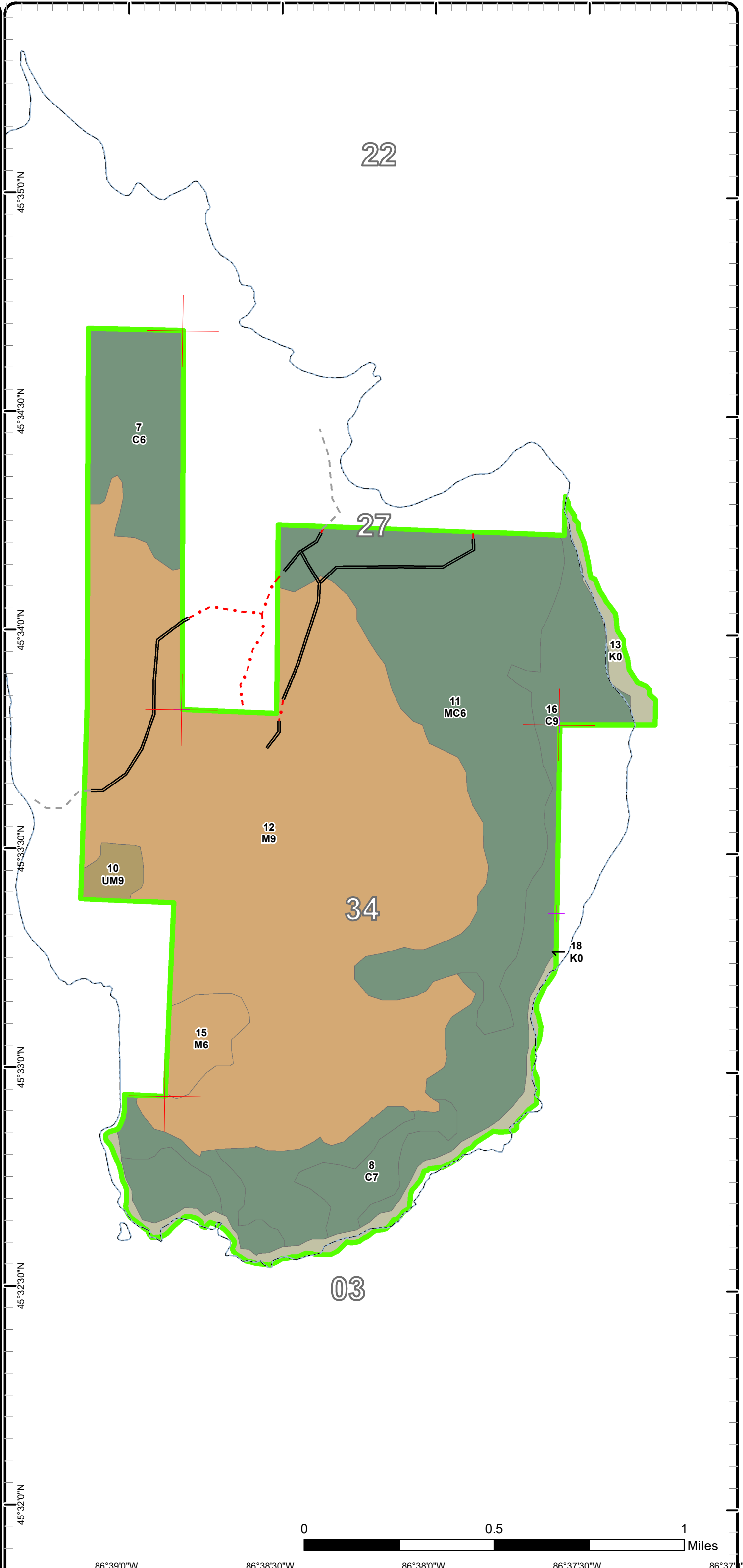
86°42'0"W      86°41'30"W      86°41'0"W      86°40'30"W

