



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45052

Entry Year 2022

Acreage: 2,909

County Chippewa

Management Area: Munuscong Bay

**Revision Date:** 2020-07-14

**Stand Examiner:** Josh Brinks

**Legal Description:**

T45N R1E Secs. 21, 27-29, 31-34

**Identified Planning Goals:**

Last entry there were two mature aspen stands that were harvested. One at the north end of the compartment and one near the center of the compartment. Both harvests were successful at regenerating a new stand of aspen. During this entry most of the treatments will be at the north end of the compartment. These treatments will help to break up the age class diversity of the area and improve wildlife habitat. There is one treatment in a hardwood stand at the south end of the compartment. Access from private landowners will be required to get into the compartment to harvest. Remnants of previous management are noticed mostly in the southeast part of the compartment with a few old overgrown roads and a couple small cedar strip cuts.

**Soil and topography:**

Markey Carbondale mucks make up the south and east parts of the compartment. Gaastra-Gogomain-Ingalls complexes with pockets of Markey muck are located in the central part. Both of these soil types are generally quite flat with a few low, almost indiscernible ridges throughout. Equipment problems and wind throw are associated with these soils.

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

One of the few solid blocks of state ownership on the mainland within the Sault unit. Ownership around the compartment is all private except to the South, which is state owned. Land use within the compartment is minimal due to the low ground and dense vegetation. Evidence of deer hunting exists around the perimeter but very little activity exists within the central part of the compartment.

**Unique Natural Features:**

The unique features of this compartment would simply be the large amount of acreage with very little human impact.

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

None known.

**Special Management Designations or Considerations:**

The entire compartment is within the Munuscong State Wildlife Management Area. The very southern portion of the stand falls within an obligated deer wintering area.

**Watershed and Fisheries Considerations:**

This compartment contains portions of the Little Munuscong River, School Creek, and an unnamed tributary to the Little Munuscong River. The Little Munuscong River is a designated trout stream. There are also some small, unnamed tributaries/drainages in the compartment. The prescribed treatments are appropriate for the protection of these waterbodies.

**Wildlife Habitat Considerations:**

This compartment is part of the Munuscong Bay MA where featured wildlife species include American bittern, American woodcock, mallard, sharp-tailed grouse, and white-tailed deer. It is located between 15-Mile Road and 18-Mile Road west of Riverside Drive and east of M-129. It is dominated by lowland deciduous forest and cedar swamp. The southwest side is part of a deer wintering complex. A few northern hardwood, aspen, and other upland stands are also scattered in it. The Munuscong River flows through the compartment. Four shallow floodings are located in former farmed land in the southeast corner. These were created for ducks and other wetland wildlife. Ponds were in grassy openings that were former agricultural fields, but much of the openings have reverted mainly to shrub stands dominated by alder and willow or forested stands of tamarack and other lowland species in the absence of openings maintenance activities (ex. burn) that were prescribed. Remaining grassy openings are dominated by reedcanary grass.

Wildlife management objectives include maintaining early-successional deciduous cover, maintaining lowland conifer cover, and protecting river and stream corridors by buffering these features. In harvested areas, cedar, yellow birch, oak,

hemlock, pine, and beech will generally be left in addition to a representative sample of the species being harvested. A harvest in lowland conifer outside of deer wintering complex is planned with the goal of regenerating this type dominated by cedar. Stands in the southwestern part of the compartment will be cut during the winter. Wildlife benefitting from this management include white-tailed deer, ruffed grouse, American woodcock, snowshoe hare, wood ducks, and a variety of neotropical migratory birds.

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

Surface sediments consist of a mixture of peat and muck and lacustrine (lake) clay and silt. The glacial drift thickness varies between 50 and 200 feet, thicker to the south. The Ordovician Utica and Collingwood Shales and Trenton Formation subcrop below the glacial drift. The Trenton is quarried for stone/dolomite elsewhere in the UP. The compartment has several gravel pits located to the west, but potential appears limited. There is no economic oil and gas production in the UP, currently.

### **Vehicle Access:**

The only vehicle access to this compartment is along the south end of the compartment off of 18 Mile Rd.

### **Survey Needs:**

There may be some survey work needed in the center of section 31.

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

Walk in access exists from state ownership just south of this compartment. The legal easement consists of a 30' strip of property that runs just south of 18 mile road off of M-129. The strip runs from M-129 and runs east to state ownership. Recreation in this compartment is mostly limited to deer, grouse and rabbit hunting along with the occasional mushroom hunter as well.

### **Fire Protection:**

With the majority of the compartment being swamp lowlands fire potential is low unless a long dry period persists within the area. Fire access into this compartment would be extremely difficult due to roads being non-existent. IF a fire does occur there are numerous streams for establishing hose lays.

### **Additional Compartment Information:**

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

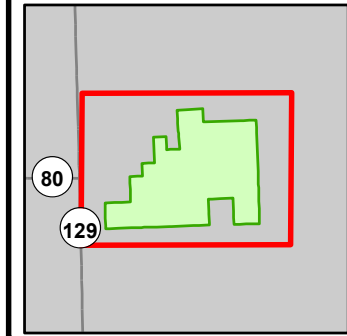
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

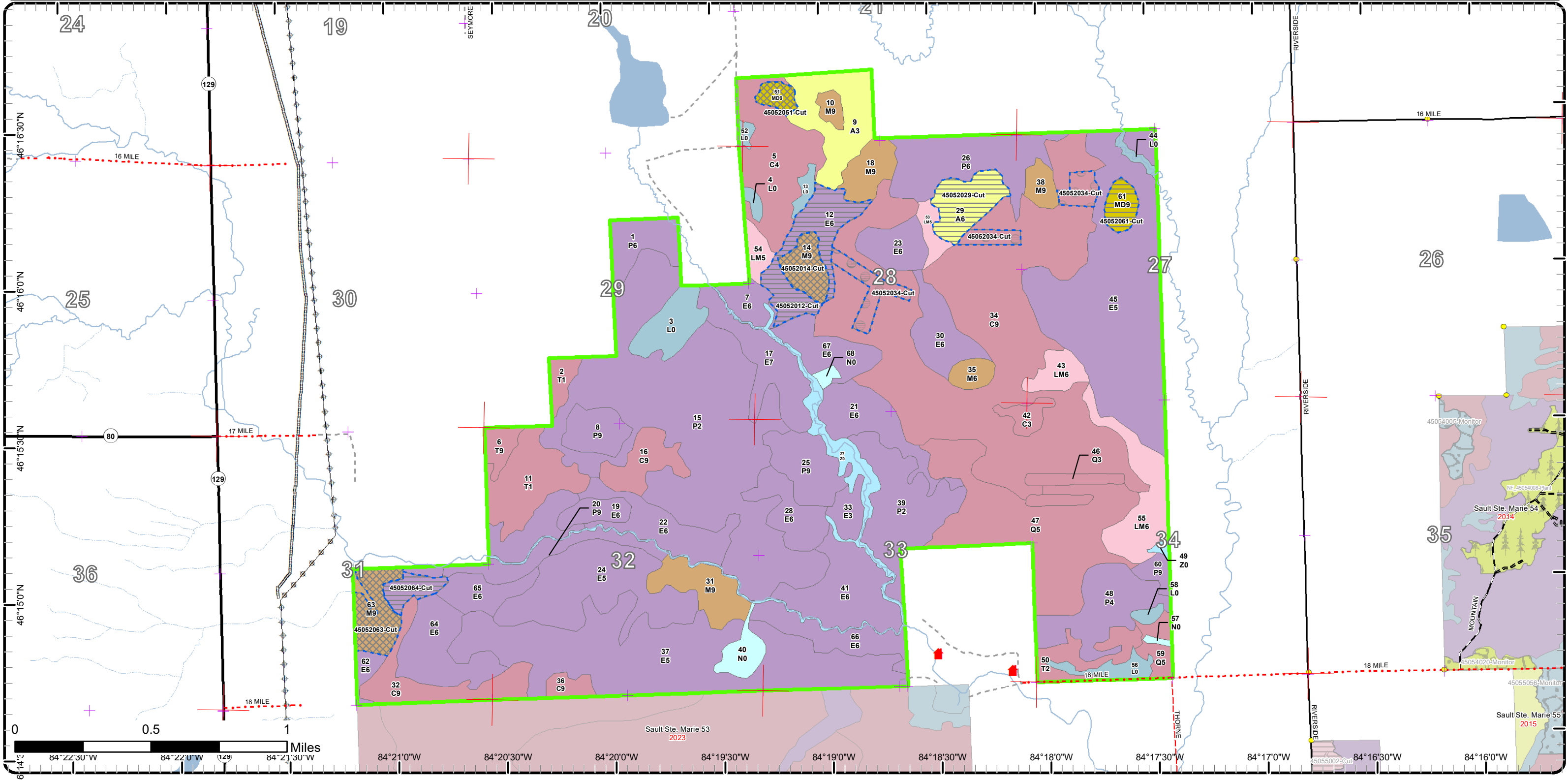
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 52  
 T45N, R01W, Sec: 21, 27-29, 31-34  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 Mgmt Area: Munuscong Bay  
 YOE: 2022  
 Acres: 2,909 GIS Calculated  
 Examiner: Josh Brinks  
 Map Revised: 8/10/2020  
 Map Phase: Web Post

