



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45102

Entry Year 2025

Acreage: 1,869

County Mackinac

Management Area: St. Ignace Lake Plain

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**Stand Examiner:** Cody Flatt

## Legal Description:

T42N-R6W, Sections 10, 11, 14 & 15

## Identified Planning Goals:

Compartment 102 is located 1 mile due north of Brevort, MI and U.S. Highway 2. Management this entry will include; selection cuts of northern hardwood stands to improve quality, and promote growth. These selections will favor the retention of species such as hemlock, yellow birch, black cherry, etc. There is a shelterwood harvest and a seed tree harvest scheduled for upland mixed stands with white pine to promote regeneration of white pine. Multiple openings have proposed treatments to maintain the openings.

## Soil and topography:

The topography of this compartment is generally flat-rolling, with the exception of the Little Brevort River & Flood Plain that meanders flowing west to east through the heart of the compartment. There are areas along the Little Brevort where there are significantly high, steep banks.

The soils of the compartment are dominated by Wallace sands in the upland areas. There are some wetter soil types (Spot-Finch, Markey-Carbondale mucks) adjoining and within the Little Brevort River corridor.

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

There are substantial areas of private holdings, which outline the southern boundary of the compartment. The majority of the area under private ownership is northern hardwood forest and being actively managed. There are some residences along the Carp River Truck Trail and Worth Road (south of the compartment). There are two 40 acre parcels held by Sand Products Inc. in the northwest part of the compartment. There are no signs of development on these properties at this time. Surrounding the compartment the only private ownership is to the south (U.S.-2, Brevort). State owned lands entirely border the compartment to the north and west.

## Unique Natural Features:

There is a potential for rare threatened or endangered plant and animal species within the compartment. Any management will be according to work instructions and guidelines for any species found.

## Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

## Special Management Designations or Considerations:

None

## Watershed and Fisheries Considerations:

The northeast region of this compartment contains an unnamed stream that serves as a tributary to Silver Creek. The unnamed stream is a designated Type 1 trout stream less than 50 feet wide and has a predicted mean July water temperature of 58.0 °F (cold stream). A 300-foot buffer is recommended for the unnamed stream in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffer is recommended in accordance with Best Management Practices.

The central region of this compartment contains the Little Brevoort River. The Little Brevoort River is a designated Type 1 trout stream less than 50 foot wide and has a predicted mean July temperature of 62.1 °F (cold stream). A 300-foot buffer is recommended for the Little Brevoort River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffer is recommended in accordance with Best Management Practices.

The southern region of this compartment contains an unnamed water body that serves as a tributary to Lake Michigan. The unnamed stream is a non-designated stream less than 50 feet wide and has a predicted mean July water temperature of 53.6 °F (cold stream). A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended in accordance with Best Management Practices.

### **Wildlife Habitat Considerations:**

This compartment is part of the St. Ignace Lake Plain Management Area. Northern hardwoods, mixed hardwoods, and aspen are common. The Little Brevoort River and an associated band of lowland mixed conifer riparian area runs across the compartment. It contains habitat components favorable to species like American marten, blackburnian warbler, and black bear. Some northern hardwoods will be treated to encourage new growth, improving the age class and structural diversity of these stands while retaining some larger trees and mast-producing species as well as hemlock that will benefit species ranging from bear to hawks. Aspen stands will be left to continue maturing to support species like ruffed grouse. A number of openings are present but are filling in as succession occurs. Opportunities will be explored for maintaining these openings which, with other openings in the area, can be important habitat for sharp-tailed grouse, sandhill cranes, and other open land species as well as for deer and other species. The river and riparian area will be protected.

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

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between insufficient data to determine and 100 feet. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/limestone six miles to the northeast. 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. An active sand/gravel operation is more than two miles east, and an industrial sand mine is less than two miles west. Potential for sand (and perhaps minor amounts of gravel) exists within the compartment on the uplands. High-purity dolomite resources may occur beneath the compartment but are too deep to have significant economic value.

### **Vehicle Access:**

Vehicle access is good into and throughout the compartment. The Carp River truck Trail runs north-south through the compartment and is the main access to the compartment from these directions. Carp River Truck Trail can be accessed from the south via Worth Road (paved), which is ½ mile south of the compartment. US-highway 2 is located approximately 1/2 mile south of Worth Road. Within the compartment there are numerous two tracks and logging roads that make access to most areas possible. Miller Truck Trail enters the compartment from the west and intersects with Carp River Truck Trail providing compartment access from the west. Goodreau Road runs along the north boundary of the compartment crossing Carp River Truck Trail providing access from the east and west

### **Survey Needs:**

There will be blue line needed this entry for timber sale prep. There should be adequate corners for this entry.

### **Recreational Facilities and Opportunities:**

The only developed recreation facilities within this compartment are snowmobile trails 473, 470, and 2.

### **Fire Protection:**

Access is good within this compartment and should make it relatively easy to access most areas. The predominant cover type in the compartment is northern hardwoods, but there are large areas of open grass and some pine that could be potential fire concerns. Water source access is excellent as the Little Brevort River runs east/west through the center of the compartment. The bridge crossing the river on Carp River Truck Trail has been used as a water source area for previous fires and prescribed burns.

### **Additional Compartment Information:**

#### **The following reports from the Inventory are attached:**

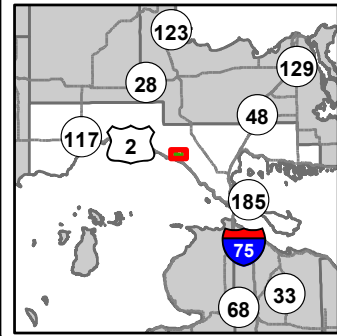
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