# Cover Type & Treatments Map

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review



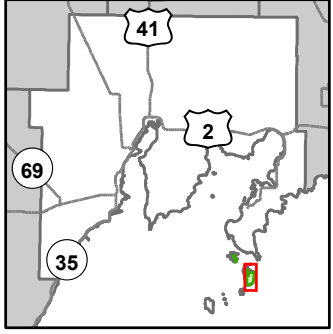
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Shoreline
- Compartment Boundary
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 720 - Exposed Rock



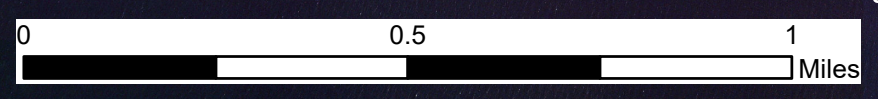
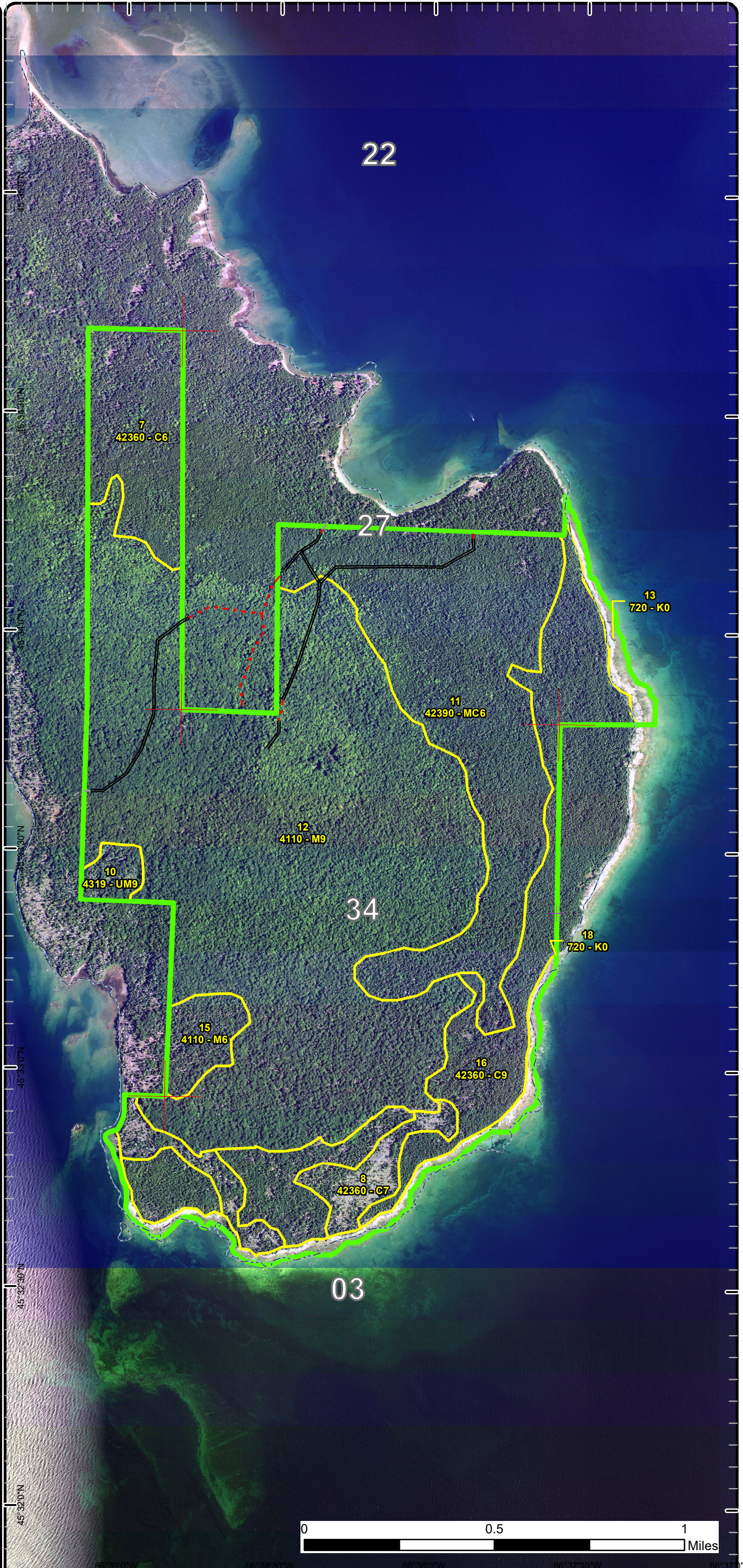
86°39'0"W      86°38'30"W      86°38'0"W      86°37'30"W      86°37'0"W