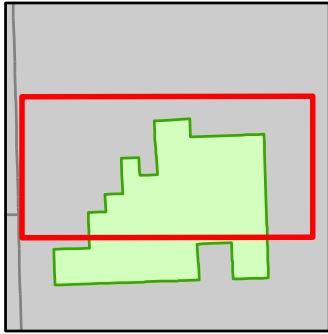


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Cabin
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Patch/Strip Cut (Femelschlag)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

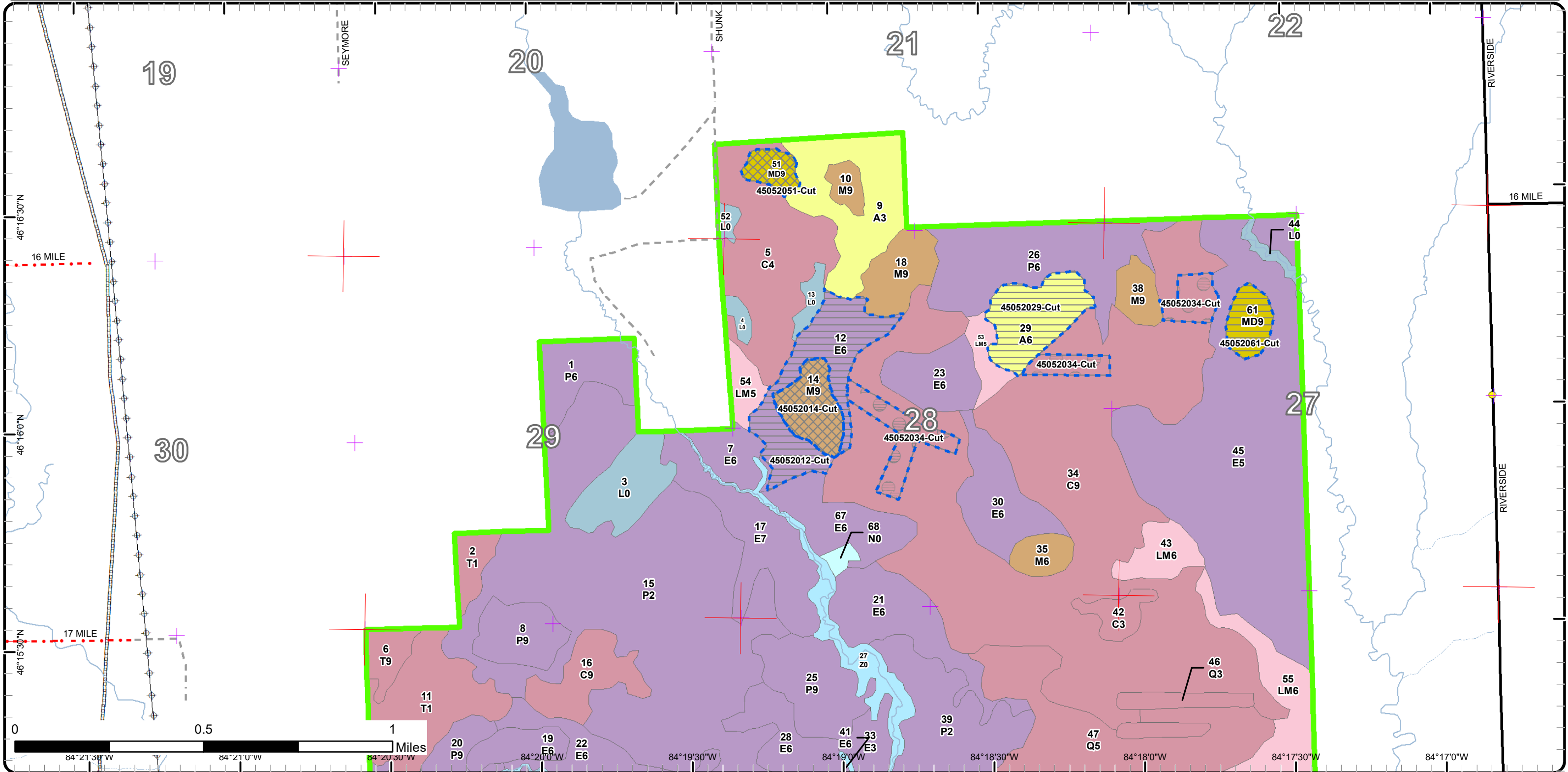


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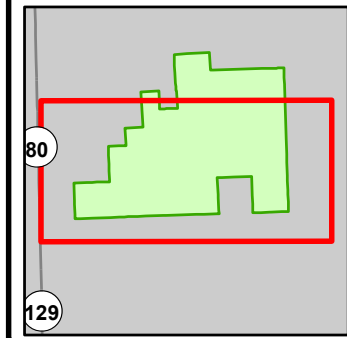


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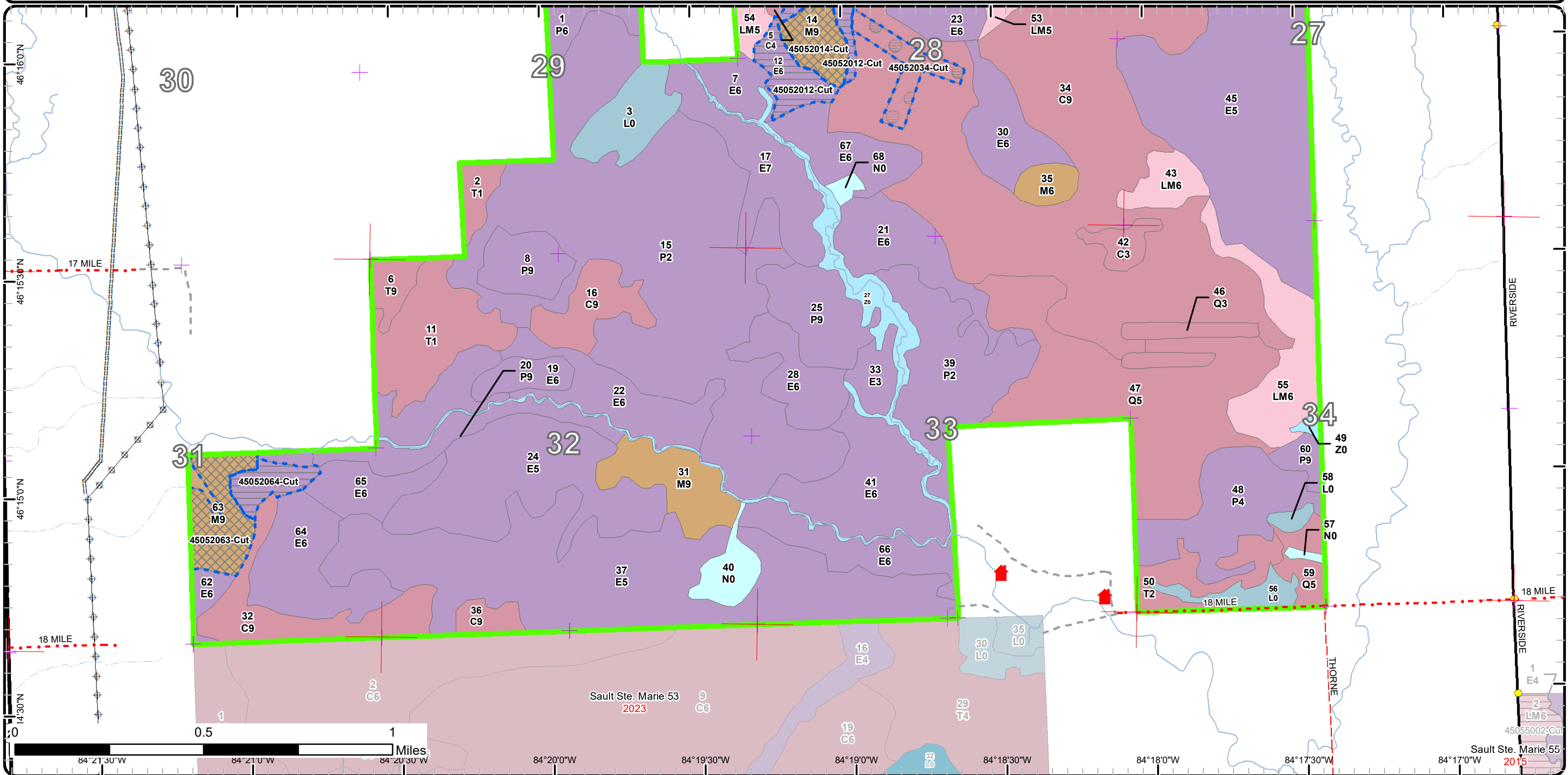


