



# Compartment Review Presentation

## Sault Ste. Marie Forest Management Unit

Compartment 45057

Entry Year 2017

Acreage: 1,914

County Chippewa

Management Area: Munuscong Bay

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**Revision Date:** 2015-08-05

**Stand Examiner:** Josh Brinks

### Legal Description:

T44N R1E Sec 25, 26, 34, 36

### Identified Planning Goals:

To regenerate mature aspen and balsam poplar stands to develop a sustainable age class distribution regime for those species and enhance wildlife habitat. To prescribe treatments in the lowland areas which are conducive to protecting water quality. To rotate hardwood harvests for optimal regeneration and stocking of all age classes for sustainability as well as providing habitat for various species. To maintain openings as needed to manage for wildlife habitat, including waterfowl. To provide reasonable public access for multiple use recreation such as hunting, trail riding, camping, and hiking, while protecting the natural resources.

### Soil and topography:

Kalkaska-Rubicon: deep, level to steep, excessively drained sandy soils on outwash plains and ground moraines on the west side. Markey Dawson: deep, level, poorly drained mucky and peaty soils on outwash plains, lake plains, and ground moraines on the east side. Topography is flat on the west side to the ridge leading down into the Gogomain swamp on the east side.

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

The compartment is two blocks separated and surrounded by private land, mostly active farms, on the south and west side. Some hunting camps on the private parcels within and surrounding the compartment. The north side is State land and the east side is Munuscong Bay. Land use is hunting, trail riding, and timber and wildlife management. Landscape level management is limited here but proper planning is crucial to sustainability.

### Unique Natural Features:

Munuscong Bay borders the east side.

### Archeological, Historical, and Cultural Features:

None known.

### Special Management Designations or Considerations:

Munuscong Bay

### Watershed and Fisheries Considerations:

This compartment contains Lake Huron shoreline along Munuscong Bay within the St. Marys River. Munuscong Bay provides important spawning and nursery habitat for walleye. Recommend that a buffer strip (no clear cutting) of at least 100 feet be maintained in Stand 18, and that best management practices be applied to minimize erosion and sedimentation into Munuscong Bay.

### Wildlife Habitat Considerations:

Compartment 57 is adjacent to Munuscong Bay and is located in the Munuscong Bay Management Area (MA). Featured species in the MA include American bittern, American woodcock, mallard, sharp-tailed grouse, and white-tailed deer. Lowland types ranging from marsh and lowland hardwoods to cedar dominate close to the bay. Near-shore areas provide nesting habitat for some raptors and cavity-nesting waterfowl as well as other migratory bird species. Further inland, aspen, northern hardwoods, and some red pine stands are present. A prominent ridge runs from northwest to southeast through part of the compartment. The southern end of the compartment is in deer wintering complex, and use by deer was apparent in 2015. Wildlife objectives include maintaining stands close to the bay to provide nesting habitat for cavity-nesting waterfowl and raptors, maintaining conifer cover in the deer wintering complex, maintaining aspen where it exists, and promoting diversity in northern hardwoods. Deciduous stands in deer wintering complex will be cut during the winter months so tops are available as browse for deer. Young deciduous growth resulting from some management activities will favor American woodcock as well as deer and ruffed grouse. Activities should be conducted in accordance with the

updated Munuscong Bay State Wildlife Management Area Management Plan.

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

Surface sediments consist of lacustrine sand and gravel, peat and muck, and coarse-textured till. The glacial drift thickness varies between 50 and 200 feet. The Ordovician Richmond Group subcrops below the glacial drift. Some of the units of this group could be used for stone. There may be a small gravel pit in Section 35 as well as one in Section 3 (T43N R1E) and a larger pit in Section 11 (T43N R1E) less than two miles south of the compartment. Sand and gravel potential appears to be good in this area. There is no current economic oil and gas production in the UP.

### **Vehicle Access:**

Gogomain road and 23 mile road provide access to this compartment. The two roads are connected by a county road which is gated off but also used as the snowmobile trail. From these main roads several other two tracks can be accessed.

### **Survey Needs:**

Multiple corners will be needed before setting up a timber sale in this area.

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

The snowmobile trail goes through but no facilities exist. Hunting is a primary activity.

### **Fire Protection:**

Good access to the south and west parts. Limited access to the north and east through private property. Water sources are scarce but can be found a few miles away in the surrounding areas.

### **Additional Compartment Information:**

A Forest Treatment Proposal (FTP) has been approved to treat invasive phragmites and frogbit along the Munuscong Bay shoreline. Treatments as per work instructions and FTP may occur along the shoreline as necessary to slow the colonization of invasive species.

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

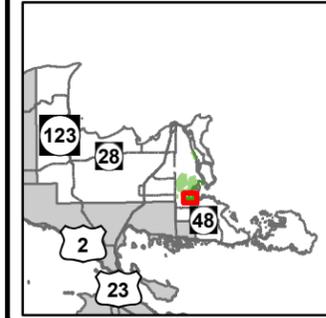
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