# Stand Boundary Map

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review



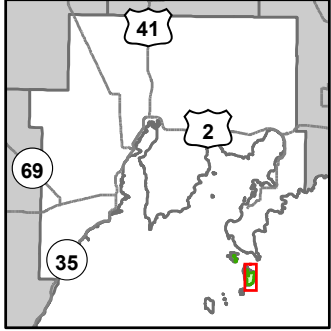
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Shoreline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 720 - Exposed Rock



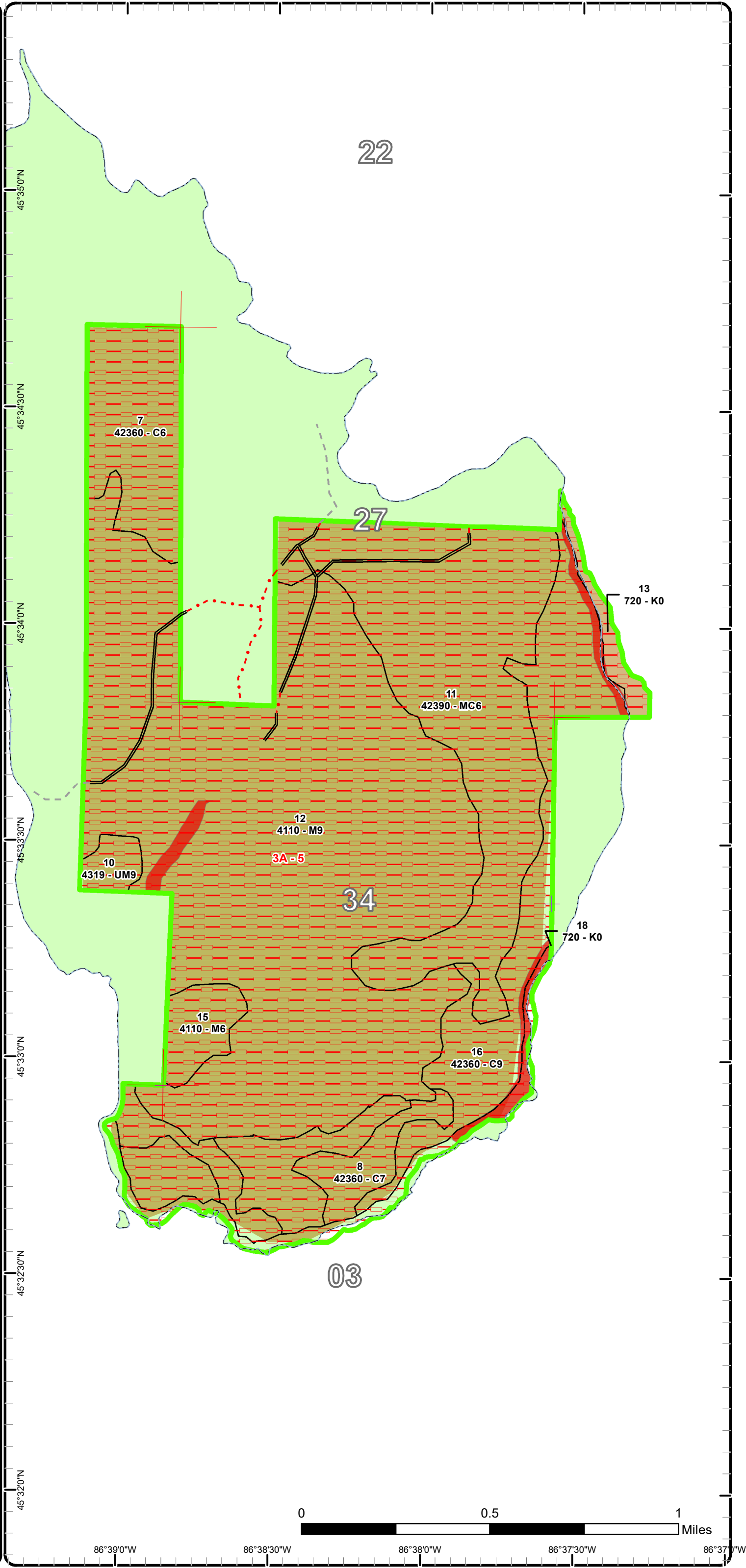
86°39'0"W 86°38'30"W 86°38'0"W 86°37'30"W 86°37'0"W