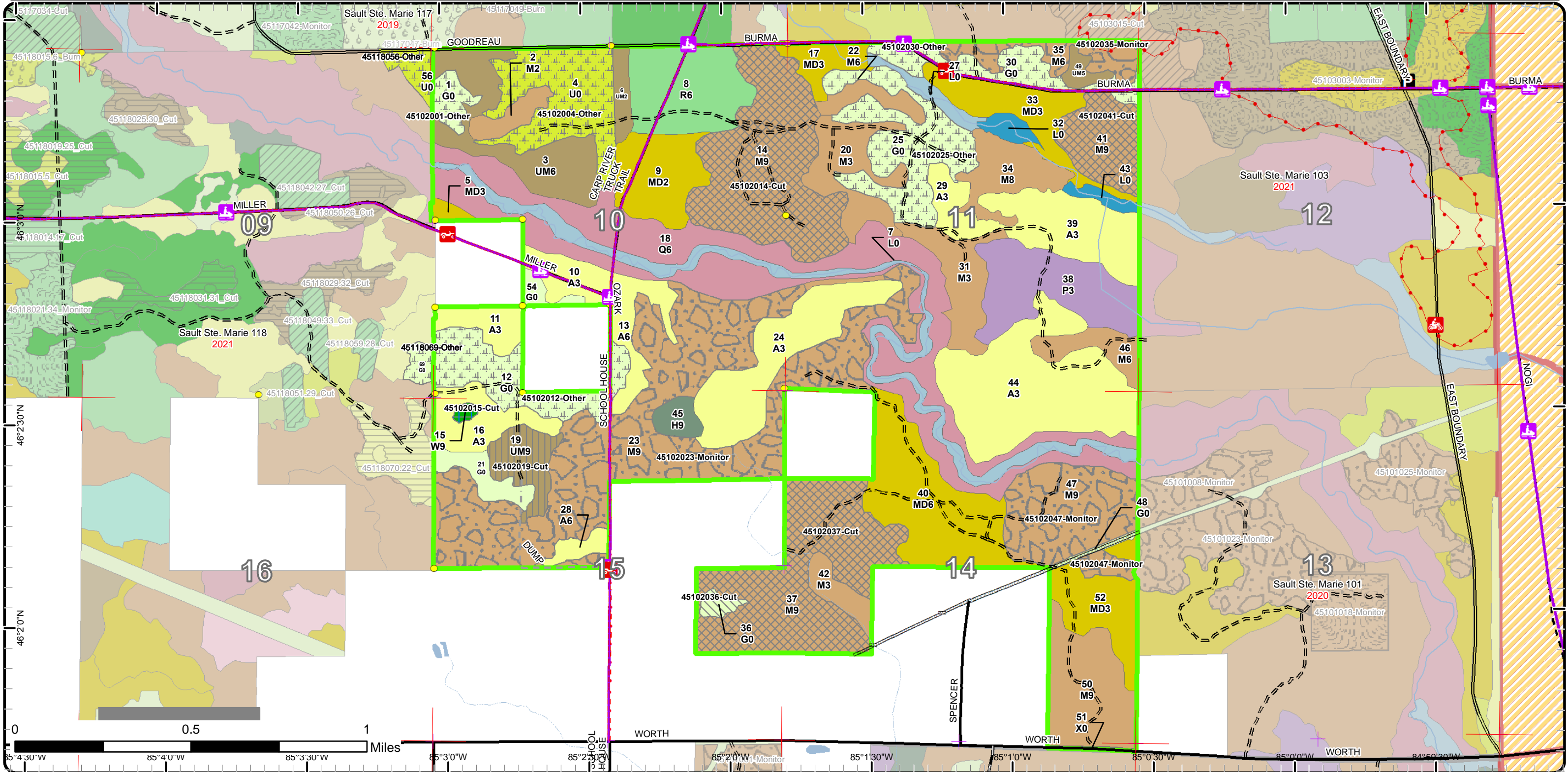
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 102  
 T42N, R06W, Sec: 10, 11, 14, 15  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: St. Ignace Lake Plain  
 YOE: 2025  
 Acres: 1868.9 GIS Calculated  
 Examiner: Cody Flatt  
 Map Revised: 8/7/2023  
 Map Phase: Web Post

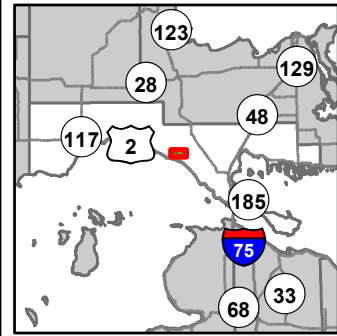


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - Federal / State - Dirt / Gravel Road
- . - County - Gravel Road
- - Private - Dirt / Gravel Road
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- 🚲 ORV Routes
- 🚲 Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- ORV License & Trail Permit
- Designated ORV Route
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- 🚗 Airports
- 🟩 Compartment Boundary
- 🏠 Other Harvest - See Comments
- 🏠 Other Treatment - See Comments
- 🏠 Selection (Group, Single Tree)
- 🏠 Regeneration Survey
- 🏠 Shelter Wood (w/Reserves)
- 🏠 411 - Northern Hardwood
- 🏠 413 - Aspen
- 🏠 419 - Mixed Upland Deciduous
- 🏠 421 - Planted Pines
- 🏠 422 - Natural Pines
- 🏠 423 - Other Upland Conifers
- 🏠 430 - Upland Mixed Forest
- 🏠 611 - Lowland Deciduous Forest
- 🏠 612 - Lowland Coniferous Forest
- 🏠 122 - Roads/Parking Lot
- 🏠 310 - Herbaceous Openland
- 🏠 330 - Low Density Trees
- 🏠 622 - Lowland Shrub
- 🏠 629 - Mixed Non-forested Wetland

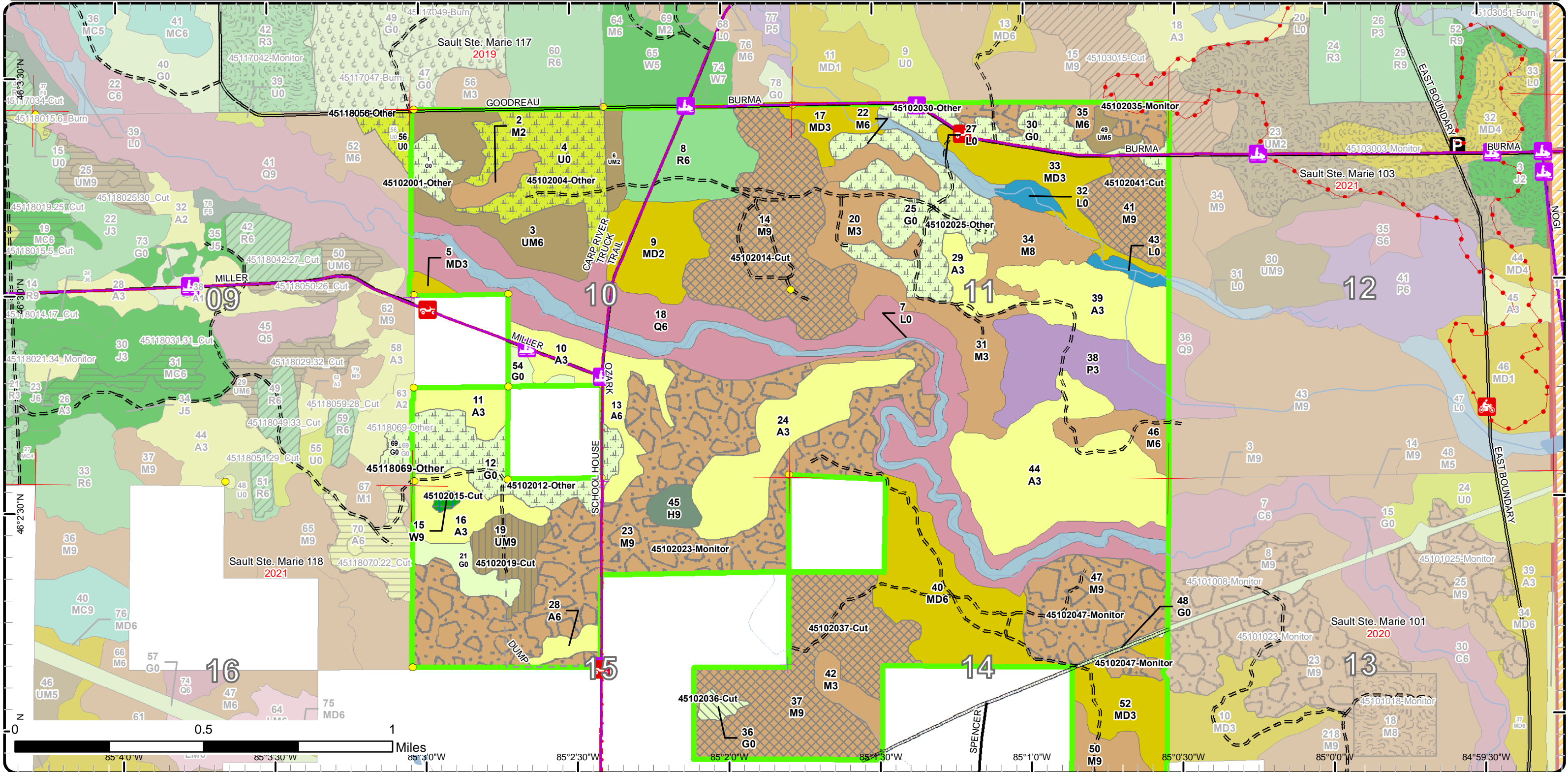


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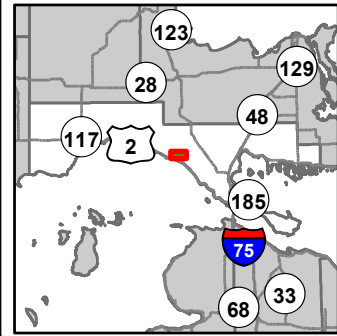


