



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45201

Entry Year 2021

Acreage: 3,797

County Mackinac

Management Area: Lake Michigan Shoreline

**Revision Date:** 2019-08-02

**Stand Examiner:** Matt Edison

## Legal Description:

T 42 N R 11 W Section 1, 2, 10, 11, 12, 13, 14 (Newton TWP.)

T 43 N R 11 W Section 35 (Newton TWP.)

## Identified Planning Goals:

Located in Northern most portion of Simmons Woods acquisition. This area was purchased in 1996 and had been actively managed prior to that date. It is within the Lake Michigan Shoreline Management Area. Young aspen regeneration and heavily thinned hardwood stands are common. This entry management will treat scattered hardwood stands in need of thinning. The majority of the eastern part of the compartment was designated as proposed old growth in the original Simmons Woods Plan.

## Soil and topography:

Area ranges from rock outcrops to low swamps along the river corridors. Soil types include Amadon-Rock outcrop complex, Wallace sand, Amadon-Longrie sandy loams, Spot-Finch complex, Springlake loamy coarse sand, Markey and Carbondale mucks, Guardlake fine sandy loam, and Ensign fine sandy loam.

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

State land to the east, south and southwest, including two other Simmons Woods compartments. There is Private farmland to the north and northwest. There are private in-holdings around Dry Lake.

## Unique Natural Features:

Crow River, Scrams Creek and McEachern Creek flow through the compartment. Also includes Amadon Pond, Sherman Pond and McEachern Spring. Per MNFI report, there is potential for numerous threatened and endangered plant and animal species within this compartment.

## Archeological, Historical, and Cultural Features:

One site, 20MK490 is located within stand 102. As no treatment is proposed in this area, we have no concerns.

## Special Management Designations or Considerations:

Eastern portion of compartment is proposed old growth, mainly in a corridor along and around Crow River. There is a Draft management Plan for Simmon's Woods.

## Watershed and Fisheries Considerations:

The northern region of this compartment contains multiple waterbodies including McEachern Creek, McEachern Spring, Scrams Creek, Dry Lake, Crow River, Amadon Pond, Sherman Pond, Shedown Creek and several unnamed lotic and lentic waterbodies.

The McEachern Creek is designated a Type 1 trout stream less than 50' width and serves as a tributary to Dry Lake. A 300' buffer is recommended for McEachern Creek in riparian areas susceptible to Aspen regeneration (specifically stands 5, 8, 16, 23, 30, 37, 43, 46, 71, 84, and 108). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices (specifically stands 2, 3, 4, 7, 10, 13, 20, 34, 52, 60, and 107). McEachern Spring is designated a Type 1 trout stream greater than 50' width and is the headwater region of McEachern Creek. 100' plus 5' per 1% increase in slope; buffers are recommended to protect McEachern Spring in accordance with Best Management Practices (specifically stand 9).

The western region of this compartment contains Scrams Creek. Scrams Creek is designated a Type 1 trout stream less than 50' width and serves as a tributary to McEachern Creek. A 300' buffer is recommended for Scrams Creek in riparian areas susceptible to Aspen regeneration (specifically stands 19, 32, and 37). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices (specifically stands 21, 24, and 107).

This compartment contains the western shore of Dry Lake. 100' plus 5' per 1% increase in slope; buffers are recommended to protect Dry Lake shoreland areas in accordance with Best Management Practices (specifically stands 12 and 14).

The Crow River is located in the central eastern region of this compartment. The Crow River is a designated trout stream less than 50' width and serves as a tributary to Amadon Pond, Sherman Pond and finally, Lake Michigan. Prior to its confluence with Amadon Pond, the Crow River is designated a Type 1 trout stream less than 50' width. As the Crow River flows out of Amadon Pond the designation becomes a Type 4 trout stream less than 50' width. A 300' buffer is recommended for the Crow River in riparian areas susceptible to Aspen regeneration (specifically stands 84, 99, and 102). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices (specifically stands 69, 73, and 83).

The southern region of this compartment contains Shedowin Creek. Shedowin Creek is designated a Type 1 trout stream less than 50' width which serves as a tributary to Barns Pond. A 300' buffer is recommended for Shedowin Creek in riparian areas susceptible to Aspen regeneration (specifically stands 98 and 99). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices (specifically stands 87 and 101).