# Special Conservation Areas

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review

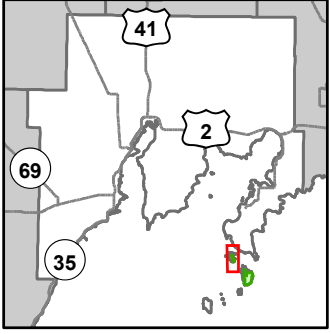


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Shoreline
- Compartment Boundary
- Unavailable
- 3A: Conservation Values incompatible with harvest at this time
- Stand Boundaries
- Ecological Reference Areas
- Forest Habitat Core Interior
- Great Lakes Islands

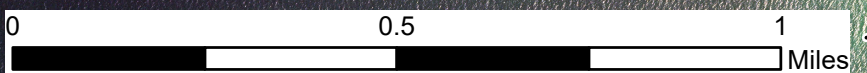
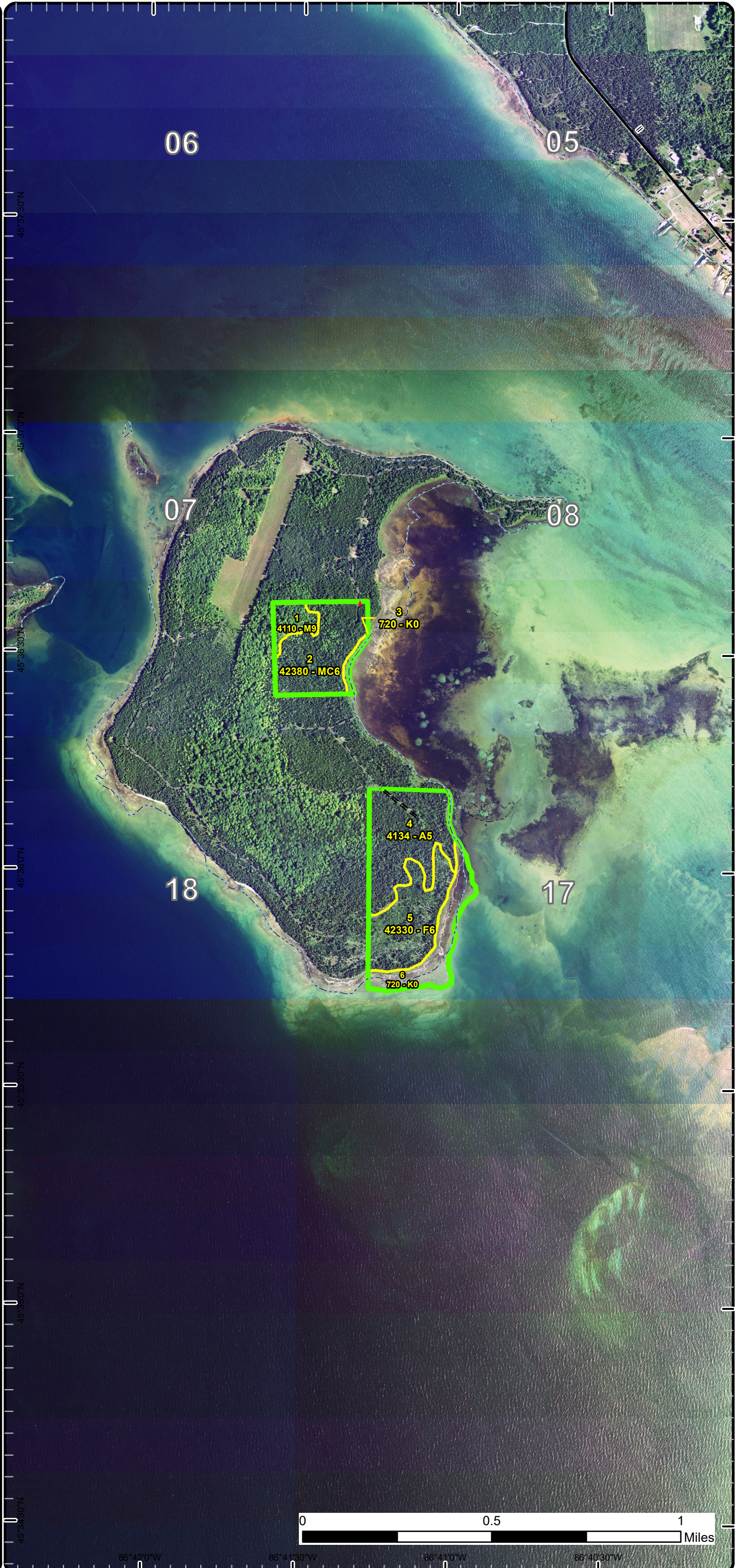