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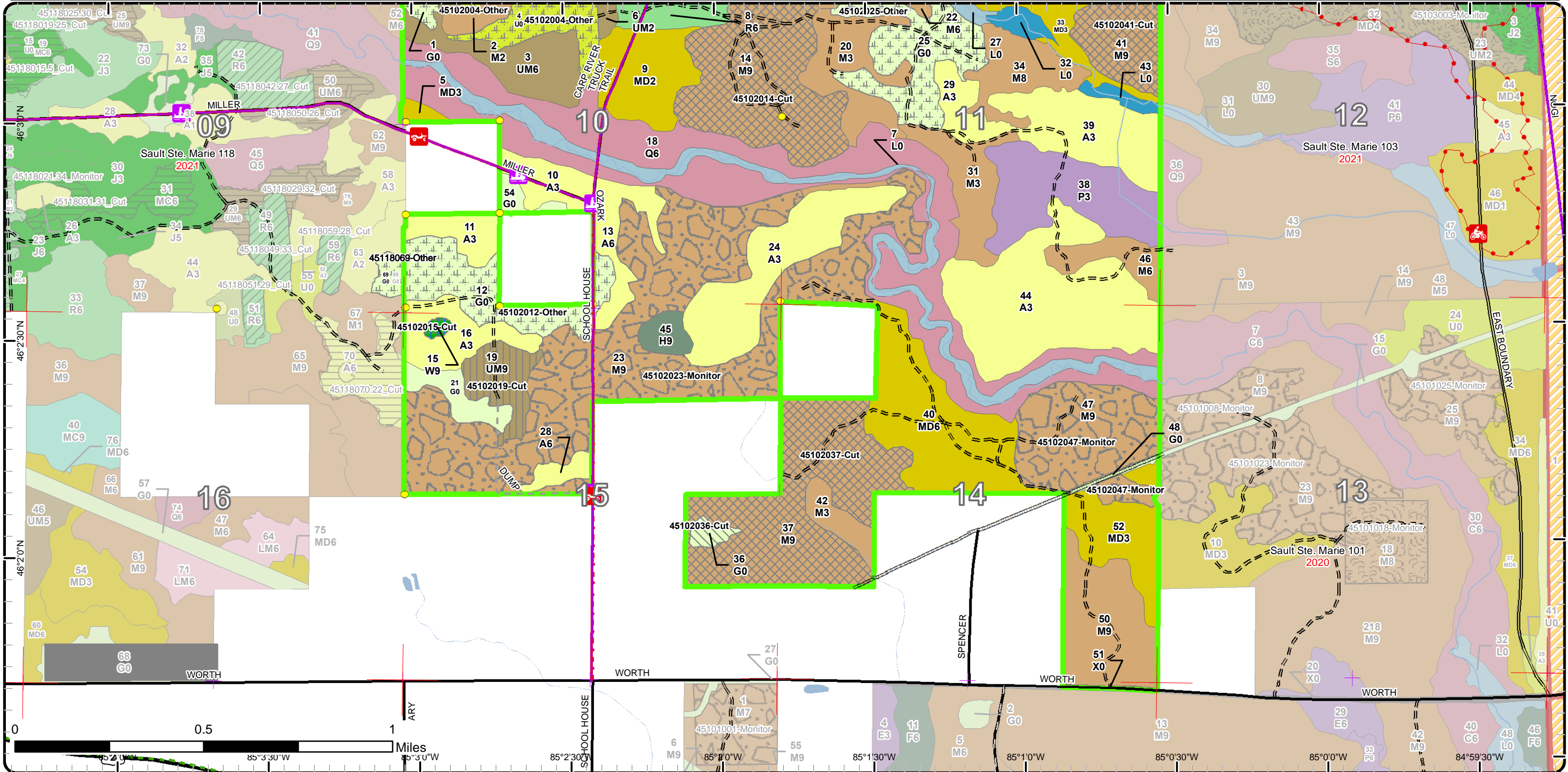


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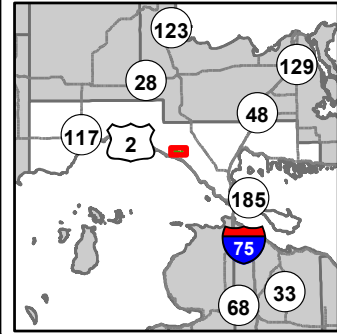


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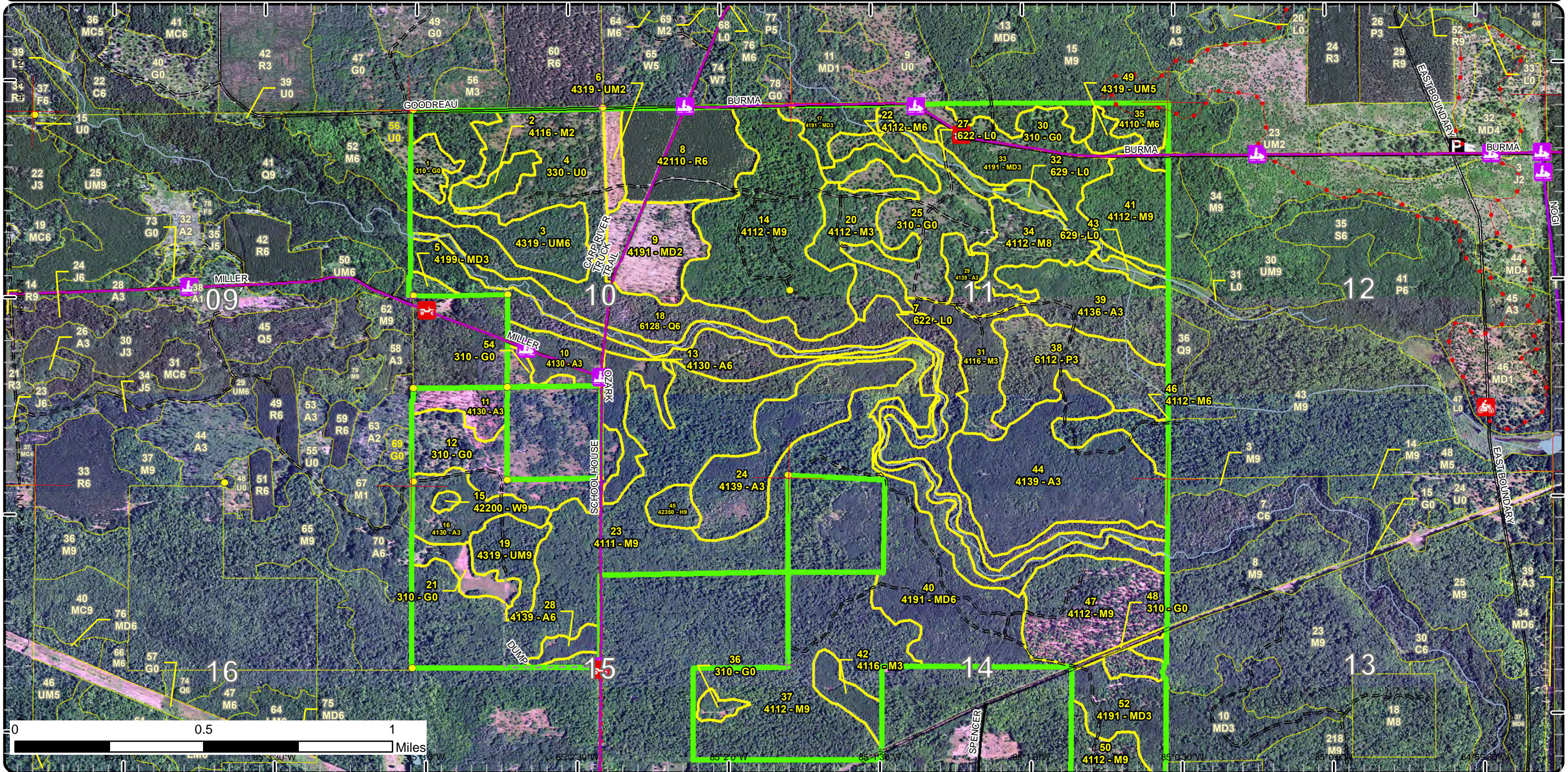