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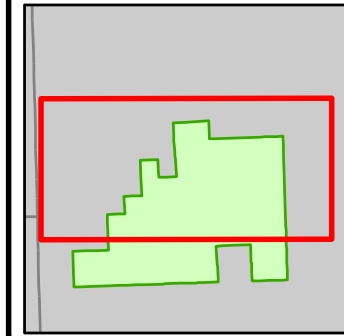


# Stand Boundary Map

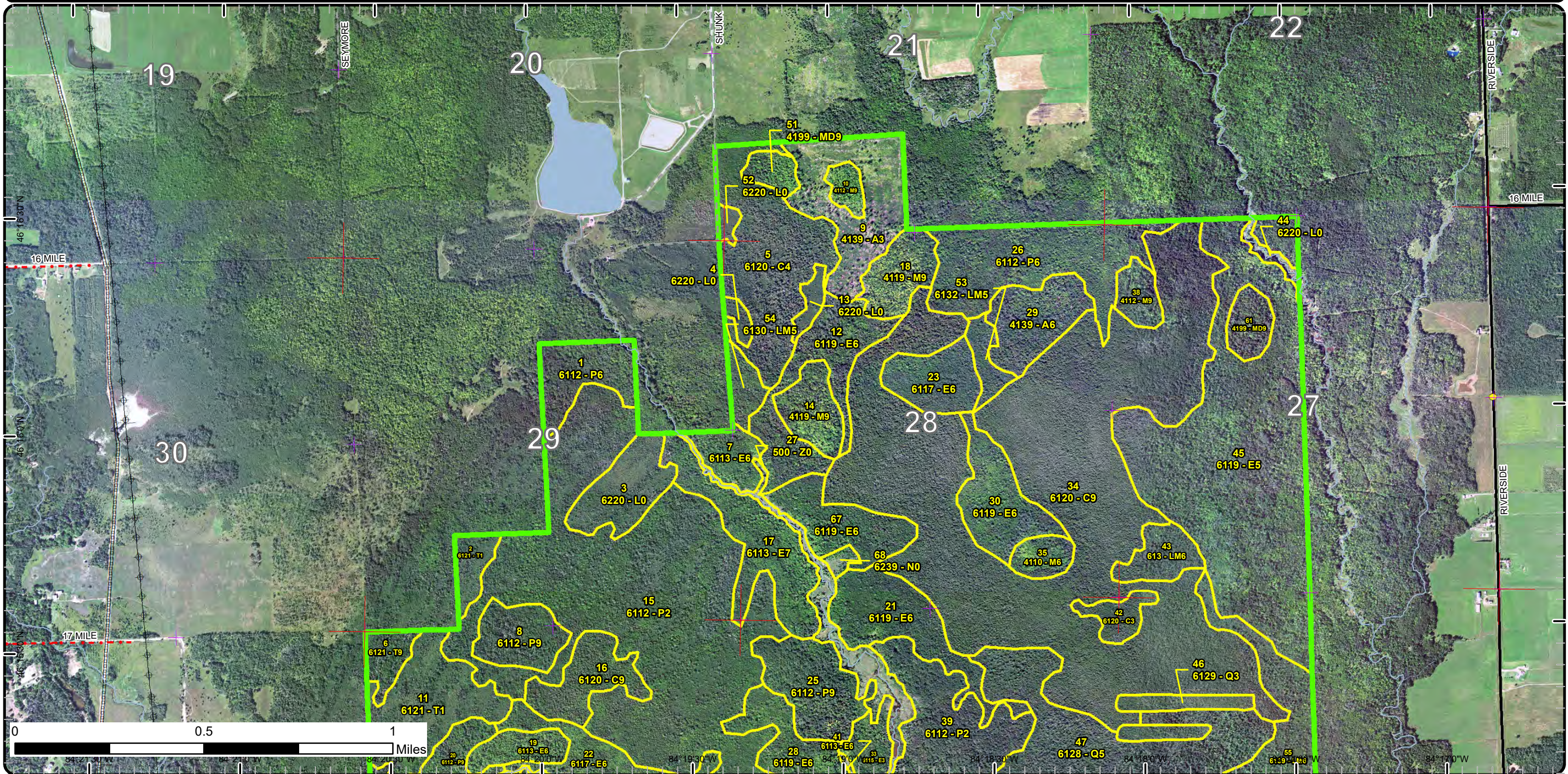
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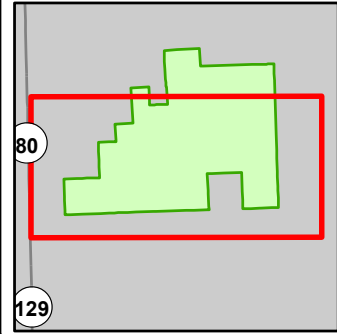
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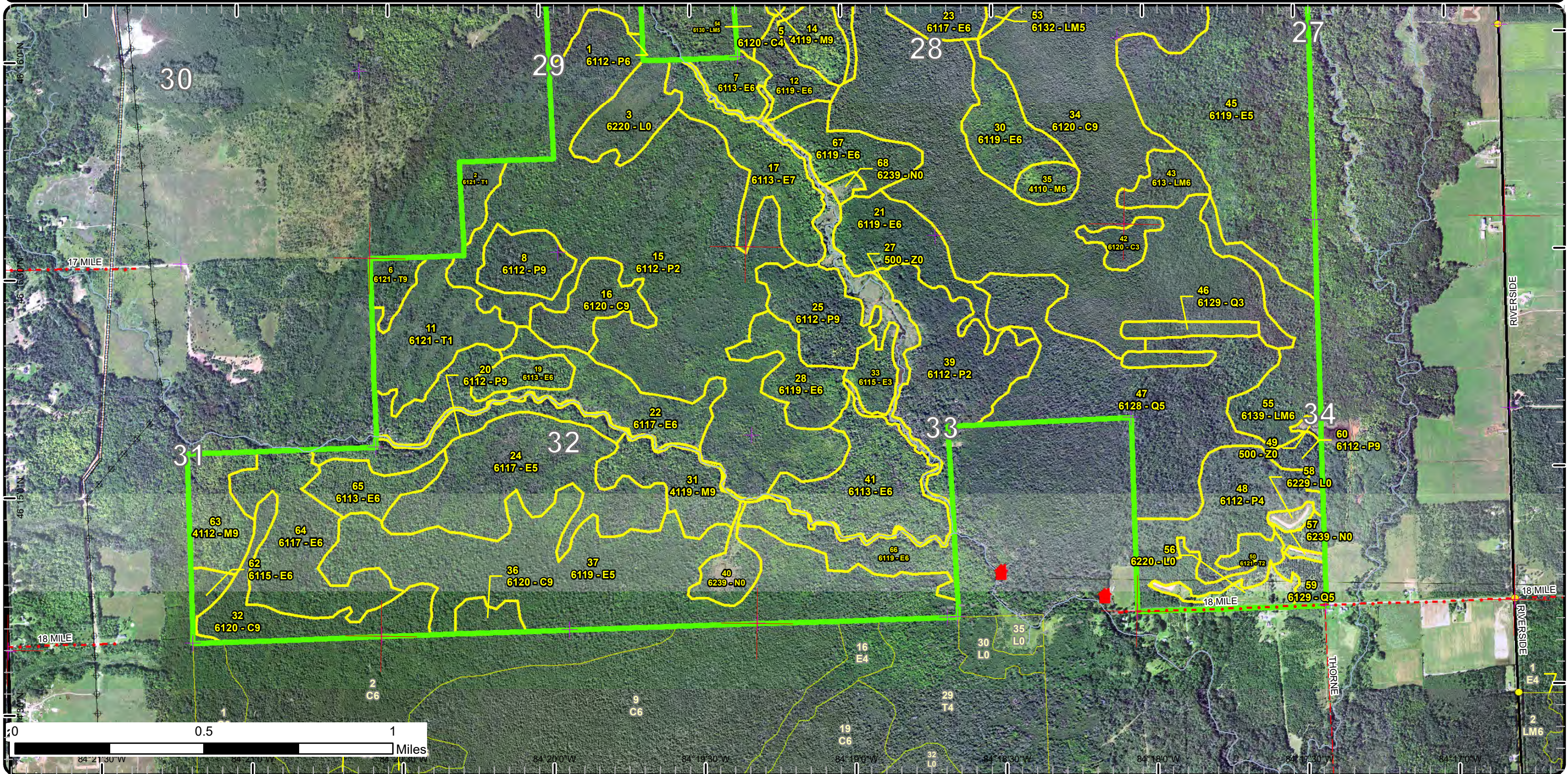