# Stand Boundary Map

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review



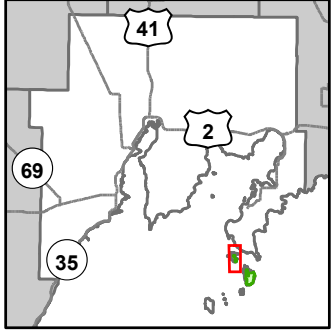
- + Remonumented Section Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Shoreline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 720 - Exposed Rock



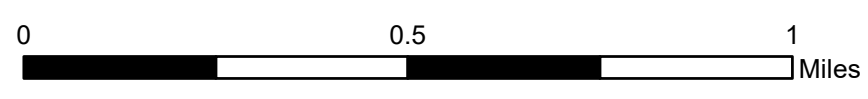
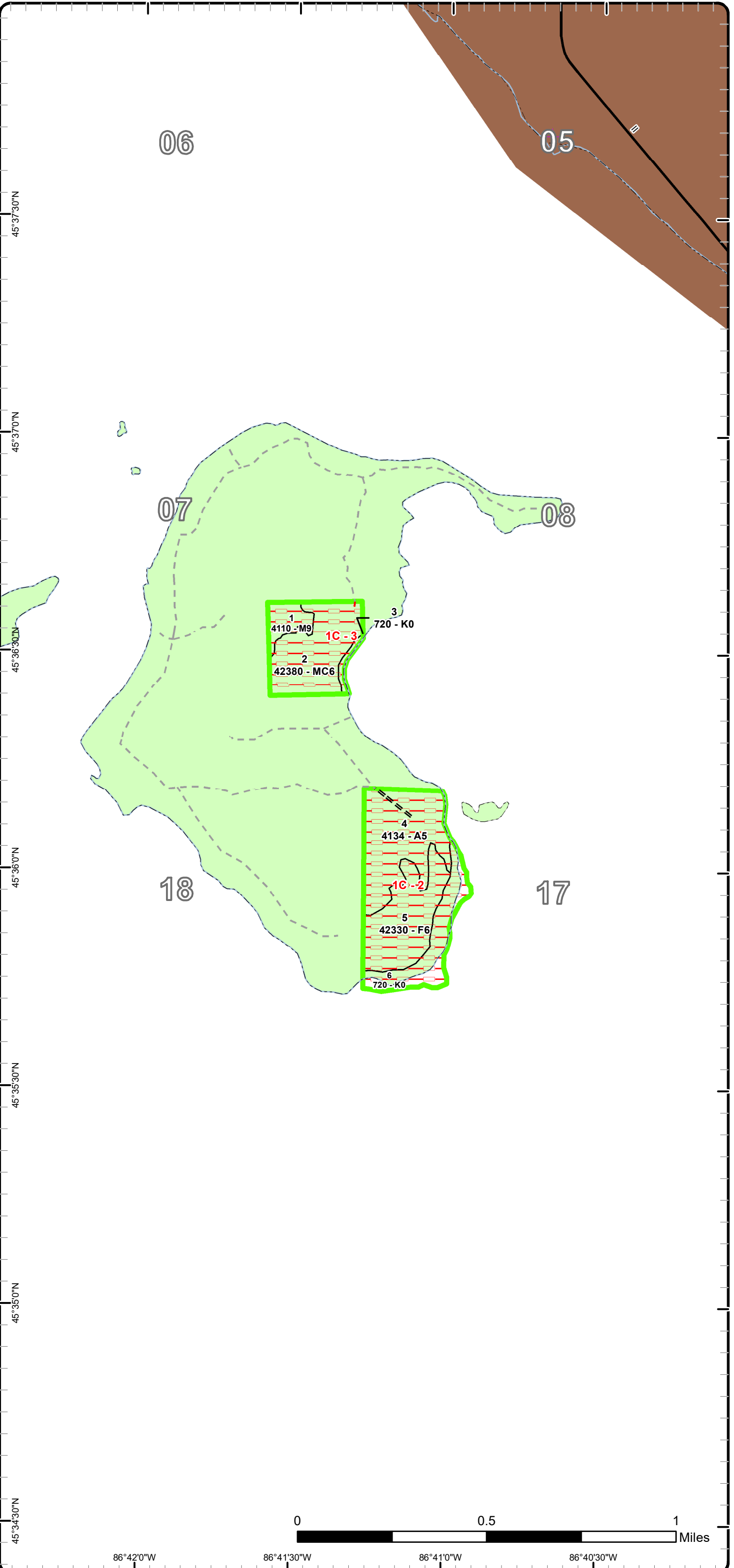
86°42'0"W      86°41'30"W      86°41'0"W      86°40'30"W

# Special Conservation Areas

Compartment: 200  
 T37N,R19W, Sec: 7, 17  
 County: Delta  
 Unit: Shingleton  
 Mgmt Area: Escanaba Lake and Till Plain  
 YOE: 2025  
 Acres: 1488 GIS Calculated  
 Examiner: Adam Petrelius  
 Map Revised: 8/15/2023  
 Map Phase: Review



- ✚ Remonumented Section Corners
- - - Counties
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- · - County - Gravel Road
- - Private - Dirt / Gravel Road
- Shoreline
- ▭ Compartment Boundary
- ▭ Unavailable
- 1C: Other dept or div proc/practices
- ▭ Stand Boundaries
- Deer Winter Range
- Great Lakes Islands