Various regions of this compartment contain several named (Amadon Pond, Sherman Pond) and unnamed waterbodies. 100' plus 5' per 1% increase in slope; buffers are recommended for all waterbodies to protect shoreland areas adjacent to these unnamed waterbodies in accordance with Best Management Practices (specifically stands 4, 6, 7, 17, 20, 69, 72, 77, and 96).

### **Wildlife Habitat Considerations:**

Compartment 201 is part of the Lake Michigan Shoreline MA where featured wildlife species include piping plover and white-tailed deer. This is part of the Simmonds Woods area. The eastern side of the compartment contains a dedicated habitat area (DHA) for core interior forest species, a wooded dune and swale complex ecological reference area (ERA), and another habitat area to be managed similar to the DHA per agreements with partners during the land acquisition process when this land was acquired in the mid-1990's. Both the DHA and ERA extend east into the next compartment. Numerous ponds or ponded swales between upland ridges are characteristic of the wooded dune and swale complex and provides habitat for amphibians and other wildlife. A number of water features are present including Dry Lake, Amadon Pond, Sherman Pond, Scrams Creek, McEachern Creek, and the Crow River. Most of Dry Lake is bordered by a private inholding on the north end of the compartment. Cover types range from northern hardwoods and aspen to upland and lowland conifers and wetlands. The compartment was heavily managed historically (i.e. prior to state ownership); forest management has continued over the past 20 years of state management. Limestone bedrock is visible on the surface in some locations, and influences the cover types present. The southeast end is part of deer wintering complex. Wildlife objectives include maintaining areas identified for special management consideration like the DHA and ERA as well as those associated with the acquisition of the property, protecting rare species and community types, encouraging diversity in northern hardwoods, providing age class diversity between early successional (aspen) stands, and protecting wetlands and riparian areas. Harvests planned in northern hardwood stands will encourage age class and structural diversity within the stands. Some large woody trees as well as mast-producing species and all hemlock will be maintained. The results should benefit deer, black bear, and hawks among other species. Many aspen stands are of similar age but are not ready for treatment and still provide habitat for ruffed grouse and other species. Diversifying age classes should be considered in the future. Stands in identified areas (DHA, ERA, etc.) will be left to provide the respective habitat values in these areas and benefit migratory birds among other wildlife. Wetlands and riparian areas will be buffered and protected, benefitting beaver, otter, and other species. Lowland conifer cover will be left to provide cover, particularly in deer wintering complex.

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

Active sand/gravel production is occurring less than two miles to the northwest, and just beyond that there is active limestone/dolostone production. There is both sand & gravel and limestone/dolostone potential within the compartment. Wetlands in the area could add significant cost to any potential surface mining operations. There is no known metallic mineral potential in this area, and there is no current economic oil and gas production in the UP.

### **Vehicle Access:**

: Main access into this compartment is from the south via Simmons Woods Road (County gravel) or from the west via Polly Road (County gravel). There is an extensive road network throughout the compartment including several good quality dirt roads and numerous two tracks. Many of the two tracks are bermed, but provide good access for future land management activities.

### **Survey Needs:**

None this entry

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

Simmons Woods is heavily used for various recreational activities. There are established dispersed campsites with outhouse and pump just south of the compartment. ORV riding, hunting, trapping, as well as fishing are all common within this compartment.

### **Fire Protection:**

There are areas of grass opening and dry upland stands that have potential for fire activity. There is a high level of public recreation activity resulting in higher than normal ignition source potential than most of the surrounding area. Dispersed camping is common and ORV use. Lowland areas would result in mop-up intensive fires. Water sources are plentiful with Duel Lake and various creeks scattered throughout. Extensive road network provides access to most internal areas of the compartment.