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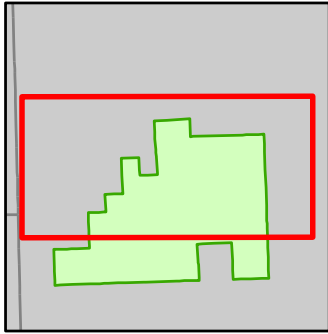
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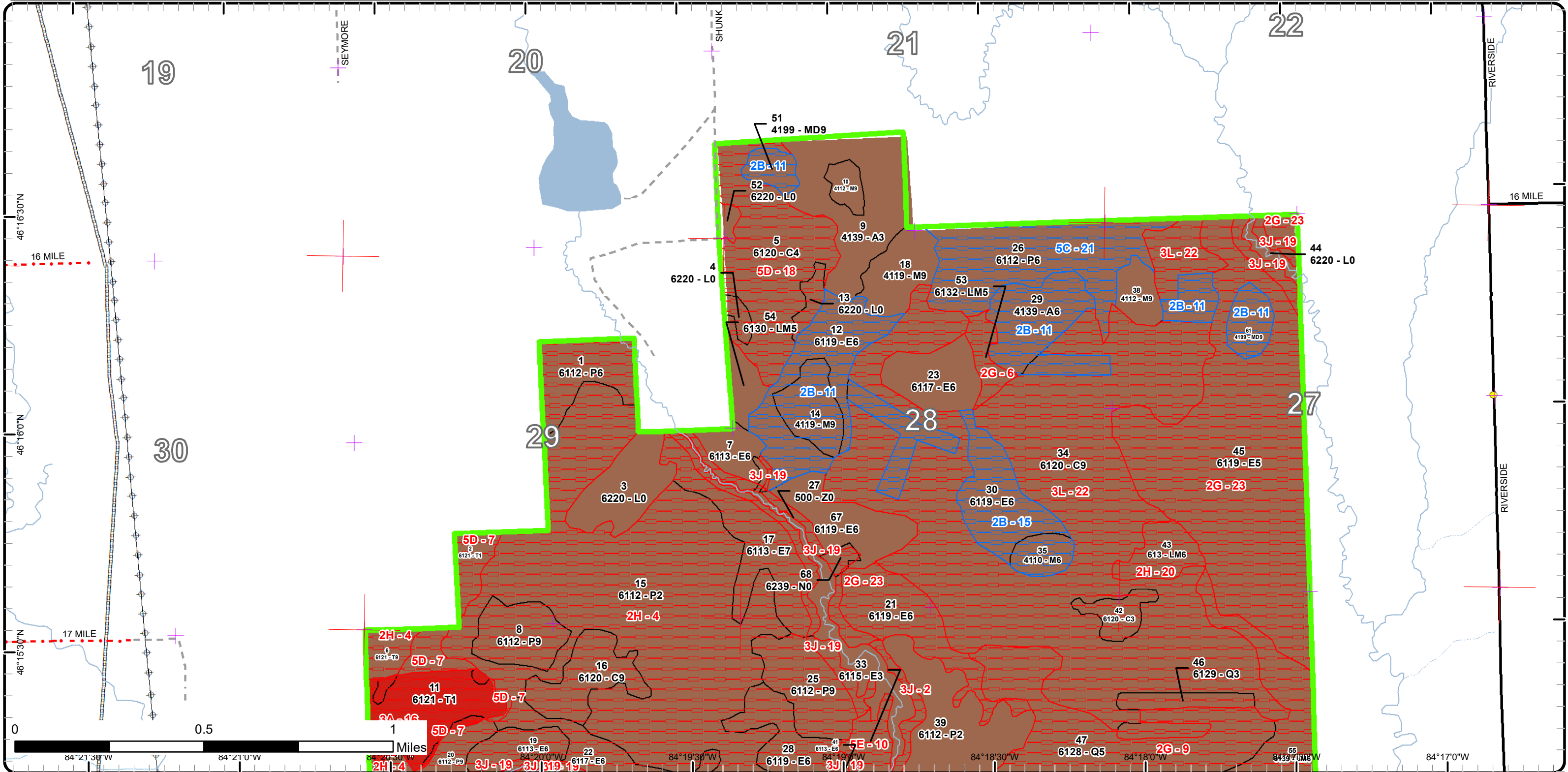


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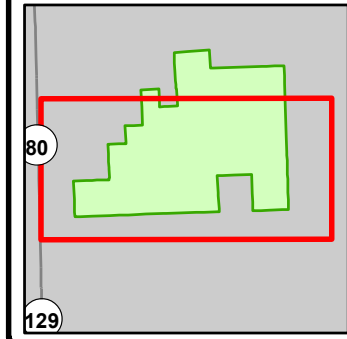
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  - Compartment Boundary
  - Available w/ Constraints
  - Unavailable
  - Stand Boundaries
  - Ecological Reference Areas
  - Cold Water Streams
  - Wildlife Management Areas
- 5C: Delay treatment for age/size class diversity or exceptional site quality  
 2G: Too wet (sensitive soils, does not include access issues)  
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  
 3A: Conservation Values incompatible with harvest at this time  
 3J: Water quality / BMPs (stream, river, or lake)  
 3L: Other wildlife concerns  
 5D: Unproductive Forest Land  
 5E: Long-Term Retention



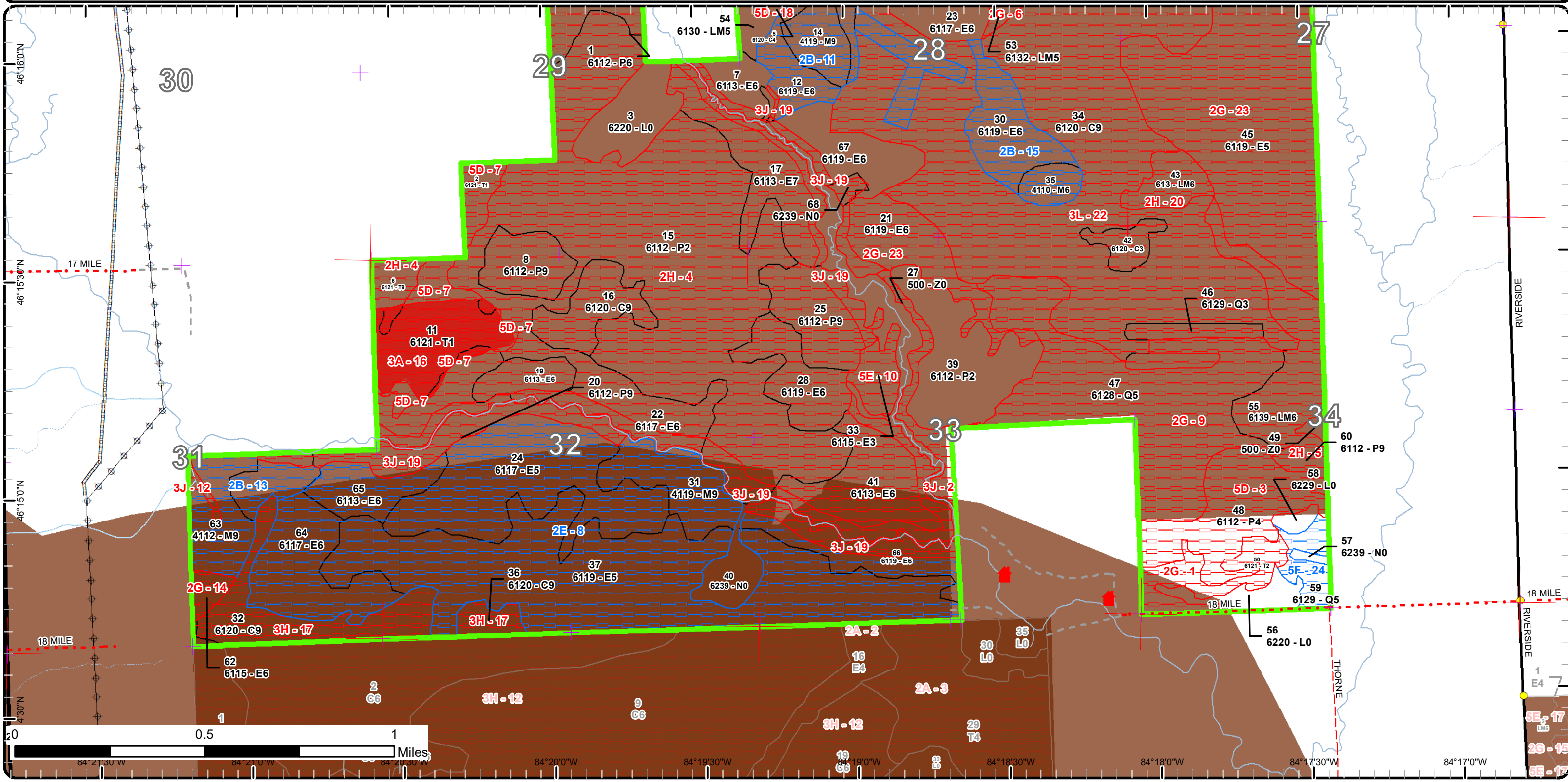


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- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2E: Road needed
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Deer Winter Range
- Wildlife Management Areas