# Stand Boundary Map

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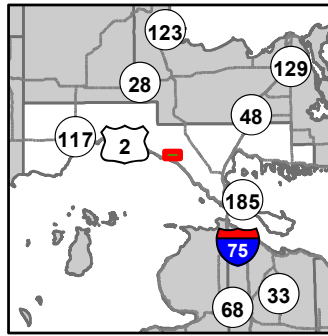


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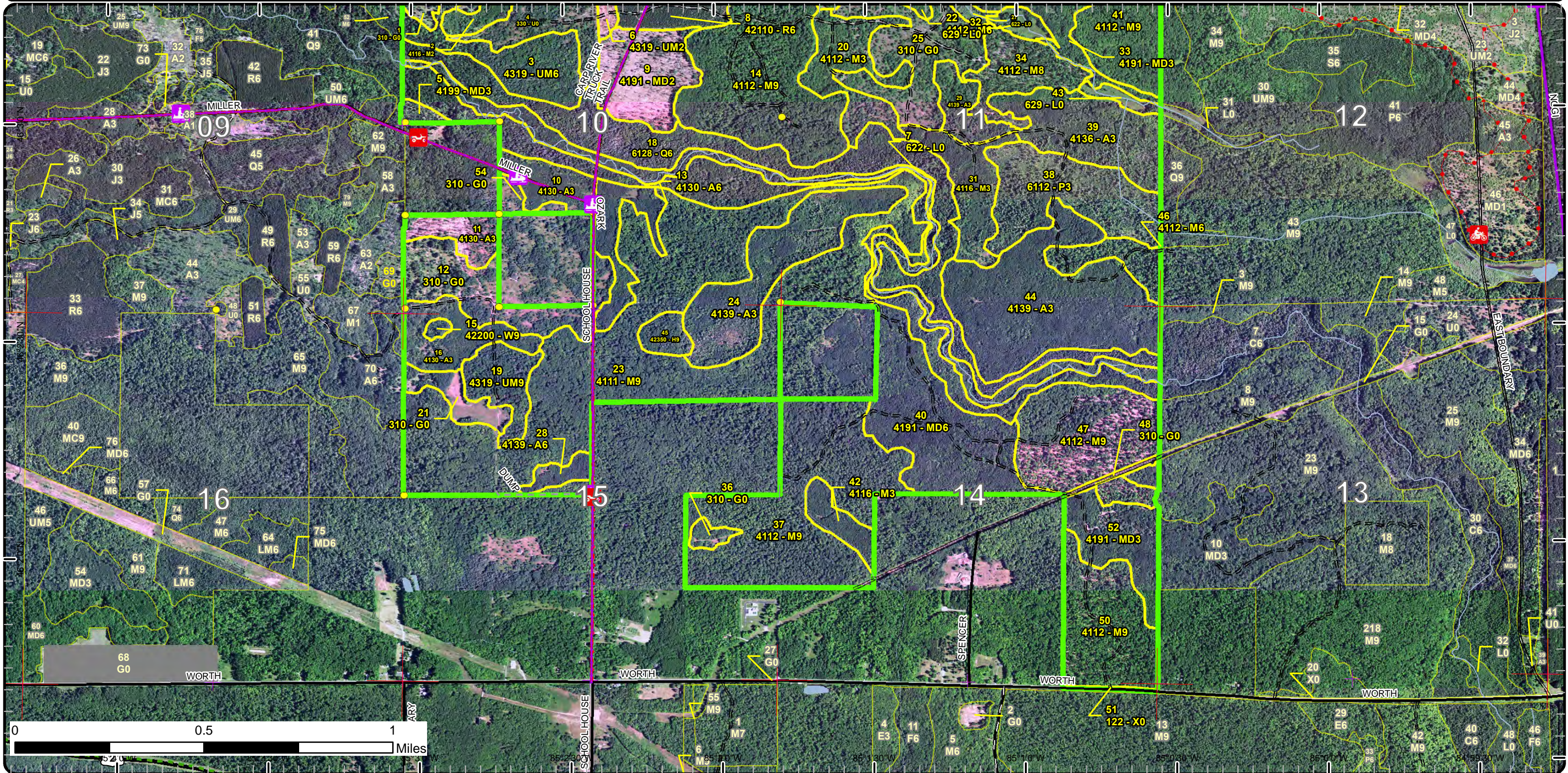


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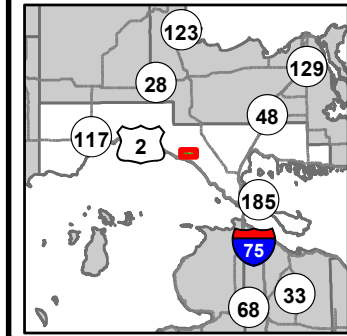