86°42'0"W      86°41'30"W      86°41'0"W      86°40'30"W

45°37'30"N  
45°37'0"N  
45°36'30"N  
45°36'0"N  
45°35'30"N  
45°35'0"N  
45°34'30"N







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	0	0	0	0	0	35	0	0	0	0	0	0	0	0	35
Cedar	0	0	0	0	0	0	0	85	0	0	0	0	243	0	0	0	0	0	328
Exposed Rock	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Northern Hardwood	0	0	0	0	26	0	0	0	0	0	696	0	0	0	0	0	0	0	722
Upland Conifers	0	0	0	0	0	269	0	28	0	0	0	0	0	0	0	0	0	0	297
Upland Mixed Forest	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Upland Spruce/Fir	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
<b>Total</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>269</b>	<b>0</b>	<b>113</b>	<b>13</b>	<b>35</b>	<b>696</b>	<b>0</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1488</b>



## Report 2 – Treatment Summary

**Shingleton Mgt. Unit**

**Year of Entry: 2025**

**Acres of Harvest**

**Compartment 200**

**Total Compartment Acres: 1,488**

---

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

---



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

Total Treatment  
Acreage Proposed: 0

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Adam Petrelius : Examiner

Compartment: 200  
Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres <i>Acres Avail</i> With Condition	Acres Not Available	Dominant Site Conditions		
				1C	3A	
35	0	<b>0</b>	35	Aspen	35	
329	0	<b>0</b>	329	Cedar		329
66	0	<b>0</b>	66	Exposed Rock	19	47
722	0	<b>0</b>	722	Northern Hardwood	6	716
297	0	<b>0</b>	297	Upland Conifers	28	269
13	0	<b>0</b>	13	Upland Mixed Forest		13
27	0	<b>0</b>	27	Upland Spruce/Fir	27	
1,488	0		1,488	Total Forested Acres	115	1,373
	0%		100%	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
2	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	79	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Island							
3	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Island							
5	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	1,373	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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
----------	--------------	-------------	----------------	-------

---

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	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.
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	4110 - Sugar Maple Association	Sawtimber Well	6.3	98	111-140	N/A	fire scars on old pine stumps present.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>85</td> <td>Log/Pole/XLog</td> <td>16</td> <td>98</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	85	Log/Pole/XLog	16	98	Paper Birch	10	Pole/Log	10		Beech	5	XLog/Log	22		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling	Sugar Maple	Low	10 - 20 feet	Sapling	Ironwood	Low	10 - 20 feet	Sapling	
Canopy Species	% Cover	Size Class	DBH	Age																																				
Sugar Maple	85	Log/Pole/XLog	16	98																																				
Paper Birch	10	Pole/Log	10																																					
Beech	5	XLog/Log	22																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Low	5 - 10 feet	Sapling																																					
Sugar Maple	Low	10 - 20 feet	Sapling																																					
Ironwood	Low	10 - 20 feet	Sapling																																					