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	51	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	81
Cedar	0	0	0	0	0	10	0	0	0	0	0	562	0	0	0	0	0	0	572
Lowland Aspen/Balsam Poplar	0	69	0	0	0	305	144	85	26	8	0	0	0	0	0	0	0	0	637
Lowland Conifers	0	0	0	0	0	28	0	0	0	0	0	0	0	135	0	0	0	0	163
Lowland Deciduous	0	0	0	0	29	59	111	218	207	298	32	14	46	0	0	0	0	0	1013
Lowland Mixed Forest	0	0	0	0	0	0	10	0	46	15	0	9	0	0	0	0	0	0	80
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	0	7	29	21	19	53	0	0	0	0	0	0	129
Tamarack	0	0	0	0	85	0	0	0	0	0	0	0	11	0	0	0	0	0	96
Water	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
<b>Total</b>	<b>122</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>114</b>	<b>402</b>	<b>265</b>	<b>360</b>	<b>308</b>	<b>342</b>	<b>51</b>	<b>638</b>	<b>57</b>	<b>135</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2913</b>





## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2022

Acres of Harvest

Compartment 52  
Total Compartment Acres: 2,909

Commercial Harvest -  
Harvests with Site Condition - 184  
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
Aspen	30	0	0	0	0	0	0	0	0	30
Cedar	0	0	32	0	0	0	0	0	0	32
Lowland Deciduous	56	0	0	0	0	0	0	0	0	56
Mixed Upland Deciduous	12	8	0	0	0	0	0	0	0	20
Northern Hardwood	0	46	0	0	0	0	0	0	0	46
<b>Total</b>	<b>97</b>	<b>54</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>184</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	184	0	0	0	0	0	0	0	0	184
Next Step	0	0	0	0	0	0	184	0	0	184
<b>Total</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>367</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:**

<b>12</b>	<b>45052012-Cut</b>	43.2	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	70	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to 2". Leave retention patches focused around cedar or wet areas and include mature trees representative of the stand.</p> <p><u>Specs:</u> Do not cut pine, oak, hemlock or yellow birch. Buffer the stream and river in the south west part of the stand. Create some brush piles through normal processing operations if possible, focusing on areas near conifer cover.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, maple, birch, spruce, fir, ash, oak, pine, cedar</p> <p><u>Other Comment:</u> Treatment size and shape may vary.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>14</b>	<b>45052014-Cut</b>	18.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	90	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80 BA. Open up canopy gaps around a few yellow birch or oak to enhance the regen of those species. Remove all aspen and paper birch. Leave oak and all healthy conifers. Create some brush piles through normal processing operations if possible, focusing on areas near conifer cover.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes maple, oak, basswood, birch, aspen, spruce, fir, pine, cedar.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>29</b>	<b>45052029-Cut</b>	29.8	4139 - Aspen, Mixed Deciduous	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to 2". Do not cut pine, oak, hemlock or yellow birch. Leave a few retention patches focused on the areas of lower BA with red maple regen. or areas of cedar and include mature trees representative of the stand. Create some brush piles through normal processing operations if possible, focusing on areas near conifer cover.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, spruce, fir, oak, cedar and pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</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>34</b>	<b>45052034-Cut</b>	32.4	6120 - Lowland Cedar	Sawtimber Well	105	171-200	Harvest	Strip/Patch/Gap Cut (Femelschlag)	6120 - Lowland Cedar	Even-Aged	No
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Prescription Cut strip in the cedar roughly 4-5 chains wide. Leave all pine, hemlock, oak and yellow birch. Focus on areas of less dense canopy.  
Specs:

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Acceptable regen includes cedar, pine, hemlock, birch, spruce, fir, ash, aspen, elm and oak.  
Regen:

Other Treatment size, shape and position may vary.  
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2021

<b>51</b>	<b>45052051-Cut</b>	8.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	65	81-110	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	No
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Prescription perform a variable density thinning on this stand. Cut areas dominated by aspen and birch(west side of stand) to a lower BA than areas with more shade tolerant species like yellow birch and sugar maple (east side of stand). The BA goal should be 10-20 in areas of shade intolerant and 70-80 in areas of shade tolerant species. Leave tree priority would be yellow birch, pine, cedar, oak, sugar maple, basswood, red maple in that order. Create 1 or more brush piles through normal processing operations if possible, focusing on areas near conifer cover  
Specs:

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, pine, oak.  
Regen:

Other  
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2021

<b>61</b>	<b>45052061-Cut</b>	12.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	66	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Cut all trees down to 2" DBH. Do not cut pine, hemlock, yellow birch, cedar or oak. If the treatment ends up being greater than 10 acres then leave a retention patch.  
Specs:

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, cedar and pine.  
Regen:

Other  
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2021





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
63	45052063-Cut	26.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	74	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80-90 BA. Leave a higher BA adjacent to streams, Do not cut on slopes or in the bottom of the drainages. Open up the drip edges of Hemlock trees when not on the edge of slopes. Red line out areas they are not allowed to operate equipment in. Winter cut (Dec. 1 - Mar. 31) for wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes maple, birch, basswood, oak, hemlock, pine, cedar.</p> <p><u>Other Comment:</u> Treatment size will vary once streams are excluded from the treatment.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
64	45052064-Cut	12.4	6117 - Lowland Deciduous, Mixed Coniferous	Poetimber Well	74	1-50	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to 2" in DBH. Do not cut oak, yellow birch, hemlock, cedar or pine. Leave a no cut buffer along the river. Create some brush piles through normal processing operations if possible, focusing on areas near conifer cover. Create some brush piles through normal processing operations if possible, focusing on areas near conifer cover. Winter cut (Dec. 1 - Mar. 31) for wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, ash, elm, oak, spruce, fir, cedar, pine, hemlock.</p> <p><u>Other Comment:</u> Treatment size and shape may vary. Grab as much of the stand as you can focusing on areas of desirable timber.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 4 /16/2020</p>											

**Total Treatment** 183.6  
**Acreage Proposed:**



## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 52

Year of Entry: 2022

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available		Dominant Site Conditions												
					2B	2E	5C	5F	2G	2H	3A	3H	3J	3L	5D	5E	
81	51	30	0	Aspen	30												
572	0	32	539	Cedar	32					26		50		393	71		
636	54	67	515	Lowland Aspen/Balsam Poplar			67			399	2		61		54		
163	0	13	150	Lowland Conifers				13	135					15			
1013	62	476	475	Lowland Deciduous	88	388			236	148		1	76				13
80	10	0	70	Lowland Mixed Forest					55	15							
59	50	0	9	Lowland Shrub												9	
19	16	0	3	Marsh									3				
20	0	20	0	Mixed Upland Deciduous	20												
128	38	88	2	Northern Hardwood	56	32							2				
95	0	0	95	Tamarack					25	9	39					23	
43	43	0	0	Water									0				
2,909	324	726	1,859	Total Forested Acres	226	420	67	13	451	598	41	51	142	408	156	13	
	11%	25%	64%	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	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very wet stand.							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Buffer of retention along the little munuscong river							



## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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3	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	54	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Very wet soil growing mostly tag alder with scattered trees.							
4	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	575	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	Unspecified
<b>Comments:</b> The stands in this site condition are blocked on two sides by the river. A bridge would be required to get across them. We do not know if access is possible from adjacent landowners.							
5	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	8	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is a small stand surrounded by wet ground, because of that it is not worth building a road to at this time							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>2E: Road needed</b>	420	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> There is an easement into this area off of 18 Mile Rd. on the west side of the compartment. a road would have to be built to log any of this. There also may be areas that are too wet to harvest.							