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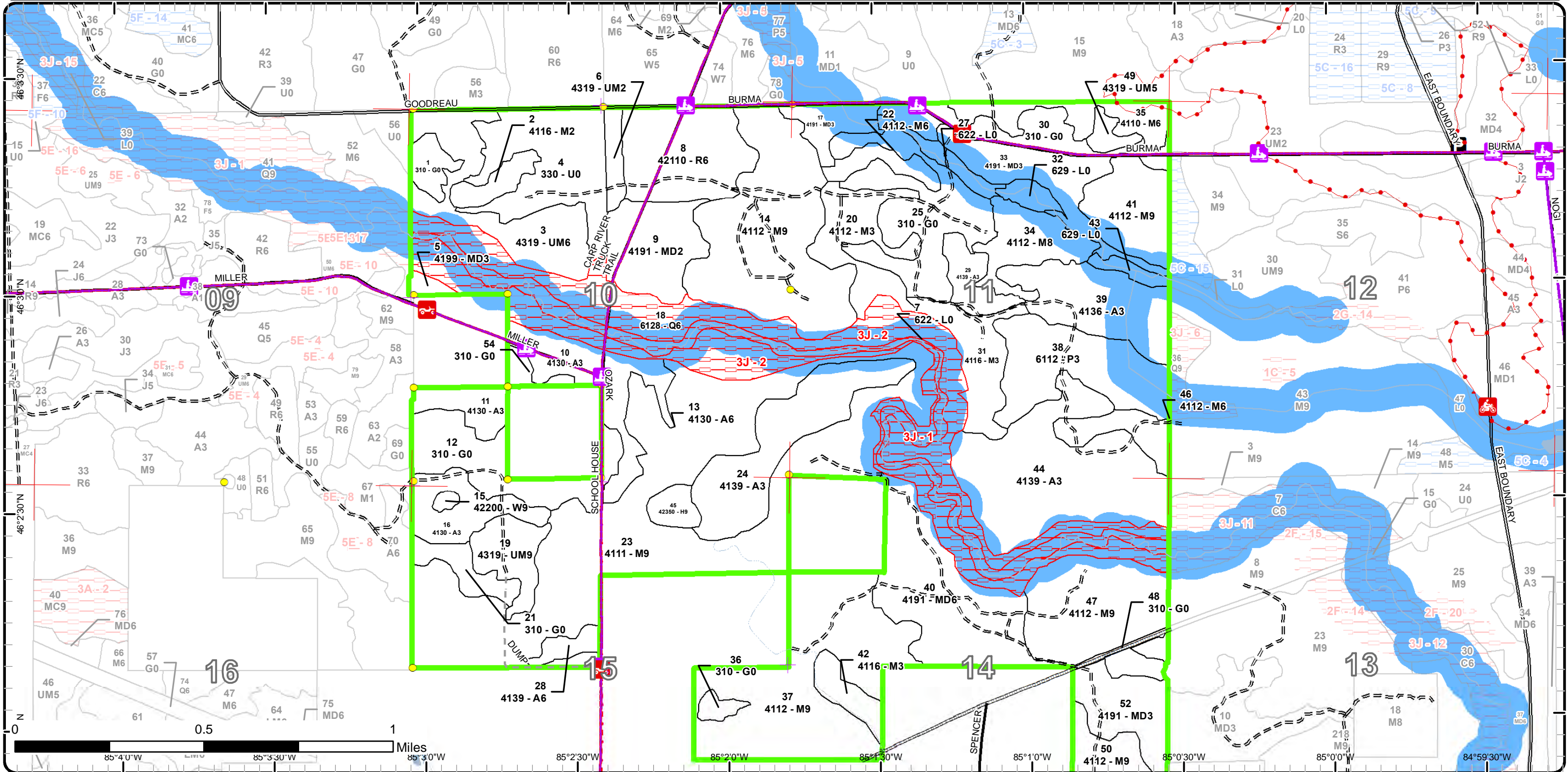


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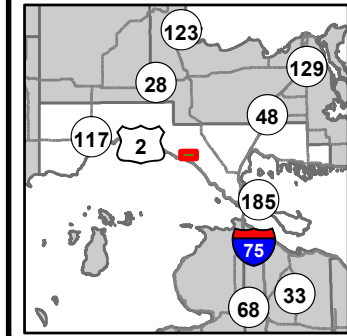
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- Compartment Boundary
- Unavailable
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



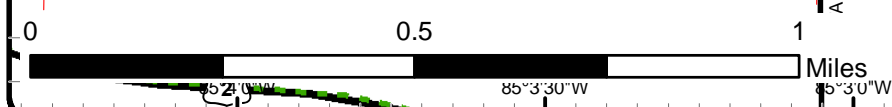
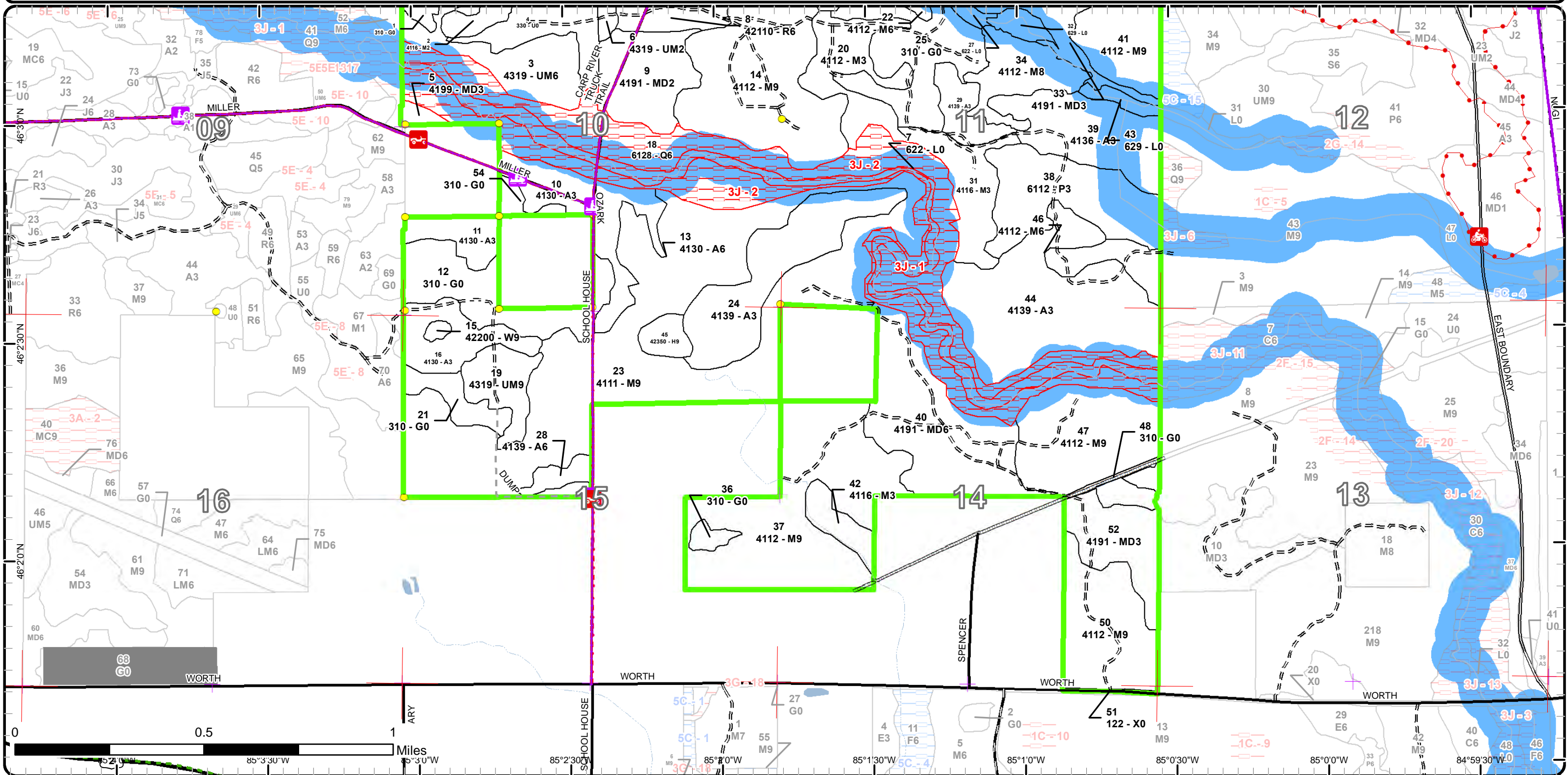