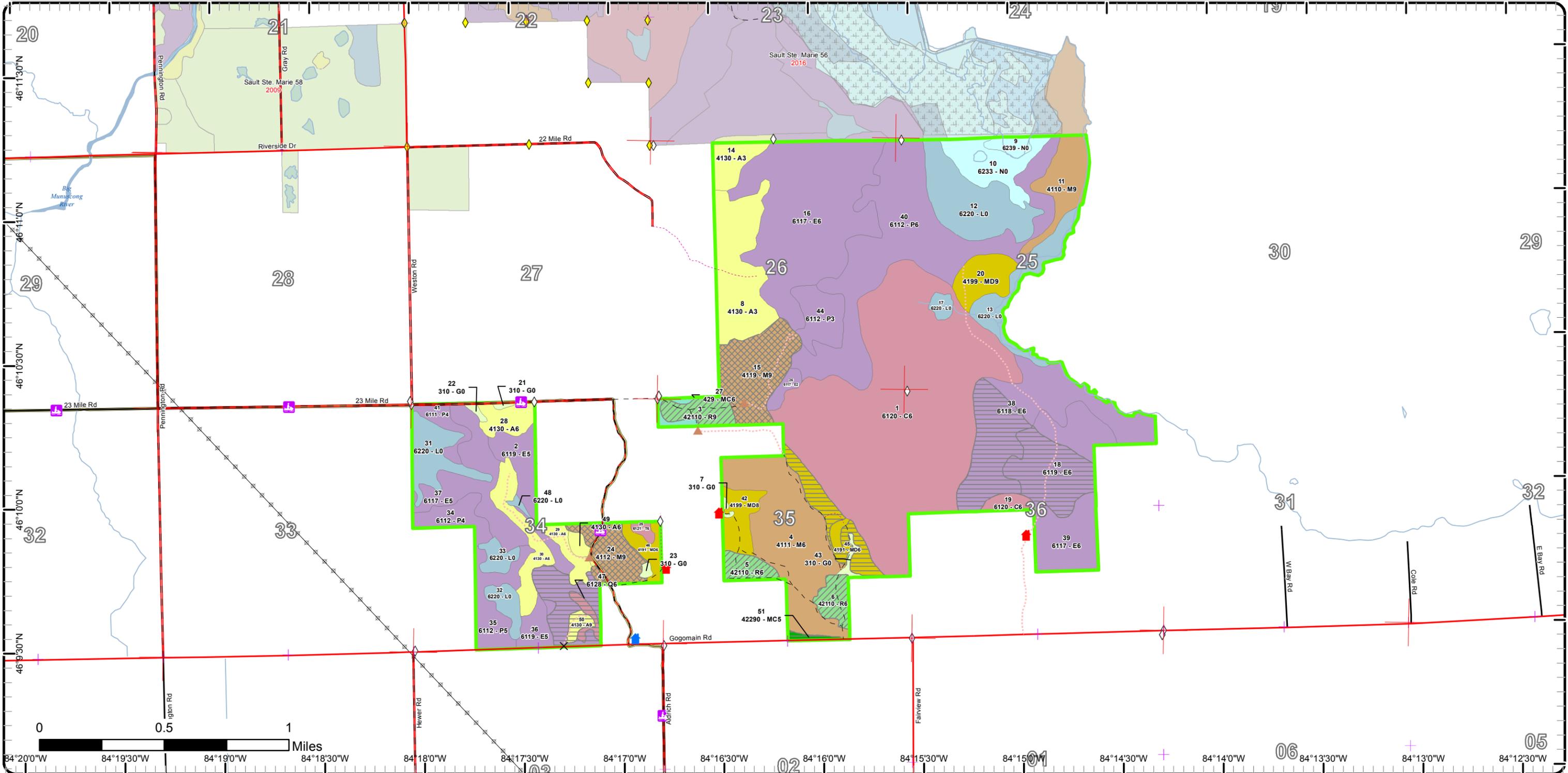
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments

Compartment: 57  
 T44N, R01E, Sec: 25, 26, 34-36  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 Mgmt Area: Munuscong Bay  
 YOE: 2017  
 Acres: 1914 GIS Calculated  
 Examiner: Josh Brinks  
 Map Revised: 8/10/2015  
 Map Phase: Review

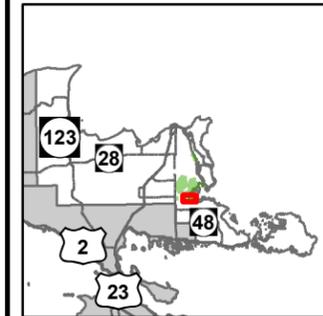


- ✚ Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- - Poor Dirt Roads
- County Poor Dirt Roads
- ⋯ Trail (Non-Recreation)
- ⋯ Closed Roads
- ✕ Gate
- ▲ Berms
- ⚡ Snowmobile Trails
- Rivers
- Lakes
- ⚡ Powerline
- Treatments
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- Forest Cotype
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Cotype
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