## Report 4 – Site Conditions

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9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	181	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	13	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand notes mention it is very wet, also a buffer along the river							
11	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	144	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	40	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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Compartment: 52

Year of Entry: 2022

15	Available	2B: Unknown if access through adjacent landowner(s) is possible	42	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Unavailable	3A: Conservation Values incompatible with harvest at this time	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	51	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	5D: Unproductive Forest Land	80	2G: Too wet (sensitive soils, does not include access issues)	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
<b>Comments:</b> Stand comments mention that it is too wet and supporting low quality trees.							
19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	124	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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20	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	67	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	408	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> WLD wants to retain as much winter cover as possible in this area.							
23	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	230	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Considered this stand for SBW Salvage but the spruce only makes up about 3 acres of the stand. The trees are small diameter, open grown and growing on wet ground.							

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	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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	6112 - Lowland Aspen	Poletimber Well	26.1	75	51-80	N/A	Stand with a mix of aspen, red maple and white spruce. Aspen is poorer quality some large red maple w/in the stand.																																																		
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2	6121 - Tamarack	Sapling Poor	10.2	30	1-50	N/A	Small stand of swamp conifer. Tag alder is very thick.																																																		
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3	6220 - Alder/willow	Nonstocked	27.5		Unspecified	No	High water table...																																																		
4	6220 - Alder/willow	Nonstocked	3.6	0		No	Stand is very wet. Cedar is poor quality. Very sparse stand... Thick tag alder.																																																		
5	6120 - Lowland Cedar	Poletimber Poor	70.6	108	1-50	N/A	Stand is very wet. Cedar is poor quality. Very sparse stand... Thick tag alder. South half of the stand has more tamarack.																																																		
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6	6121 - Tamarack	Sawtimber Well	10.7	112	111-140	N/A	Stand of decent quality tamarack. Very thick balsam fir within the understory.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
7	6113 - Lowland Maple	Poletimber Well	14.5	60	51-80	N/A	Small stand of younger red maple with a mix of yellow birch and aspen. Yellow birch and red maple within the stand are of good quality. Aspen is poorer quality. There is a stream running through the east end of this stand.																																																				
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8	6112 - Lowland Aspen	Sawtimber Well	22.4	55	81-110	N/A	Stand of aspen with a mix of other species. Ages vary depending on where you are in the stand. In some areas the wood is old and is falling apart. There also looks to have been some wind damage with some white spruce and black spruce tipped over.																																																				
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9	4139 - Aspen, Mixed Deciduous	Sapling Well	50.7	5	Immature	N/A	This stand was harvested in the late winter of 2015. Yellow birch, cedar, oak, iron wood, beech and some maples were left during the harvest. Regen has come in great, most of it is 7-10' tall. There was a moderate amount of damage from the recent ice storm where patches of the regen were bent over.																																																				
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.7	60	51-80	N/A	Nice patch of hardwood. The stand is log size around the exterior an pole sized in the middle. Not enough BA for a thinning at this time.																																																				
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11	6121 - Tamarack	Sapling Poor	49.8	30	Unspecified	N/A	Stand contains a mix of young swamp conifer and mixed deciduous... Small patches of larger timber exist within the stand. Very wet with alot of tag alder throughout.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**12** 6119 - Mixed Lowland Deciduous Forest Poletimber Well 43.9 70 81-110 N/A Low ground with a mix of red maple, yellow birch, and aspen. All is of poorer quality. Ground is low and wet. Some nice yellow birch w/in stand. There is a wet area with low BA in the NE of this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Log/Pole	10	70	Red Maple	Medium	Variable	Sapling
Yellow Birch	8	Log/Pole	13		Yellow Birch	Low	Variable	Sapling
Paper Birch	20	Log/Pole	14		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	30	Log/Pole	11	70	Black Ash	Low	Variable	Sapling
Black Ash	2	Pole	6		Hazelnut (Spp.)	Low	Variable	Tall Shrub
White Spruce	10	Pole/Log	9		Tag Alder	Low	5 - 10 feet	Tall Shrub

**13** 6220 - Alder/willow Nonstocked 5.4 0 No Stand is very wet. Cedar is poor quality. Very sparse stand... Thick tag alder.

**14** 4119 - Mixed Northern Hardwoods Sawtimber Well 18.8 90 81-110 N/A Patch of hardwood, there is a knob in the southern portion of the stand that is mostly sugar maple. On the lower parts of the stand it is mostly red maple. There is an area of lower BA at the north end of the knob.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	44	Log/Pole	13	90	Sugar Maple	Low	Variable	Sapling
Paper Birch	2	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
Red Maple	30	Log	15		White Spruce	Low	Variable	Sapling
Yellow Birch	2	Log	16		Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	1	Log	16		Yellow Birch	Trace	10 - 20 feet	Sapling
Basswood	15	Log	16					
Quaking Aspen	5	Log	15					
White Spruce	1	Log	13					

**15** 6112 - Lowland Aspen Sapling Medium 305.2 40 51-80 N/A A mix of tag alder with patches of aspen, bam and balsam fir,.. Wood is younger with an old aspen here and there.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	8		Red Maple	Low	Variable	Sapling
Paper Birch	2	Pole	5		Paper Birch	Medium	Variable	Sapling
Quaking Aspen	30	Pole/Sapling	5	40	Balsam Fir	High	Variable	Sapling
Balsam Poplar	20	Pole/Sapling	4		Black Ash	Medium	Variable	Tall Shrub
Balsam Fir	33	Sapling/Pole	4	40	Tag Alder	High	Variable	Tall Shrub

**16** 6120 - Lowland Cedar Sawtimber Well 25.9 100 51-80 N/A Poor quality cedar stand. Balsam fir is extremely thick in the understory. Good area for rabbits.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	100	Log/Pole	12	100	Balsam Fir	Full	Variable	Sapling
					Black Ash	Low	Variable	Sapling
					Tag Alder	Medium	Variable	Tall Shrub





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
17	6113 - Lowland Maple	Sawtimber Poor	45.6	110	51-80	N/A	Stand consists of areas of big trees and areas of young pole to sapling sized timber. Some very large diameter red maple and yellow birch.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		83	Log/Pole/XLog	12	110	Red Maple		
Yellow Birch		10	Log/Pole	14		Yellow Birch		
Paper Birch		2	Pole	5		Balsam Fir		
Quaking Aspen		5	Pole	8		Northern White Cedar		
						Black Ash		
						Hazelnut (Spp.)		
						Density		
						Avg. Height		
						Size		
18	4119 - Mixed Northern Hardwoods	Sawtimber Well	20.9	80	81-110	N/A	Stand of low quality hardwood. Sugar maple is small.. basswood and oak are decent. There is a ridge running through the stand that slopes down to the east. The portion at the bottom of the ridge has some wet areas.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		23	Pole/Log	9	80	Balsam Fir		
Red Maple		17	Pole/Log	8		Black Ash		
Basswood		20	Log	15	80	Sugar Maple		
Paper Birch		10	Pole	8		Red Maple		
Quaking Aspen		8	Log/Pole	10		Ironwood		
Bur Oak		15	Log	15		Hazelnut (Spp.)		
Balsam Fir		5	Pole	8		Density		
Northern White Cedar		1	Log	16		Avg. Height		
Yellow Birch		1	Log	16		Size		
19	6113 - Lowland Maple	Poletimber Well	13.6	100	51-80	N/A	Small pocket of hardwoods along the drainage. Red maple, yellow birch, and white pine are large in diameter. Red maple is poor quality.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		70	Log/Pole	14	100	Sugar Maple		
Yellow Birch		10	Log/Pole	12		Balsam Fir		
Balsam Fir		2	Pole	8		White Spruce		
White Spruce		5	Pole/Log	12		Density		
White Pine		13	XLog	18		Avg. Height		
						Size		
20	6112 - Lowland Aspen	Sawtimber Well	49.6	62	81-110	N/A	Aspen is decent quality in some spots and poor in others. The stand has a few red maple and white pine scattered throughout.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		10	Log/Pole	10		Red Maple		
Paper Birch		6	Log/Pole	12		Quaking Aspen		
Quaking Aspen		62	Log/Pole	10	62	Balsam Fir		
Balsam Fir		5	Pole	10		White Spruce		
White Spruce		7	Log/Pole	12		Density		
White Pine		10	Log	18		Avg. Height		
						Size		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**21** 6119 - Mixed Lowland Deciduous Forest Poletimber Well 40.8 50 51-80 N/A Stand of black ash mixed with red maple,balsam fir and cedar...ground is wet.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Yellow Birch	10	Log	15		Black Ash	High	Variable	Sapling
Balsam Fir	5	Pole	5		Tag Alder	Medium	Variable	Tall Shrub
White Spruce	8	Log	14	97	Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole/Log	8					
Black Ash	47	Pole	6	50				
Balsam Poplar	5	Pole	8					