2	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	27.6	60	111-140	N/A	aspen and birch are starting to die out and stand is being replaced with a dense cedar and fir understory. Some open areas exist within stand.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>50</td> <td>Pole</td> <td>6</td> <td>60</td> </tr> <tr> <td>Northern White Cedar</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	10	Pole	10		Balsam Fir	50	Pole	6	60	Northern White Cedar	15	Pole/Sapling	6		Quaking Aspen	25	Pole/Log	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	High	10 - 20 feet	Sapling	Balsam Fir	High	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Paper Birch	10	Pole	10																																					
Balsam Fir	50	Pole	6	60																																				
Northern White Cedar	15	Pole/Sapling	6																																					
Quaking Aspen	25	Pole/Log	10																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Northern White Cedar	High	10 - 20 feet	Sapling																																					
Balsam Fir	High	10 - 20 feet	Sapling																																					
3	720 - Exposed Rock	Nonstocked	1.6			No																																		
4	4134 - Aspen, Spruce/Fir	Poletimber Medium	34.6	80		N/A	Most of the overstory is dying and stand is converting to fir																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>50</td> <td>Pole/Log</td> <td>12</td> <td>80</td> </tr> <tr> <td>Balsam Fir</td> <td>30</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Pole/Log	12	80	Balsam Fir	30	Pole	7		Paper Birch	10	Pole	10		Northern White Cedar	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling	Northern White Cedar	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Quaking Aspen	50	Pole/Log	12	80																																				
Balsam Fir	30	Pole	7																																					
Paper Birch	10	Pole	10																																					
Northern White Cedar	10	Pole	6																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	High	10 - 20 feet	Sapling																																					
Northern White Cedar	Medium	10 - 20 feet	Sapling																																					
5	42330 - Upland Fir	Poletimber Well	27.1	30	51-80	N/A	overstory has mostly died and stand is now younger fir																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>85</td> <td>Pole/Sapling</td> <td>5</td> <td>30</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Log/Pole	12		Paper Birch	5	Log/Pole	12		Northern White Cedar	5	Pole	9		Balsam Fir	85	Pole/Sapling	5	30	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Full</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Full	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																				
Quaking Aspen	5	Log/Pole	12																																					
Paper Birch	5	Log/Pole	12																																					
Northern White Cedar	5	Pole	9																																					
Balsam Fir	85	Pole/Sapling	5	30																																				
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Full	10 - 20 feet	Sapling																																					
6	720 - Exposed Rock	Nonstocked	17.5			No																																		
7	42360 - Upland Cedar	Poletimber Well	85.2	67	111-140	N/A																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>90</td> <td>Pole</td> <td>9</td> <td>67</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	90	Pole	9	67	Paper Birch	10	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																				
Northern White Cedar	90	Pole	9	67																																				
Paper Birch	10	Pole	7																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Low	5 - 10 feet	Sapling																																					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