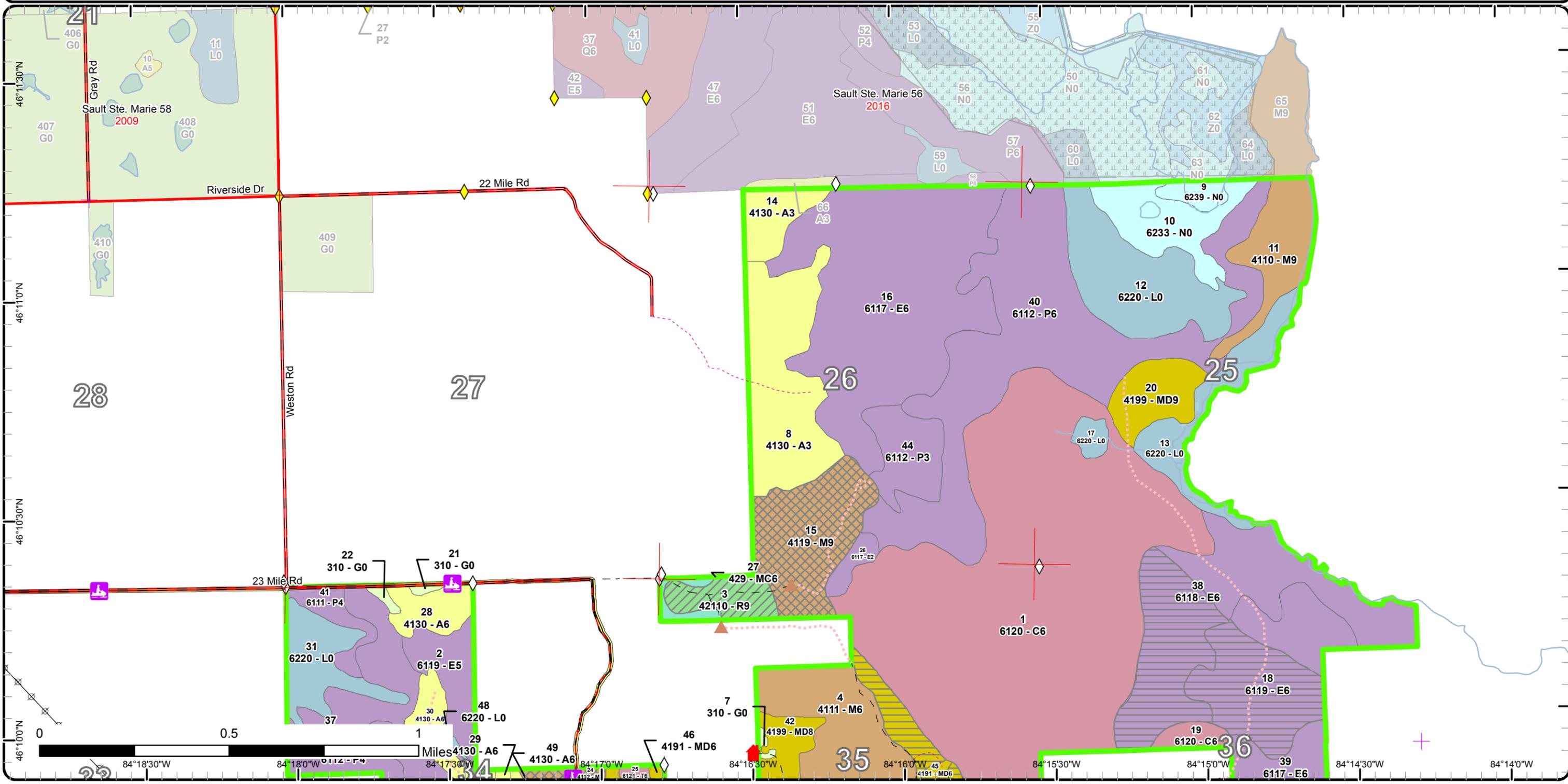


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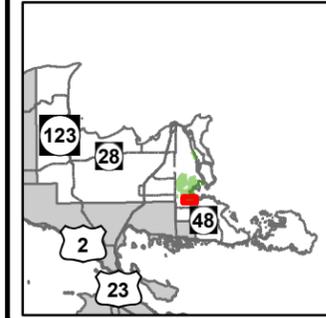


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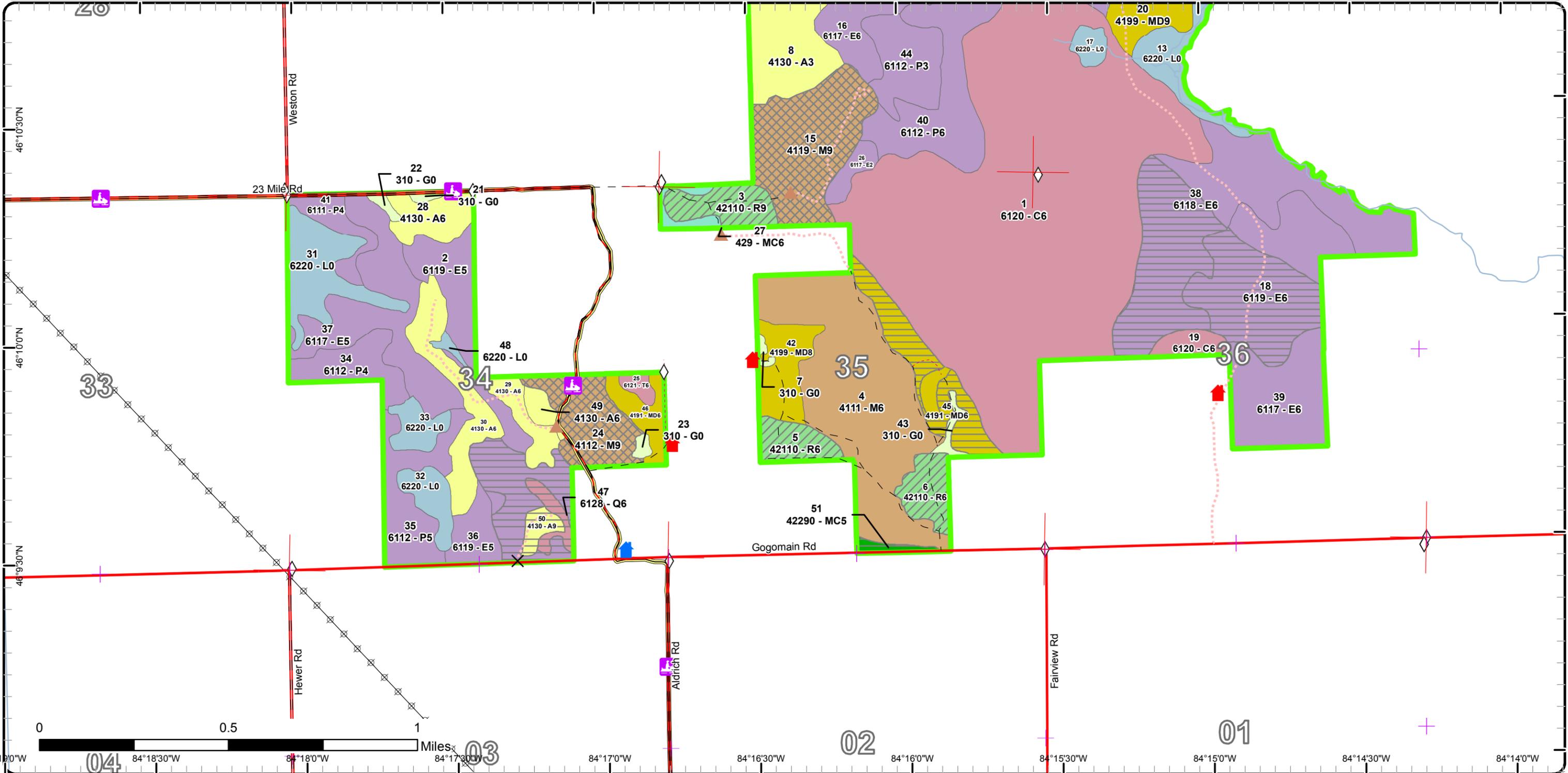


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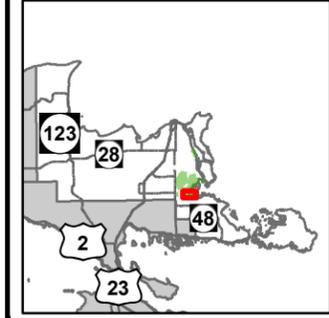