**Additional Compartment Information:**

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

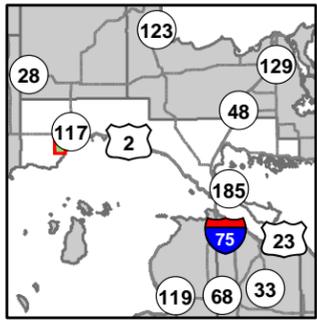
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

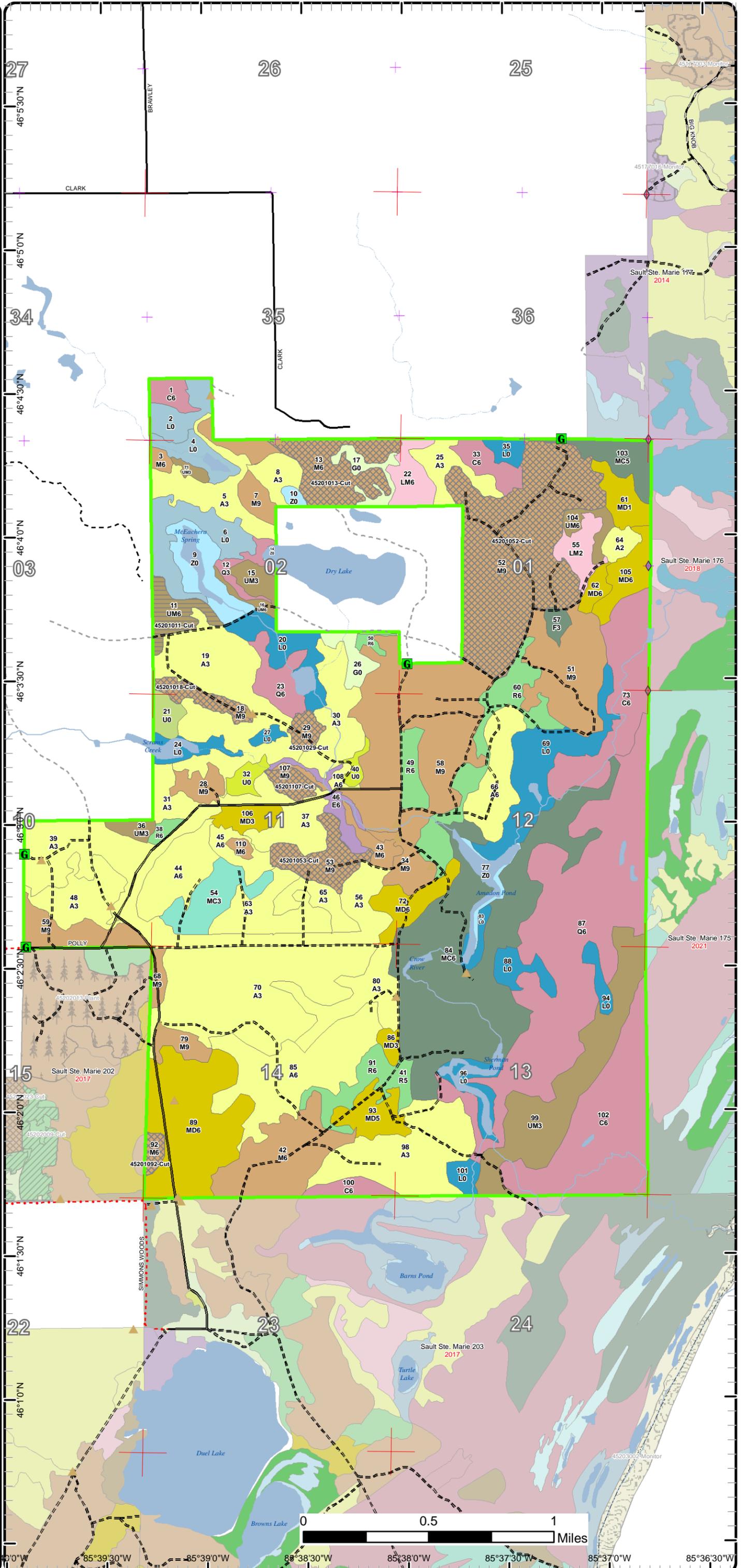
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 201  
 T42N,R11W, Sec: 1, 2, 10-12, 13, 14  
 T43N, R11W, Sec: 35  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: Lake Michigan Shoreline  
 YOE: 2021  
 Acres: 3,797 GIS Calculated  
 Examiner: Matt Edison  
 Map Revised: 8/16/2019

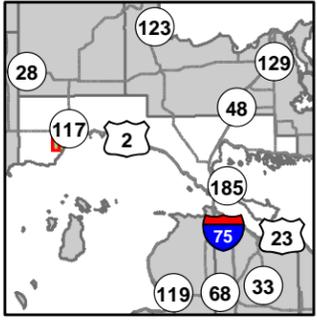


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- - - Counties
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- ▲ Berms
- G Gate
- Bridges
- Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