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- Airports
- Compartment Boundary
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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	14	17	101	129	35	0	0	0	0	0	0	0	0	0	0	0	0	296
Hemlock	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Herbaceous Openland	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159
Low-Density Trees	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Lowland Aspen/Balsam Poplar	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Conifers	0	0	0	0	0	0	0	169	0	0	0	0	0	0	0	0	0	0	169
Lowland Shrub	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Mixed Upland Deciduous	0	37	4	34	14	105	0	0	0	0	0	0	0	0	0	0	0	0	193
Northern Hardwood	0	0	0	10	70	0	42	0	23	227	225	0	0	0	0	0	0	138	734
Red Pine	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Upland Mixed Forest	0	8	0	0	0	53	0	0	0	0	20	0	0	0	0	0	0	0	81
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
<b>Total</b>	<b>282</b>	<b>59</b>	<b>73</b>	<b>196</b>	<b>213</b>	<b>193</b>	<b>42</b>	<b>169</b>	<b>23</b>	<b>227</b>	<b>253</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>138</b>	<b>1867</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2025

Acres of Harvest

Compartment 102  
Total Compartment Acres: 1,869

Commercial Harvest - 270  
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
Herbaceous Openland	0	0	0	0	0	0	0	4	4	4
Northern Hardwood	0	244	0	0	0	0	0	0	0	244
Upland Mixed Forest	0	0	0	0	20	0	0	0	0	20
White Pine	0	0	0	2	0	0	0	0	0	2
<b>Total</b>	<b>0</b>	<b>244</b>	<b>0</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>270</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	270	0	0	0	0	0	310	189	0	769
Next Step	0	0	0	0	189	189	266	189	0	833
<b>Total</b>	<b>270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>189</b>	<b>189</b>	<b>576</b>	<b>378</b>	<b>0</b>	<b>1601</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

1	45102001- Other	9.2	310 - Herbaceous Openland	Nonstocked			Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Openings maintenance via appropriate method (cutting, burning, etc.) &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting.</p> <p><u>Next Step Treatments:</u> Other, Other; Burn, Lowland; Pesticide, Other - Specify</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
4	45102004- Other	54.8	330 - Low-Density Trees	Nonstocked			Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Openings maintenance via appropriate method (cutting, burning, etc.) &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting.</p> <p><u>Next Step Treatments:</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	45102012- Other	41.3	310 - Herbaceous Openland	Nonstocked			Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Openings maintenance via appropriate method (cutting, burning, etc.) &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting.</p> <p><u>Next Step Treatments:</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
14	45102014-Cut	103.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	89	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Mark stand to 60-80 BA. Leave all hemlock, oak and healthy beech if they are present to maintain species diversity.  <u>Specs:</u> Create gaps to promote hardwood regeneration and consider expanding existing gaps where good regeneration already exists. Treatment acreage may vary due to areas of low volume.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> Acceptable regeneration will consist of any mix of maple, balsam fir, spruce, hemlock, aspen, birch, white pine, or cherry.  <u>Other</u> Do not go down ridge on south end of stand, keep red line at top of ridge.  <u>Comment:</u> Consider utilizing tops to discourage deer browse in areas.  <u>Site Condition</u>                      Proposed Start Date: 10/1 /2024</p>											
15	45102015-Cut	1.8	42200 - Natural White Pine	Sawtimber Well	100	81-110	Harvest	Seed Tree with Retention	4220 - Natural White Pine	Even-Aged	No
<p><u>Prescription</u> Leave 1-2 white pine per acre. Cut all other trees that are 4" or greater at DBH.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> White pine, sugar maple, red maple, yellow birch, paper birch, aspen, and black cherry.  <u>Other</u> Treatment size may vary  <u>Comment:</u>  <u>Site Condition</u>                      Proposed Start Date: 10/1 /2024</p>											
19	45102019-Cut	19.8	4319 - Mixed Upland Forest	Sawtimber Well	90	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Leave tree mark stand to 30-40 BA under areas of heavier white pine canopy to promote white pine regeneration, and areas under heavier hardwood canopy to 50-60 BA. Retain under represented species where possible.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> Sugar maple, red maple, yellow birch, paper birch, black cherry, aspen, white pine.  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>                      Proposed Start Date: 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>25 45102025-Other</b>	55.7	310 - Herbaceous Openland	Nonstocked		Unspecified	Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription</u> Openings maintenance via appropriate method &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>30 45102030-Other</b>	28.0	310 - Herbaceous Openland	Nonstocked		Unspecified	Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription</u> Openings maintenance via appropriate method &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>35 45102035-Monitor</b>	22.5	4110 - Sugar Maple Association	Poletimber Well	75	51-80	Monitoring	Natural Regen (Intermediate)	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Regen check for acceptable regeneration per work instruction.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration will consist of any mix of maple, balsam fir, spruce, hemlock, aspen, birch, white pine, or cherry.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>36</b>	<b>45102036-Cut</b>	4.1	310 - Herbaceous Openland	Nonstocked		Unspecified	Harvest	Other - Specify	310 - Herbaceous Openland	No
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Prescription Opening maintenance cut. Cut all trees in stand.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>37</b>	<b>45102037-Cut</b>	108.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
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Prescription Mark stand to 70-80 BA. Leave all hemlock, oak and healthy beech if they are present to maintain species diversity.

Specs: Create gaps to promote hardwood regeneration and consider expanding existing gaps where good regeneration already exists. Treatment acreage may vary.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regeneration will consist of any mix of maple, balsam fir, spruce, hemlock, aspen, birch, white pine, or cherry.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>41</b>	<b>45102041-Cut</b>	32.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	59	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
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Prescription Mark stand to 60-80 BA. Leave all hemlock, oak and healthy beech if they are present to maintain species diversity.

Specs: Create gaps to promote hardwood regeneration and consider expanding existing gaps where good regeneration already exists. Treatment acreage may vary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration will consist of any mix of maple, balsam fir, spruce, hemlock, aspen, birch, white pine, or cherry.

Regen:

Other

Consider utilizing tops to discourage deer browse in areas.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>47 45102047-Monitor</b>	62.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	87	51-80	Monitoring	Natural Regen (Intermediate)	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Regen check per work instructions</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, cherry, birch, aspen</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>56 45118056-Other</b>	8.8	330 - Low-Density Trees	Nonstocked		Unspecified	Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription</u> Out of YOE: Openings maintenance via appropriate method (cutting, burning, etc.) &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting, treat with adjacent stand 1 in compartment 102.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>69 45118069-Other</b>	5.1	3105 - Mixed Upland Herbaceous	Nonstocked		Unspecified	Other	Other	310 - Herbaceous Openland		No
<p><u>Prescription</u> Out of YOE: Openings maintenance via appropriate method (cutting, burning, etc.) &amp; invasive species control as necessary, possible herbaceous planting and/or wildlife mast tree or shrub planting, treat with adjacent stand 12 in compartment 102.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Other, Other; Burn, Opening; Pesticide, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Approved Treatments:**