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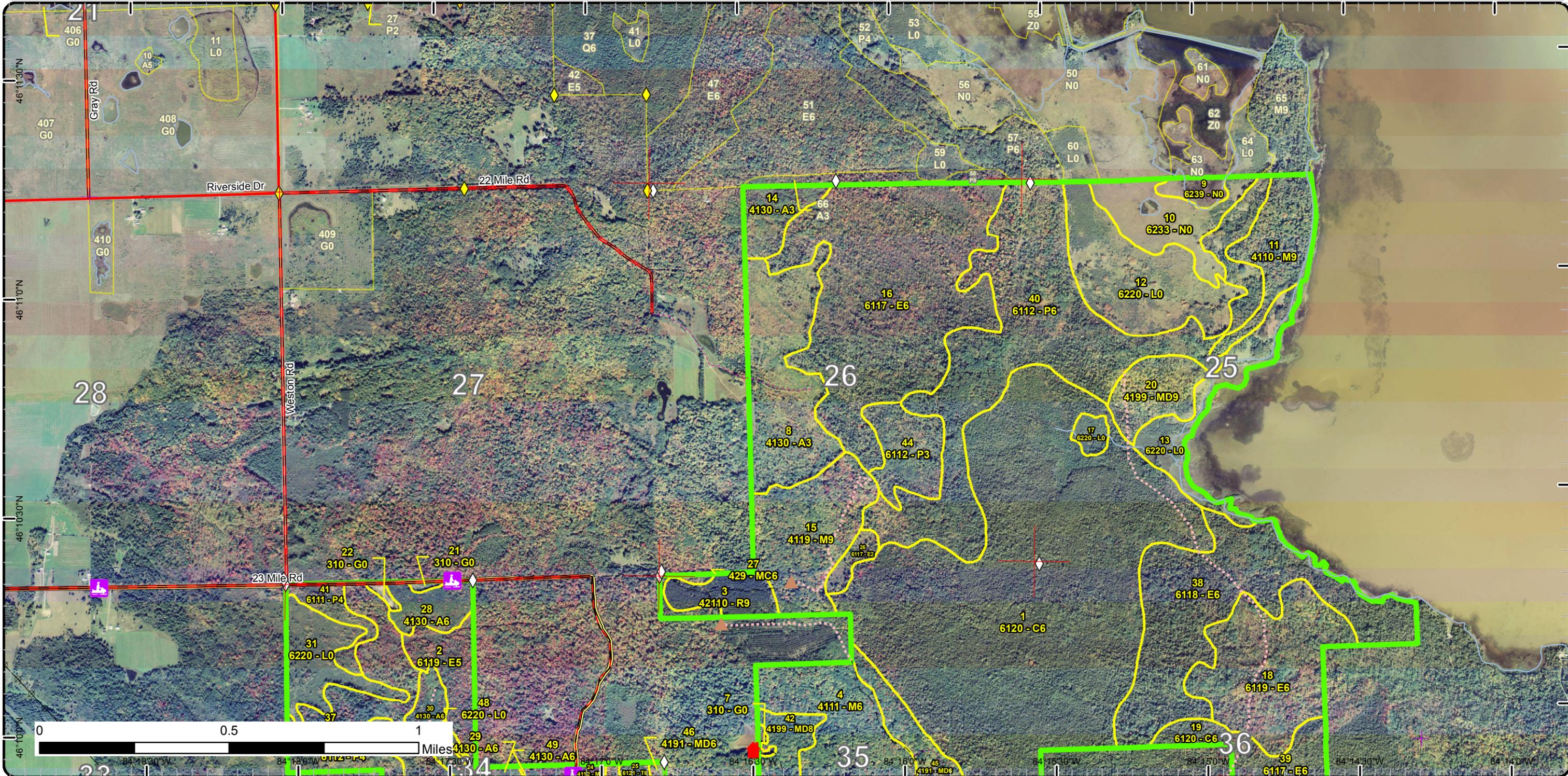


# Stand Boundary Map

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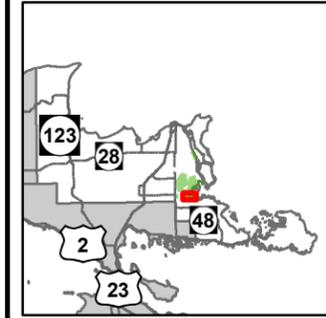
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# Special Conservation Areas & Site Conditions Map

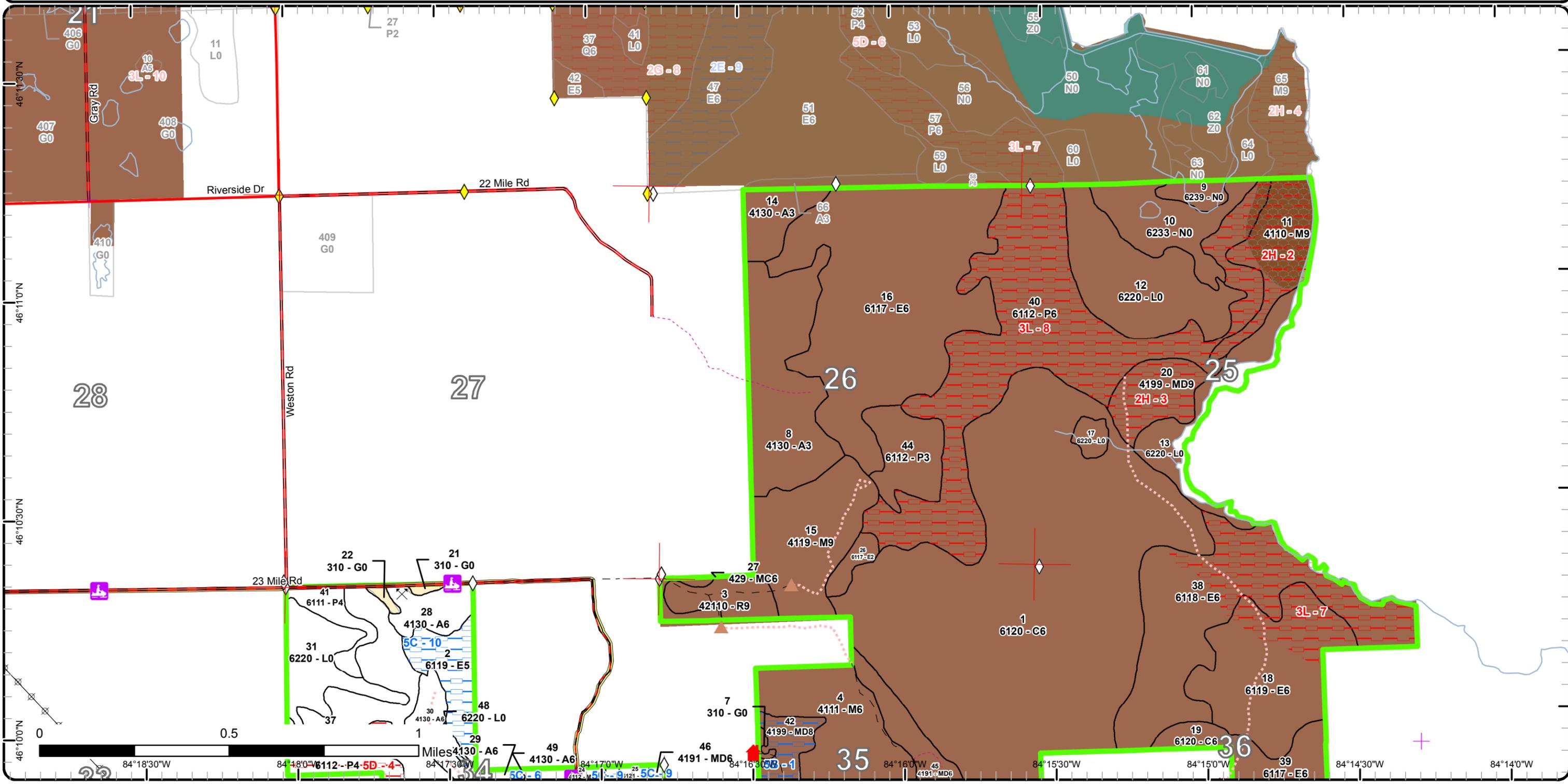
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- ▭ Stand Boundaries
- ⊞ Recommendation
- ⊞ SCA Removal
- ⊞ Site Condition
- Available w/ Constraints
- Unavailable