**22** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 40.1 52 81-110 N/A Stand contains a mix of species at various ages. The aspen within the stand consists of both younger and older wood. The balsam understory is very thick in some areas. Stand is wet with pockets of small diameter black ash.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole/Sapling	5		Red Maple	High	Variable	Sapling
Quaking Aspen	30	Log/Pole	10	52	Balsam Fir	Full	Variable	Sapling
Balsam Fir	20	Sapling/Pole	1					
White Pine	10	Log	18					

**23** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 23.8 45 81-110 N/A This stand was harvested in the past. Now it is a red maple and aspen mix with balsam fir in the understory. Scattered balsam poplar, red maple and cedar logs.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Log/Pole	10	100	Balsam Fir	High	Variable	Sapling
Black Ash	15	Sapling/Pole	4		Northern White Cedar	Medium	Variable	Pole
Balsam Fir	15	Pole	6		Black Ash	Medium	Variable	Sapling
Balsam Poplar	20	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole	6					

**24** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 93.3 74 1-50 N/A Tough area to type out due to the large amount of swamp. Stand consists of swamp red maple w/a thick understory of balsam.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Pole/Log	9	74	Balsam Fir	High	Variable	Sapling
Yellow Birch	11	Log/Pole	14		Tag Alder	High	5 - 10 feet	Tall Shrub
Quaking Aspen	4	Pole	10					
Black Spruce	10	Pole	8					
Northern White Cedar	10	Pole	9					
Balsam Fir	15	Pole	6					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
25	6112 - Lowland Aspen	Sawtimber Well	35.5	60	111-140	N/A	Nice stand of aspen with a mix of balsam fir and a little cedar in the understory.																																																													
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26	6112 - Lowland Aspen	Poletimber Well	67.2	52	111-140	N/A	Stand varies from a bam/yellow birch to an aspen, ash, red maple type. Ground is very wet. Most of the stand consists of younger timber. Stand was cut along time ago. red maple is nice in spots, young and straight.																																																													
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27	500 - Water	Nonstocked	41.2		Unspecified	No	Little Munuscong Flowage and a branch that flows into the Little Munuscong Flowage.																																																													
28	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	29.3	30	51-80	N/A	Stand contains pockets of red maple, aspen, and ash... All of varying ages.																																																													
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29	4139 - Aspen, Mixed Deciduous	Poletimber Well	29.8	60	81-110	N/A	North half of the stand is up on a dry ridge and is old as you go south you get off that ridge and slope into wetter ground. The wood is a bit younger. The old aspen on the ridge is mostly dead now and a majority of it has blown over. Red maple is replacing it in those areas. The rest of the stand has a decent BA of merchantable aspen.																																																													
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30	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	32.0	90	Unspecified	N/A	OI has it labeled as a P9 stand. Imagery looks like a red maple, aspen, bam type mix.																																																
31	4119 - Mixed Northern Hardwoods	Sawtimber Well	31.9	100	81-110	N/A	Pocket of red maple with some large diameter trees. Yellow birch and burr oak scattered within the stand as well.																																																
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32	6120 - Lowland Cedar	Sawtimber Well	41.3	104	171-200	N/A	Stand contains pockets of very nice log/pole sized cedar and other pockets of low quality less dense cedar. Balsam fir is thick in some areas. Good deer cover but no deer in here this year.																																																
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33	6115 - Lowland Ash	Sapling Well	12.9	40	51-80	N/A	very wet area, stagnant. black ash is in poor shape.																																																
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34	6120 - Lowland Cedar	Sawtimber Well	415.1	105	171-200	N/A	Large cedar stand. Decent quality cedar throughout. Southern edge is low and poorer quality however. Deer use is minimal, I noticed a few blowdowns from this winter that were hardly touched. Most of the deer activity is during the migration.																																																
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35	4110 - Sugar Maple Association	Poletimber Well	9.9	100	111-140	N/A	Small hardwood knob amongst the low ground. OI typed it as a M8 stand.																																																
36	6120 - Lowland Cedar	Sawtimber Well	8.9	104	171-200	N/A	Could not get back to this stand. I typed it out as the same stand in the SW corner of compartment... In looking at the imagery it looks very similar.																																																





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37	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	206.6	84	1-50	N/A	Tough area to type out... Large stand with alot of different species types... East side has a 4 wheeler trail I could follow off of private land. Ground is low with quite a few drainages dumping into the river. Timber type varies primarily from red maple to aspen pockets with a thick understory of balsam. Some spots have some very nice yellow birch regeneration. Lots of tag alder in the understory.																																																																																	
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38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.8	100	51-80	N/A	Unique stand for this compartment... A small hardwood knob surrounded by swamp. Sugar maple understory is nice, healthy regen. The center of the stand is large sugar maple and it looks like the cut the edges harder when they were in here last as the trees are smaller and DBH is lower there. There is scattered cedar throughout.																																																																																	
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39	6112 - Lowland Aspen	Sapling Medium	68.6	1	Immature	N/A	Stand was cut as part of 18 Mile Aspen. The southern part of the stand was cut in the winter of 2018 and the north was cut in the winter of 2019. When they cam back in 2019 the regen in the first par that was cut was already coming in great. Does not look like there will be a regen issue here. A buffer strip was left along the river and scattered trees were left throughout, most of which have died or blown over.																																																																																	
40	6239 - Mixed Emergent Wetland	Nonstocked	14.3		Unspecified	No	Old beaver pond that looks like it has been abandoned.																																																																																	
41	6113 - Lowland Maple	Poletimber Well	57.6	84	81-110	N/A	Scattered aspen and red maple stand with a mix of balsam fir and red maple in the understory. Aspen is decent quality. Red maple is large diameter.																																																																																	
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42	6120 - Lowland Cedar	Sapling Well	10.0	40	Unspecified	N/A	OI comment says cedar diameter averaged 3". I would assume it is similar in size and density to the strip cuts to the South.																																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>43</b>	613 - Lowland Mixed Forest	Poletimber Well	15.3	80	Unspecified	N/A	On air photo.... Stand looks to be a mix of black ash, balsam fir, cedar, red maple and aspen. Heavy conifer component.
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<b>44</b>	6220 - Alder/willow	Nonstocked	4.4			No	School creek flowage...
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<b>45</b>	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	203.1	66	51-80	N/A	I was in the north half of this stand and it is very low ground with low basal areas. There is tag alder throughout. The canopy has a lot of black ash in it which is starting to decline. The remainder is a mix of species dominated by red maple and cedar. The red maple is generally smaller but is decent quality. Some areas the understory is very thick to balsam fir.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole/Log	8	66	Red Maple	Medium	Variable	Sapling
Yellow Birch	1	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Balsam Poplar	10	Pole	8		Black Ash	Medium	Variable	Sapling
Balsam Fir	4	Pole/Sapling	5		Hazelnut (Spp.)	Medium	Variable	Tall Shrub
Northern White Cedar	10	Log	14		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole	7					
Black Ash	25	Pole	7					

<b>46</b>	6129 - Mixed Coniferous Lowland Forest	Sapling Well	15.3	40	1-50	N/A	Old strip cut. Stand is doing very well.. Cedar is coming back very well...I specifically bushwacked back to this stand to see what the regen was like... It was worth the effort, the regen is impressive!! Cedar is healthy and is doing well. Stand filled in well after it was cut
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Sapling	3		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	49	Sapling	3	40	Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	40	Sapling	2	40	Tag Alder	High	Variable	Tall Shrub

<b>47</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	134.8	124	51-80	N/A	Sparse stand of black spruce,tamarack. Ground is very,very wet. timber is very poor quality.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Red Maple	Low	Variable	Sapling
Black Spruce	30	Pole	8	124	Balsam Fir	High	Variable	Sapling
Northern White Cedar	8	Log/Pole	10		Black Ash	Medium	Variable	Sapling
Tamarack	31	Pole	8	124	Tag Alder	Full	Variable	Tall Shrub
Black Ash	8	Pole/Sapling	6		Michigan Holly	Medium	Variable	Tall Shrub
Quaking Aspen	10	Log/Pole	10					
Balsam Poplar	5	Pole	7					
Paper Birch	3	Pole/Log	8					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																			
<b>48</b>	6112 - Lowland Aspen	Poletimber Poor	53.7	56	1-50	N/A	Very wet ground. Tag alder is extremely thick in northern part of stand. Southern part of stand contains a mix of tag alder, tamarack, and quaking aspen. There are a few patches in south end of the stand that are decent stands of pole size timber. They are small and hard to type out at this time.																																																																			
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<b>49</b>	500 - Water	Nonstocked	1.9			No	Small flow coming out of the black ash swamp on state land to the West.																																																																			
<b>50</b>	6121 - Tamarack	Sapling Medium	24.6	38	51-80	N/A	This stand is mostly small diameter tamarack. There are a few other species mixed in along the road.																																																																			
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<b>51</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.1	65	81-110	N/A	Mixed stand of aspen, white birch, red maple, white spruce and balsam fir. The stand is more mixed on the west side and more of a hardwood stand on the east side.																																																																			
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<b>52</b>	6220 - Alder/willow	Nonstocked	3.0			No	Thick area of willow, tag alder, michigan holly, etc... Ground is very, very wet.																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**53** 6132 - Mixed Lowland Forest with Cedar Poletimber Medium 9.3 100 51-80 N/A Stand contains patches of cedar mixed with patches of black ash. The canopy is patchy in this stand with tag alder in the understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole/Log	9	100	Balsam Fir	High	Variable	Sapling
Black Ash	30	Sapling/Pole	4		Northern White Cedar	Medium	Variable	Pole
Balsam Fir	5	Pole	6		Black Ash	Medium	Variable	Sapling
Balsam Poplar	10	Pole	6		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	5					