<b>23 45102023-Monitor</b>	224.8	4111 - S.Maple, Hard Mast Association	Sawtimber Well	90	51-80	Monitoring	Natural Regen (Intermediate)	4111 - S.Maple, Hard Mast Association	Uneven-Aged	No
<p><u>Prescription</u> Regen check per work instructions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regeneration will consist of any mix of maple, balsam fir, spruce, hemlock, aspen, birch, white pine, or cherry.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p>										





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Site Condition

Proposed Start Date: 10/1 /2023

**Total Treatment Acreage Proposed: 782.5**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt : Examiner

Compartment: 102

Year of Entry: 2025

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

3J

296	296	0	0	Aspen	
8	8	0	0	Hemlock	
159	159	0	0	Herbaceous Openland	
55	55	0	0	Low-Density Trees	
52	52	0	0	Lowland Aspen/Balsam Poplar	
169	0	0	169	Lowland Conifers	169
67	19	0	48	Lowland Shrub	48
193	193	0	0	Mixed Upland Deciduous	
737	737	0	0	Northern Hardwood	
51	51	0	0	Red Pine	
81	81	0	0	Upland Mixed Forest	
1	1	0	0	Urban	
2	2	0	0	White Pine	
1,871	1,654		217	Total Forested Acres	217
	88%		12%	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)	48	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Little Brevoort River							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	169	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
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Comments

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## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	310 - Herbaceous Openland	Nonstocked	9.2			No	Grass opening with some scattered spruce, pine, and cherry.
2	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	10.0	20	Immature	N/A	Filled in patch of grass opening. Cherry, maple aspen saplings with scattered spruce/fir/pine.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Quaking Aspen	40	Sapling	3		
		Red Maple	15	Sapling	3		
		Black Cherry	45	Sapling	3	20	
3	4319 - Mixed Upland Forest	Poletimber Well	47.5	40	51-80	N/A	Part of grass opening filled in with upland brush. True mix stand of conifer poles and hardwood saplings. Density is closer to 75% closer than 100%
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		White Spruce	25	Pole	6	40	
		White Pine	10	Pole	6		
		Red Maple	25	Sapling	3		
		Quaking Aspen	10	Sapling	3		
		Black Cherry	10	Sapling	3		
		Balsam Fir	20	Pole	5		
4	330 - Low-Density Trees	Nonstocked	54.8			No	Opening with patches of spruce/fir, pine, and cherry.
5	4199 - Other Mixed Upland Deciduous	Sapling Well	3.5	15	Immature	N/A	Cut in 2008.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Paper Birch	10	Sapling	2		
		Quaking Aspen	30	Sapling	2	15	
		Balsam Fir	10	Pole/Sapling	5		
		Red Maple	25	Sapling	2		
		Black Cherry	25	Sapling	2		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Maple (spp.)	Medium	Variable	Sapling		
		Black Cherry	Medium	Variable	Sapling		
6	4319 - Mixed Upland Forest	Sapling Medium	8.0	7	Immature	N/A	2016-Stand is planted mix of red and jack pine. Redpine is poor and jackpine is dying out.  2023-Mixed stand of medium stocked regen, some residual white pine from harvest.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Balsam Fir	15	Sapling	1		
		White Spruce	15	Sapling	1		
		Quaking Aspen	5	Sapling	2		
		White Pine	5	Pole/Log	9		
		Black Cherry	10	Sapling	1		
		Jack Pine	15	Sapling	1		
		Paper Birch	5	Sapling	1		
		Red Maple	30	Sapling	1	7	
7	622 - Lowland Shrub	Nonstocked	48.4		Unspecified	No	Little Brevoort River runs through this stand



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
<b>8</b>	42110 - Planted Red Pine	Poletimber Well	50.5	26	51-80	N/A	Stand was planted in 1997. Red pine is about 20' in height. There are some scattered jack pine throughout.																																								
<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>Jack Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>95</td> <td>Pole</td> <td>6</td> <td>26</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	5	Sapling/Pole	4		Red Pine	95	Pole	6	26																									
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Jack Pine	5	Sapling/Pole	4																																												
Red Pine	95	Pole	6	26																																											
<b>9</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	36.5	7	Immature	N/A	2023- Stand is regenerating to a mix of cherry, birch, maple 2013- Stand of planted white spruce and balsam. A few scattered aspen.																																								
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Black Cherry	15	Sapling	1																																												
White Spruce	10	Sapling	1																																												
<b>10</b>	4130 - Aspen	Sapling Well	16.8	18	Immature	N/A	Good looking aspen regen. Stand was cut in 2005.																																								
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<b>11</b>	4130 - Aspen	Sapling Well	14.4	7	Immature	N/A	Young aspen stand with scattered conifer and white pine.																																								
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<b>12</b>	310 - Herbaceous Openland	Nonstocked	41.4			No	Grass opening with some scattered cherry and white pine																																								
<b>13</b>	4130 - Aspen	Poletimber Well	20.4	40	51-80	N/A	Stand was cut in 1997 . Aspen poles mixed with some cherry and balsam fir.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>14</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103.6	89	81-110	N/A	Stand of poorer quality sugar maple with large mix of red maple. Was thinned in 2006 as part of 4th & 10 Mix 45-124-05. There are some areas with very low basal area due to the beech already dying out. Mixed regen where basal area is lower, heavily browsed maple regen where basal area was left higher.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Beech	2	Pole/Sapling	6			Maple (spp.)		Medium	< 5 feet	Seeding	
White Pine	3	Log/XLog	16			Beech		Medium	Variable	Sapling	
Balsam Fir	3	Pole/Sapling	5			Maple (spp.)		Medium	Variable	Sapling	
Black Cherry	3	Pole/Log	9								
Yellow Birch	1	Log	13								
Hemlock	1	Log	12								
Red Maple	39	Log	14								
Sugar Maple	47	Log	14	89							
White Spruce	1	Log/XLog	17								

<b>15</b>	42200 - Natural White Pine	Sawtimber Well	1.8	100	81-110	N/A	Nice white pine with some regeneration taking hold where canopy was opened up during previous harvest. Maple regen in most of stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen	2	Pole	5			White Pine		Medium	Variable	Sapling	
White Pine	90	XLog	18	100		Maple (spp.)		Medium	10 - 20 feet	Sapling	
Paper Birch	1	Pole	9			Maple (spp.)		Medium	< 5 feet	Seeding	
Red Maple	3	Pole	8								
Sugar Maple	4	Pole	9								

<b>16</b>	4130 - Aspen	Sapling Well	24.6	30	Immature	N/A	Younger aspen with cherry and some maple mixed in.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Cherry	30	Sapling	3				
Quaking Aspen	60	Sapling/Pole	4	30			
Red Maple	10	Sapling	3				

<b>17</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	14.2	33	Immature	N/A	Stand of mixed brush.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen	25	Sapling	3				
Black Cherry	25	Sapling	3				
Balsam Fir	20	Sapling	4				
Red Maple	30	Sapling	3	33			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>18</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	168.6	65	81-110	N/A	This area is wet low ground in the flood plain of the Little Brevoort River. Many areas lie between steep ridges. Stand varies along river.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Poplar	10	Log/Pole	10					
Balsam Fir	20	Pole	6					
White Pine	10	Log	12					
Red Maple	10	Log/Pole	11					
Black Spruce	25	Pole	8	65				
Quaking Aspen	10	Pole	8					