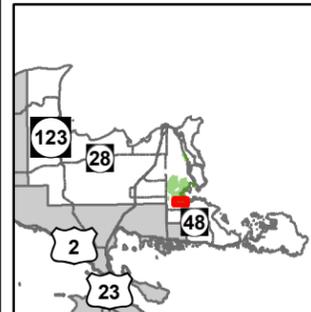
- Available Factors W/ Constraints
- 5B: Maintain for regeneration purposes
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
  - 3L: Other wildlife concerns
  - 5D: Unproductive Forest Land

- Special Conservation Areas
- Coastal Environmental Areas
  - Dedicated Management Areas
  - Wildlife Management Areas
  - Sand or Gravel Pit
  - Sand or Gravel Pit
  - Potential Old Growth

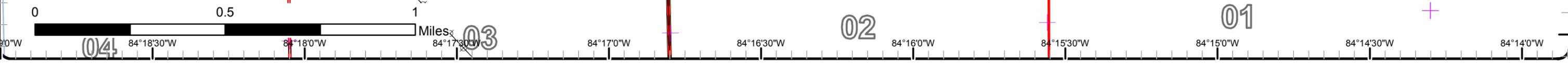
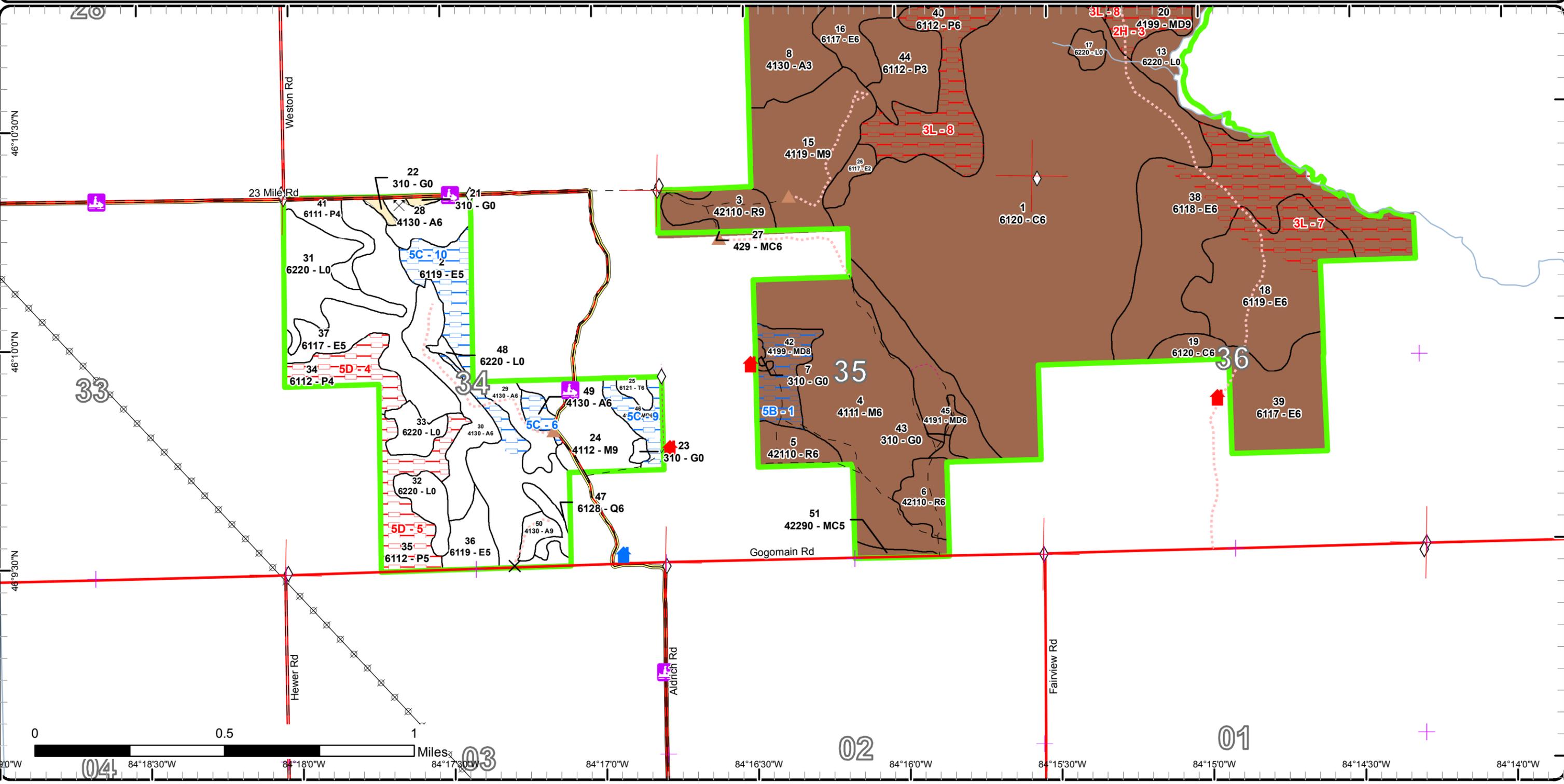