<b>8</b>	42360 - Upland Cedar	Sawtimber Poor	52.4	110		N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		2	Log	14		Balsam Fir	
Quaking Aspen		13	Log	12		Low	
Northern White Cedar		80	Pole/Log	10	110	Variable	
Black Spruce		3	Pole	6		Sapling	
Hemlock		2	Log	12			

<b>10</b>	4319 - Mixed Upland Forest	Sawtimber Well	13.0	74	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Yellow Birch		50	Log	14	74	Sugar Maple	
Northern White Cedar		40	Log	12		Medium	
Hemlock		5	Log	14		10 - 20 feet	
White Spruce		5	Log	14		Sapling	

<b>11</b>	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	269.4	40	81-110	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		50	Pole	5	40	Quaking Aspen	
Northern White Cedar		25	Pole	9		Medium	
Red Maple		5	Log	12		10 - 20 feet	
Paper Birch		10	Pole	5		Sapling	
Quaking Aspen		10	Log	12		Balsam Fir	
						High	
						5 - 10 feet	
						Sapling	

<b>12</b>	4110 - Sugar Maple Association	Sawtimber Well	689.3	98	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		5	Log	10		Sugar Maple	
Red Maple		3	Pole	8		High	
Northern White Cedar		2	Pole/Log	8		5 - 10 feet	
Sugar Maple		90	Log	14	98	Sapling	
						Red Maple	
						Low	
						5 - 10 feet	
						Sapling	

<b>13</b>	720 - Exposed Rock	Nonstocked	14.9			No	
-----------	--------------------	------------	------	--	--	----	--

<b>15</b>	4110 - Sugar Maple Association	Poletimber Well	26.4	35	1-50	N/A	sugar maple is replacing dying paper birch and aspen
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		8	Log	12		Sugar Maple	
Paper Birch		2	Log	10		Medium	
Sugar Maple		90	Pole/Sapling	5	35	5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

<b>16</b>	42360 - Upland Cedar	Sawtimber Well	191.0	110	111-140	N/A	south end changes a bit and has more fir mix with birch that is dying
-----------	----------------------	----------------	-------	-----	---------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	13	Log	12		Balsam Fir	Low	Variable	Sapling
Black Spruce	3	Pole	6					
Northern White Cedar	80	Pole/Log	10	110				
White Pine	2	Log	14					
Hemlock	2	Log	12					

<b>18</b>	720 - Exposed Rock	Nonstocked	31.6			No	
-----------	--------------------	------------	------	--	--	----	--