<b>19</b>	4319 - Mixed Upland Forest	Sawtimber Well	19.9	90	81-110	N/A	Mixed white pine and maple stand, heavy maple regeneration. Manage for the high volume of White Pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	10		Maple (spp.)	High	Variable	Sapling
Quaking Aspen	5	Log/Pole	10		White Pine	Low	< 5 feet	Sapling
White Pine	45	Log	15	90				
Black Cherry	10	Log/Pole	10					
Sugar Maple	35	Log/Pole	10					

<b>20</b>	4112 - Maple, Beech, Cherry Association	Sapling Well	31.7	30	Immature	N/A	Complete brush stand of mixed hardwoods, cherry, and some aspen. Within large grass opening that is filling in. Good wildlife habitat.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	45	Sapling	3	
Black Cherry	45	Sapling	3	30
Quaking Aspen	10	Sapling	2	

<b>21</b>	310 - Herbaceous Openland	Nonstocked	12.8			No	old dump site
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<b>22</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.2	55	51-80	N/A	Very poor quality maple and cherry that have grown from stump sprouts. Leave until some surrounding sapling stands have become pole stands.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Pole	6	
Black Cherry	30	Sapling/Pole	5	
Red Maple	50	Pole	8	55

<b>23</b>	4111 - S.Maple, Hard Mast Association	Sawtimber Well	225.1	90	51-80	N/A	Stand of good quality sugar maple with some beech and scattered yellow birch. Stand was cut as part of sale Kingdom's Joust, most in 2017 and the rest in winter 2022-23.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log/Pole	11	90	Beech	Medium	Variable	Sapling
Yellow Birch	5	Log	12		Maple (spp.)	Medium	Variable	Sapling
Beech	10	Log	12					
Red Maple	20	Log/Pole	11					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
<b>24</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	56.7	26	Immature	N/A	Stand was cut in 2001 as part of Broken Sherpa. Regeneration is mix of aspen, red maple, and some conifer. Some BAM and paper birch where ground is lower and wetter. Pockets of mature Hemlock.																																								
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<b>25</b>	310 - Herbaceous Openland	Nonstocked	55.7		Unspecified	No	Large grassy opening with scattered cherry, some patches of conifer and aspen.																																								
<b>27</b>	622 - Lowland Shrub	Nonstocked	8.0		Unspecified	No																																									
<b>28</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.6	35	51-80	N/A	Mix regeneration, mostly aspen. Just becoming pole size, still many saplings.																																								
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<b>30</b>	310 - Herbaceous Openland	Nonstocked	28.0		Unspecified	No																																									
<b>31</b>	4116 - Mixed N. Hardwood - Aspen	Sapling Well	27.3	30	51-80	N/A	Stand is basically maple and cherry brush with a few areas of birch. Not much to look at.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32** 629 - Mixed non-forested wetland Nonstocked 6.0 Unspecified No

**33** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 33.9 27 Immature N/A Brush of cherry, maple, and balsam

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Sapling/Pole	4	
Red Maple	25	Sapling	3	
White Spruce	20	Sapling	4	
Quaking Aspen	10	Sapling/Pole	4	
Black Cherry	25	Sapling	3	27

**34** 4112 - Maple, Beech, Cherry Association Sawtimber Medium 26.2 78 51-80 N/A Cut in 2016. Crashed Hardwoods 45-108-15-01. Good amount of maple regen at various heights.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Log/Pole	10	
Beech	2	Log	12	
White Spruce	5	Pole	9	
Hemlock	2	Log/Pole	11	
Sugar Maple	41	Log/Pole	11	78
Black Cherry	5	Log/Pole	10	
Balsam Fir	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	Variable	Sapling
Maple (spp.)	High	Variable	Sapling

**35** 4110 - Sugar Maple Association Poletimber Well 22.5 75 51-80 N/A Sugar maple dominated mixed hardwood stand. Last thinned in 2016, Crashed Hardwoods. #45-108-15-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	8	
Black Cherry	5	Pole	10	
Sugar Maple	75	Pole	10	75

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Low	Variable	Sapling

Thinned in 1999, Old Stump Hardwoods. Not a lot of noticeable regeneration in many areas post harvest, continue to monitor for acceptable regen.

**36** 310 - Herbaceous Openland Nonstocked 4.1 Unspecified Managed Opening Opening with some conifer and cherry growing near hardwood edge. Saplings growing into opening.

**37** 4112 - Maple, Beech, Cherry Association Sawtimber Well 108.2 86 81-110 N/A Most of stand was thinned in 2007 as part of Worth Road Hardwood 45-127-05. Consists of good quality sugar maple with some red maple, and yellow birch. Good amount of maple regen.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Log/Pole	12	86
Yellow Birch	10	Log/Pole	10	
Red Maple	25	Pole/Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Maple (spp.)	Medium	< 5 feet	Seeding
Maple (spp.)	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
<b>38</b>	6112 - Lowland Aspen	Sapling Well	52.2	16	Unspecified	N/A	Stand was cut in 2007. Aspen regeneration with scattered cedar and hemlock residual.																																																							
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<b>39</b>	4136 - Aspen, Mixed Conifer	Sapling Well	44.6	22	Immature	N/A	Cut in 2001. Mack mix regen.																																																							
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<b>40</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	72.3	40	81-110	N/A	Mackinac mix. Areas of more pure aspen are larger in diameter than areas with more dense conifer.																																																							
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<b>41</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.2	59	81-110	N/A	Mixed maple stand with some scattered hemlock and white pine, was last thinned in 1999 as part of sale Old Stump Hardwoods. Heavy deer browse on maple regeneration.																																																							
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<b>42</b>	4116 - Mixed N. Hardwood - Aspen	Sapling Well	11.4	35	51-80	N/A	Mackinac mix regeneration.																																																							
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<b>43</b>	629 - Mixed non-forested wetland	Nonstocked	4.8		Unspecified	No																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>44</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	97.6	33	51-80	N/A	Cut in 1990. Mix of aspen and everything else. Road going into stand is not much of a road anymore.																																																															
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<b>45</b>	42350 - Upland Hemlock	Sawtimber Well	8.0	90	141-170	N/A	Hemlock stand with mixed hardwood																																																															
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<b>46</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.1	80	81-110	N/A	Stand was thinned in 2007. Manage stand with adjacent compartment.																																																															
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<b>47</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	62.6	87	51-80	N/A	Thinned in 2016. Crashed Hardwoods #45-108-115-01																																																															
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<b>48</b>	310 - Herbaceous Openland	Nonstocked	2.4		Unspecified	No	Pipeline																																																															
<b>49</b>	4319 - Mixed Upland Forest	Poletimber Medium	5.4	40	51-80	N/A	Stand was part of opening, has filled in with conifer poles and hardwood saplings																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**50** 4112 - Maple, Beech, Cherry Association Sawtimber Well 49.2 88 51-80 N/A Beech cut in 2016. Crashed Hardwoods #45-108-15-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	75	Log	12	88	Maple (spp.)	Medium	Variable	Sapling
Red Maple	20	Log	12		Beech	High	Variable	Sapling
Yellow Birch	5	Pole	10					

**51** 122 - Road/Parking Lot Nonstocked 1.3 Unspecified No

**52** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 33.0 40 51-80 N/A Stand is a mix of aspen, maples, cherry, and balsam. Mackinac mix.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Sapling/Pole	4	40
Black Cherry	25	Sapling	3	
Sugar Maple	25	Sapling	2	
Balsam Fir	20	Sapling/Pole	4	

**54** 310 - Herbaceous Openland Nonstocked 5.2 No Grass opening with some scattered cherry and pine