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Report 1 – Total Acres by Cover Type and Age Class



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	70	17	53	0	0	5	0	5	0	0	0	0	0	0	0	0	0	150
Cedar	0	0	0	0	0	0	0	8	0	0	0	0	0	387	0	0	0	0	395
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Aspen/Balsam Poplar	0	0	0	26	12	20	0	29	175	0	0	0	0	0	0	0	0	0	262
Lowland Conifers	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Lowland Deciduous	0	7	0	0	0	0	56	173	125	172	0	0	0	0	0	0	0	0	533
Lowland Shrub	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152
Marsh	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	42	0	44	0	0	0	0	0	0	0	86
Natural Mixed Pines	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Northern Hardwood	0	0	0	0	0	0	0	0	109	87	33	0	0	0	0	0	0	0	229
Red Pine	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	43
Tamarack	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>202</b>	<b>77</b>	<b>17</b>	<b>79</b>	<b>12</b>	<b>28</b>	<b>107</b>	<b>215</b>	<b>456</b>	<b>259</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>387</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1916</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2017

Acres of Harvest

Compartment 57  
Total Compartment Acres: 1,914

Commercial Harvest - 304  
Harvests with Site Condition - 0  
Next Step Harvest - 3  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	5	0	0	0	0	0	0	0	0	5
Lowland Conifers	5	0	0	0	0	0	0	0	0	5
Lowland Deciduous	134	0	0	0	0	0	0	0	0	134
Mixed Upland Deciduous	27	0	0	0	0	0	0	0	0	27
Natural Mixed Pines	3	0	0	0	0	0	0	0	0	3
Northern Hardwood	0	87	0	0	0	0	0	0	0	87
Red Pine	0	0	0	0	0	43	0	0	0	43
<b>Total</b>	<b>174</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>304</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	304	0	0	0	0	0	0	0	0	304
Next Step	3	57	0	0	0	0	261	0	0	321
<b>Total</b>	<b>307</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261</b>	<b>0</b>	<b>0</b>	<b>625</b>



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2 45057002-Cut	29.7	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	83	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature red maple spaced every 75ft (this will leave 8 trees per acre).  
Specs: Leave all cedar, oak, pine, yellow birch and hemlock. Stay out of areas of tag alder and low quality ash.

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration includes maple, aspen, balsam poplar, fir, spruce, elm, ash, pine.

Other Comment: Winter harvest because the ground is fairly wet here. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:

Proposed Start Date: 10/1 /2016

3 45057003-Cut	16.7	42110 - Planted Red Pine	Sawtimber Well	53	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Thin to 120 BA. Release the best quality tree by taking the small and/or deformed trees first. Protect species diversity by leaving under represented trees.  
Specs:

Next Step  
Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

5 45057005-Cut	12.7	42110 - Planted Red Pine	Poletimber Well	53	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Thin to 120 BA. Release the best quality tree by taking the small and/or deformed trees first. Protect species diversity by leaving under represented trees.  
Specs:

Next Step  
Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

6 45057006-Cut	13.8	42110 - Planted Red Pine	Poletimber Well	53	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Thin to 120 BA. Release the best quality tree by taking the small and/or deformed trees first. Protect species diversity by leaving under represented trees.  
Specs:

Next Step  
Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
15	45057015-Cut	57.1	4119 - Mixed Northern Hardwoods	Sawtimber Well	85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin to 80 leaving under represented trees where present. Do not cut oak, hemlock, yellow birch or pine. Open up around these species to enhance regeneration. Use equipment o scarify around the groves of hemlock during the harvest.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes maple, birch, hemlock, basswood, oak, ironwood, ash, fir, spruce, and aspen.											
<u>Other Comment:</u> Work with WLD to do scarification work around hemlock. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:											
<u>Proposed Start Date:</u> 10/1 /2016											
18	45057018-Cut	49.5	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	74	111-140	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more. Leave a 100 foot diameter patch of mature timber for ever 5 acres of sale area. Do not cut cedar, yellow birch, oak, pine or hemlock. Winter harvest (Dec. 1-Mar. 31) so tops are available as browse to wintering deer and due to the wet ground.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes maple, aspen, balsam poplar, cedar, birch, ash, fir, spruce, tamarack, and pine											
<u>Other Comment:</u> Landowner (Hatfield) to the south has said they will allow us to use his road as access for logging but it may be too wet. Make sure that this treatment is not effected by any EO's to the north. Old next step comments:											
<u>Proposed Start Date:</u> 10/1 /2016											
24	45057024-Cut	29.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	83	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Mark stand to 80 to 90 basal area. Leave all oak and hemlock and open up canopy gaps around them to enhance regeneration. Cut all aspen and where possible make a big enough gap to get aspen regeneration after harvest.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes maple, birch, oak, fir, spruce, aspen, and pine.											
<u>Other Comment:</u> Buffer the raptor nest. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:											
<u>Proposed Start Date:</u> 10/1 /2016											
38	45057038-Cut	54.5	6118 - Lowland Deciduous with Cedar	Poletimber Well	84	111-140	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more. Leave a 100 foot diameter patch of mature timber for ever 5 acres of sale area. Do not cut cedar, yellow birch, oak, pine or hemlock. Stay out of thick patches of cedar and areas of poor quality ash. Winter harvest because of the Deer Yard and wet ground. Buffer the lake by at least ¼ mi. to leave nesting trees.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes cedar, BAM, aspen, maple, birch fir spruce pine.											
<u>Other Comment:</u> Only a portion of this stand will be harvested mostly those areas of best quality trees adjacent to stand 18. Treatment outline will change after red line is ran. Make sure that this treatment is not effected by any EO's to the north. Adequately buffer any nests. Old next step comments:											
<u>Proposed Start Date:</u> 10/1 /2016											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
45 45057045-Cut	26.7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	77	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature maple tree spaced every 75ft (this will leave 8 trees per acre). Leave the area around the hemlock to provide connectivity between the cedar swamp and the hardwood stand. Stay out of patches of thick hemlock, do not cut hemlock, cedar, pine, oak or yellow birch.

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration includes maple, aspen, fir, oak, hemlock, spruce birch and pine.