**54** 6130 - Fir, Aspen, Maple Poletimber Medium 9.6 50 1-50 N/A very wet stand of red maple and lowland conifers. The canopy tends to be more sparse in this area.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole	6	50	Balsam Fir	Medium	Variable	Sapling
Yellow Birch	2	Pole	7		Black Ash	Medium	Variable	Sapling
Balsam Fir	25	Pole	5		Tag Alder	Medium	Variable	Tall Shrub
White Spruce	5	Pole	6	97	Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole/Log	8					
Black Ash	10	Sapling/Pole	4	50				
Paper Birch	8	Pole/Sapling	5					
Balsam Poplar	5	Pole	6					
Tamarack	10	Pole/Sapling	5					

**55** 6139 - Mixed Lowland Forest Poletimber Well 45.8 75 81-110 N/A This is a very wet stand that was dominated by black ash but it appears that EAB has hit this stand hard. I was there in the winter so it was hard to tell how many are still alive but numerous trees had dead branches at the top. What remains is going to be a mix of red maple and balsam fir.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	9	124	Red Maple	Medium	Variable	Sapling
Northern White Cedar	8	Pole	9		Balsam Fir	Low	Variable	Sapling
Tamarack	10	Pole	9	113	Black Ash	Medium	Variable	Sapling
Black Ash	25	Pole	6	124	Tag Alder	Medium	Variable	Tall Shrub
Red Maple	27	Log/Pole	10	75	Michigan Holly	Medium	Variable	Tall Shrub
Balsam Fir	20	Pole	6					

**56** 6220 - Alder/willow Nonstocked 11.8 0 No Open area is a mix of low grass and tag alder/willow. Scattered trees throughout. Also, contains a few ponds.

**57** 6239 - Mixed Emergent Wetland Nonstocked 1.5 0 No There is a pond dug in this stand, the rest is grassy opening with alder/willow.

**58** 6229 - Mixed lowland shrub Nonstocked 3.6 0 No Stand contains a dug pond. South of the pond it is grassy on top of the spoils, north of the pond is a mix of alder and willow.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**59** 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 13.2 45 51-80 N/A

This is mostly a spruce stand in the south and tamarack north of the pond. It may be a plantation since they appear to be in rows but that also may be a product of the furrows that are left over from when they tried to drain the area for a field. Spruce shows signs of SBW but it is not really merchantable.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	45	Pole	6	45	White Spruce	Low	Variable	Sapling
Tamarack	44	Sapling/Pole	4	38	Tag Alder	Low	Variable	Tall Shrub
White Pine	2	Pole	6		Bog Willow	High	Variable	Tall Shrub
Scotch Pine	2	Sapling	3					
Paper Birch	5	Pole	6					

**60** 6112 - Lowland Aspen Sawtimber Well 7.9 80 111-140 N/A

Really nice stand of log sized aspen and spruce. It is too bad this stand was not much larger so that it was worth building a road to it. The ground here must be a little bit higher as there is almost no tag alder in the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	6		Red Maple	Medium	Variable	Sapling
White Spruce	15	Log/Pole	13		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	2	Log/Pole	10		Black Ash	Trace	Variable	Sapling
Tamarack	2	Pole	8	124	Tag Alder	Trace	Variable	Tall Shrub
Black Ash	5	Pole/Sapling	6		Michigan Holly	Trace	Variable	Tall Shrub
Quaking Aspen	40	Log	14	80				
Balsam Poplar	16	Log	14					
Paper Birch	10	Pole/Log	8					

**61** 4199 - Other Mixed Upland Deciduous Sawtimber Well 12.0 66 51-80 N/A

This is an island of upland ground with a mix of sugar maple and red maple. There is scattered large cedar throughout. The little bit of aspen in the stand is falling apart.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	26	Log/Pole	13	66	Red Maple	Medium	Variable	Sapling
Yellow Birch	5	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Balsam Poplar	20	Pole	10		Hazelnut (Spp.)	Medium	Variable	Tall Shrub
Balsam Fir	4	Pole/Sapling	5		Sugar Maple	Medium	Variable	Sapling
Northern White Cedar	7	Log	14		Paper Birch	Low	Variable	Sapling
Paper Birch	10	Log	14					
White Pine	1	XLog	20					
Sugar Maple	25	XLog/Log	18					
White Spruce	2	Log	14					

**62** 6115 - Lowland Ash Poletimber Well 7.2 74 51-80 N/A

This is mostly a black ash area with red maple and cedar scattered in the stand. The black ash is showing signs of decline and likely will not be alive much longer.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	23	Log/Pole	11	74	Balsam Fir	Low	Variable	Sapling
Yellow Birch	2	Log/Pole	13		Ash (spp.)	Low	Variable	Sapling
Northern White Cedar	10	Pole	9		Red Maple	Medium	Variable	Sapling
Black Ash	60	Pole	7	74				
Balsam Fir	5	Pole	6					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**63**      4112 - Maple, Beech, Cherry Association      Sawtimber Well      29.2      74      81-110      N/A

Pretty neat spot, nice stand of hardwood with a few drainages cutting through the stand. Some of the ravines are quite large. There is hemlock scattered along the drainages. There is a flowing stream in the north west corner of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	13	74
Yellow Birch	5	Log	15	
Balsam Poplar	2	Log/Pole	13	
Northern White Cedar	3	Log	15	
White Spruce	1	Log	14	
Hemlock	1	Log	16	
Balsam Fir	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Sugar Maple	Medium	Variable	Sapling
White Spruce	Low	Variable	Sapling
Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub

**64**      6117 - Lowland Deciduous, Mixed Coniferous      Poletimber Well      63.0      74      1-50      N/A

This stand is a mix of species. There is a little bit higher ground on the west end of the stand. The east end has more scattered tag alder throughout. Balsam fir is fairly thick in the understory. Over all the stand has smaller diameter trees and not much closed canopy. The productivity of this stand seems pretty low.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Pole	8	74
Yellow Birch	2	Log/Pole	14	
Quaking Aspen	4	Pole	10	
Black Spruce	5	Pole	8	
Northern White Cedar	10	Pole	9	
Paper Birch	10	Pole	8	
White Spruce	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub

**65**      6113 - Lowland Maple      Poletimber Well      22.4      45      1-50      N/A

Area of smaller diameter hardwood, mostly red maple.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	70	Pole	6	45
Yellow Birch	5	Log/Pole	14	
Balsam Poplar	10	Pole	6	
Black Spruce	5	Pole	8	
Northern White Cedar	5	Pole	9	
Black Ash	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling

**66**      6119 - Mixed Lowland Deciduous Forest      Poletimber Well      32.6      84      81-110      N/A

Strip of better timber along the edge of the river. This area tends to be well drained with a little drier ground. This allows for better tree growth. This stand is likely a mix of red maple, birch, aspen, spruce, fir with some scattered sugar maple and swamp oak.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>67</b>	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	30.4	50	51-80	N/A	Scattered larger diameter trees with small pole size trees throughout. Stand is very wet.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	22	Log/Pole	10	
Yellow Birch	5	Log	15	
Balsam Fir	5	Pole	5	
White Spruce	8	Log	14	97
Northern White Cedar	5	Pole/Log	8	
Black Ash	15	Sapling/Pole	4	50
Paper Birch	5	Pole	7	
Balsam Poplar	10	Pole	6	
Quaking Aspen	25	Pole	6	50

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Black Ash	Medium	Variable	Sapling
Tag Alder	Medium	Variable	Tall Shrub
Red Maple	Low	5 - 10 feet	Sapling

<b>68</b>	6239 - Mixed Emergent Wetland	Nonstocked	2.9	0	Unspecified	No	
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