Other Comment: Winter harvest (Dec. 1-Mar. 31) so tops are available as browse to wintering deer. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:

Proposed Start Date: 10/1 /2016

47 45057047-Cut	5.4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	68	111-140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Stay out of wet area with tag alder.

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration includes spruce, tamarack, cedar, maple, birch, balsam poplar, fir, pine.

Other Comment: Stand is wet harvest in the winter. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:

Proposed Start Date: 10/1 /2016

50 45057050-Cut	5.1	4130 - Aspen	Sawtimber Well	77	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Leave all oak and pine.

Next Step  
Treatments:

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

Other Comment: Caution equipment about debris left on the ground from the dump site. If exposed rock is found, contact WLD staff to address potential T/E species concerns. Old next step comments:

Proposed Start Date: 10/1 /2016

51 45057051-Cut	3.2	42290 - Natural Mixed Pine	Poletimber Medium	46	51-80	Harvest	Clearcut with Retention	3303 - Mixed Low Density Trees		Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all scotch pine, retain anything that is not scotch pine. Attempt to eradicate scotch pine from this portion of state land.

Next Step  
Treatments: Monitoring, Other - Specify; Harvest, Clearcut with Retention

Acceptable Regen: It will be acceptable for this stand to regenerate to natural species such as maple, aspen, jack pine, red pine, white pine, cherry, fir spruce, oak.

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

**Total Treatment  
Acreage Proposed: 304.2**

## Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 57

Year of Entry: 2017

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions						
		With Condition	Not Available		5B	5C	2H	3L	5D	
151	146	5	0	Aspen		5				
395	395	0	0	Cedar						
9	9	0	0	Herbaceous Openland						
261	37	0	223	Lowland Aspen/Balsam Poplar				175	48	
5	5	0	0	Lowland Conifers						
531	426	30	75	Lowland Deciduous		30		75		
152	152	0	0	Lowland Shrub						
41	41	0	0	Marsh						
86	30	32	24	Mixed Upland Deciduous	20	12	24			
3	3	0	0	Natural Mixed Pines						
229	196	0	33	Northern Hardwood			33			
43	43	0	0	Red Pine						
3	3	0	0	Tamarack						
5	5	0	0	Upland Conifers						
1,914	1,492	66	356	Total Forested Acres	20	46	57	250	48	
	78%	3%	19%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The stand was opened up last time it was harvest and it is not yet ready for another treatment.							
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	33	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hardwood island with no access. Stand is within a half mile of the water therefore according to the Munuscong plan it should not be harvested and allow to function naturally.							

## Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 57

Year of Entry: 2017

3	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	24	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hardwood island with no access. Stand is within a half mile of the water therefore according to the Munuscong plan it should not be harvested and allow to function naturally.							
4	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	20	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	29	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is healthy and should be left for 10 more years.							
7	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	75	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Shoreline buffer							
8	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	175	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wildlife would like to leave this shoreline stand for cavity nesters and for raptor nests.							

## Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 57

Year of Entry: 2017

9	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Save for next year of entry.							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> North portion of this stand should be looked at again in 10 years.							



**Report 6 – 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
Unspecified	Potential Old Growth		SCA Removal	28
<b>Comments</b>				
SOME SCATTERED W. ASH IN STAND. A RARE STAND NOT MANY M TYPES ALONG THE RIVER. DEAD TOPS AND BORER DAMAGE THROUGH OUT, BUT STILL SOME NICE BIG AWSOME TREES IN STAND. 1995: COMMENTS "old growth"				



**Report 7 – 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
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	387.1	126	171-200	Obvious spruce budworm damage in this stand. Some areas of very large cedar and other of sapling size depending on how wet it is. Very thick understory. There were some strips cut in the west side of this stand about 40 years ago. They have regenerated to very dense balsam fir.
2	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	60.6	83	51-80	Mostly red maple with paper birch. Lots of balsam fir in the understory. According to the OI notes this stand was picked over when the adjacent stand was clearcut. The north half of the stand does not have a very thick canopy but the southern portion is more closed and has less balsam fir. A patch of lowland ash in the very southern part of the stand.
3	42110 - Planted Red Pine	Sawtimber Well	16.7	53	171-200	Stand was planted in 1962 and was thinned in 2009 as part of the Little Pine Block sale. There are a few scattered trees in the canopy of other species mostly paper birch. There is a mild amount of regen coming up in the understory.
4	4111 - S.Maple, Hard Mast Association	Poletimber Well	109.0	77	81-110	Stand was last thinned in 2008 as part of Deer Trails Hardwood. Nice stand of hardwood with little underbrush. Regen is starting to come up after thinning.
5	42110 - Planted Red Pine	Poletimber Well	12.7	53	201+	Stand was planted in 1962 and third row thinned in 1999. It is begging to be thinned again. In the few spots where the canopy is a thinner there is a decent amount of hardwood regeneration coming in.
6	42110 - Planted Red Pine	Poletimber Well	13.8	53	171-200	Stand was planted in 1962 and third row thinned in 1999. It is begging to be thinned again. Very nice stand of red pine with a few areas of thick under brush. There are also a few patches where the canopy is dominated by species other than red pine.
8	4130 - Aspen	Sapling Well	70.1	6	Immature	Stand was cut in 2009. Regen is doing awesome. Some scattered cedar, yellow birch and oak were left during the harvest.
11	4110 - Sugar Maple Association	Sawtimber Well	33.3	95	111-140	high and dry ridge of maple and ash. Cedar and ash along the outside edges of the stand.
14	4130 - Aspen	Sapling Well	17.2	14	Immature	Stand was cut in 2001. Good regeneration to aspen/ash mix.
15	4119 - Mixed Northern Hardwoods	Sawtimber Well	57.1	85	81-110	Nice hardwood stand that has a step ridge running from the south east to the northwest. Last thinned in 2000. As you head east toward lower ground the stand transitions into more red maple and hemlock. Regen is mostly maple and stripped maple.
16	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	173.1	62	111-140	Stand is mostly E type dominated by ash and BAM. Some areas of P type. Scattered pockets of large cedar. Very wet stand.
18	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	75.3	74	111-140	Stand is variable with pockets of real nice aspen along with areas of poor quality ash and patches of pole size red maple.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6120 - Lowland Cedar	Poletimber Well	7.7	69	111-140	Thick stand of smaller diameter cedar.
20	4199 - Other Mixed Upland Deciduous	Sawtimber Well	24.1	92	111-140	A lot of the larger trees in this stand are starting to die. Great regen is coming in underneath. More conifer is mixed in along the edges of the stand.
24	4112 - Maple, Beech, Cherry Association	Sawtimber Well	29.8	83	111-140	Nice maple stand. A few scattered Balsam fir very little in the sub canopy. Some scattered aspen and at least one clone growing in the stand.
25	6121 - Tamarack	Poletimber Well	3.4	57	81-110	Stand of mostly tamarack with scattered spruce and white pine. Stand is very wet and was covered in ice when inventory was done.
26	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	6.7	6	Immature	Stand was cut as part of Hi-Lo Aspen which was completed in 2009. There is a lot of raspberry with saplings growing through it and under it. The few scattered oak that were left during the harvest has resulted in some oak regeneration. During the harvest pole and log size yellow birch, hemlock and oak were left. Most of the regen is red maple and hazel.
27	429 - Mixed Upland Conifers	Poletimber Well	5.0	44	81-110	Mixed stand that surrounds the plantation. Some very large white pine.
28	4130 - Aspen	Poletimber Well	15.4	27	51-80	Stand was cut in 1988 as part of the Tiny Trespass sale. Stand is right on the edge of a sapling/pole size stand. More pole size trees in the canopy. Wet spots have regenerated with tamarack and tag alder.
29	4130 - Aspen	Poletimber Well	10.6	25	51-80	Stand was cut in 1990 and has regenerated very nice. A few scattered oak in this stand.
30	4130 - Aspen	Poletimber Well	27.4	25	51-80	Stand was cut in 1990 and has regenerated to mostly aspen and is doing very well. The south portion of the stand is lowland aspen.
34	6112 - Lowland Aspen	Poletimber Poor	19.5	49	1-50	Tag alder with enough trees growing in it to consider it a forested stand.
35	6112 - Lowland Aspen	Poletimber Medium	28.8	65	51-80	Wet stand that is supporting aspen growth over tag alder. Some very large aspen in the southwest corner.
36	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	12.6	57	51-80	Small pole size E stand with lots of ash and tag alder in the understory. Very poor quality.
37	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	49.9	71	51-80	Stand is a catch all for the forested area that was not cut. Some areas of very nice aspen, other areas of a nice mix of species. In areas where the canopy is more open there is a lot of regen coming up. Canopy is more closed at the southern end of the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	6118 - Lowland Deciduous with Cedar	Poletimber Well	110.5	84	111-140	Very diverse stand. BAM and cedar transitions to quacking aspen, red maple and cedar on patches of higher ground. Cedar and BAM is quite large in DBH. Stand shows signs of budworm damage.
39	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	42.6	57	81-110	Smaller diameter stand with some log and large pole size trees. Looks to be very wet.
40	6112 - Lowland Aspen	Poletimber Well	175.0	77	111-140	This is a mixed stand. The finger to the east is pure aspen with very little in the understory besides grass. The portion of the stand closes to the "bay" is more of a P type. There are some patches of E type in the interior that are either black ash or red maple depending on how wet it is.
41	6111 - Lowland Balsam Poplar	Poletimber Poor	11.7	39	1-50	This stand is full of poor quality trees growing over top of tag alder. Stand is very wet. Last inventory it was included in the tag alder stand but it has enough of a canopy to distinguish it from the stand to the south.
42	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	19.9	92	51-80	When the stand was cut in 1989 all red oak, white ash and aspen smaller than 12" were left. Everything else was harvested. The stand now has a two aged look with log size aspen, oak and ash with sapling/pole size maple, ironwood and cherry. Some oak did regenerate after the harvest.
44	6112 - Lowland Aspen	Sapling Well	25.8	26	Immature	Stand was cut in 1988. Mostly aspen and paper birch with some scattered larger cedars. Stand is right on the boarder of becoming a pole size stand.
45	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	30.3	77	111-140	This is a transitional stand between the hardwood and cedar stand. It is still on top of the Gogomain Ridge. The stand is dominated by red maple and aspen. There are many scattered oak throughout the stand and there is a patch of nice hemlock.
46	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.7	71	111-140	This stand is dominated by red maple with a few clones of aspen mixed in. The understory is very thick with balsam fir. There is a grove of hemlock adjacent to the tamarack stand to the north.
47	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	5.4	68	111-140	Small area of Q. Mostly tamarack and black spruce.
49	4130 - Aspen	Poletimber Well	4.6	57	81-110	The aspen in this stand is older and of larger DBH than the rest of the aspen to the west. Not sure if this was cut before or if it was just left when the rest was cut.
50	4130 - Aspen	Sawtimber Well	5.1	77	111-140	This stand contains the old Pickford Dump site. The ground is covered with tin cans, barb wire and other scrap. This high ridge is growing very nice aspen.
51	42290 - Natural Mixed Pine	Poletimber Medium	3.2	46	51-80	Stand of scotch pine along the road. This pine continues on the neighbors property and across the street.



Stand	Cover Type	Acres	Managed Site	General Comments:
7	310 - Herbaceous Openland	1.3	No	This stand include a driveway and part of a field near a camp.
9	6239 - Mixed Emergent Wetland	7.0	No	
10	6233 - Wet Meadow	33.5	No	
12	6220 - Alder/willow	61.8	No	Some scattered aspen are growing in this stand.
13	6220 - Alder/willow	33.3	No	Stand includes areas of wet meadow and an aspen clone.
17	6220 - Alder/willow	5.2	No	old beaver flooding.
21	310 - Herbaceous Openland	1.3	No	Landing area with a turn around. One clone of aspen along the road.
22	310 - Herbaceous Openland	1.8	No	Open area used as a landing and turn around.
23	310 - Herbaceous Openland	1.6	No	A few clumps of trees and scattered saplings growing in a grassy area.
31	6220 - Alder/willow	29.5	No	Large area of tag alder. A few scattered overstory trees can be found through out the stand.
32	6220 - Alder/willow	10.9	No	Tag alder with scattered deciduous trees.
33	6220 - Alder/willow	9.4	No	Tag alder stand with scatted aspen.
43	310 - Herbaceous Openland	3.0	No	Some trees are starting to grow in the opening.
48	6220 - Alder/willow	1.7	No	Mostly tag alder with a few scattered black spruce.