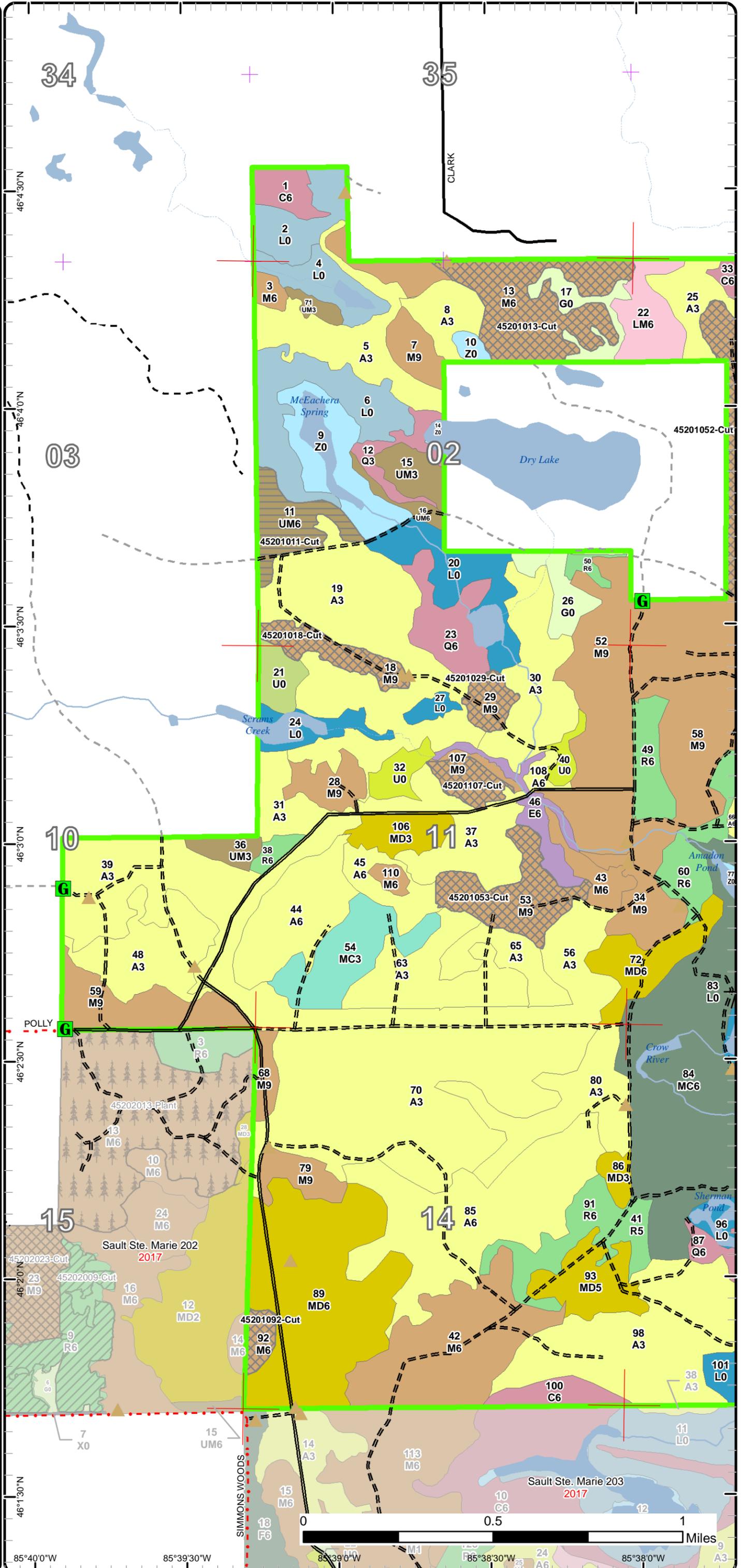


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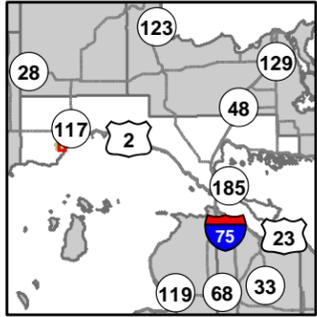
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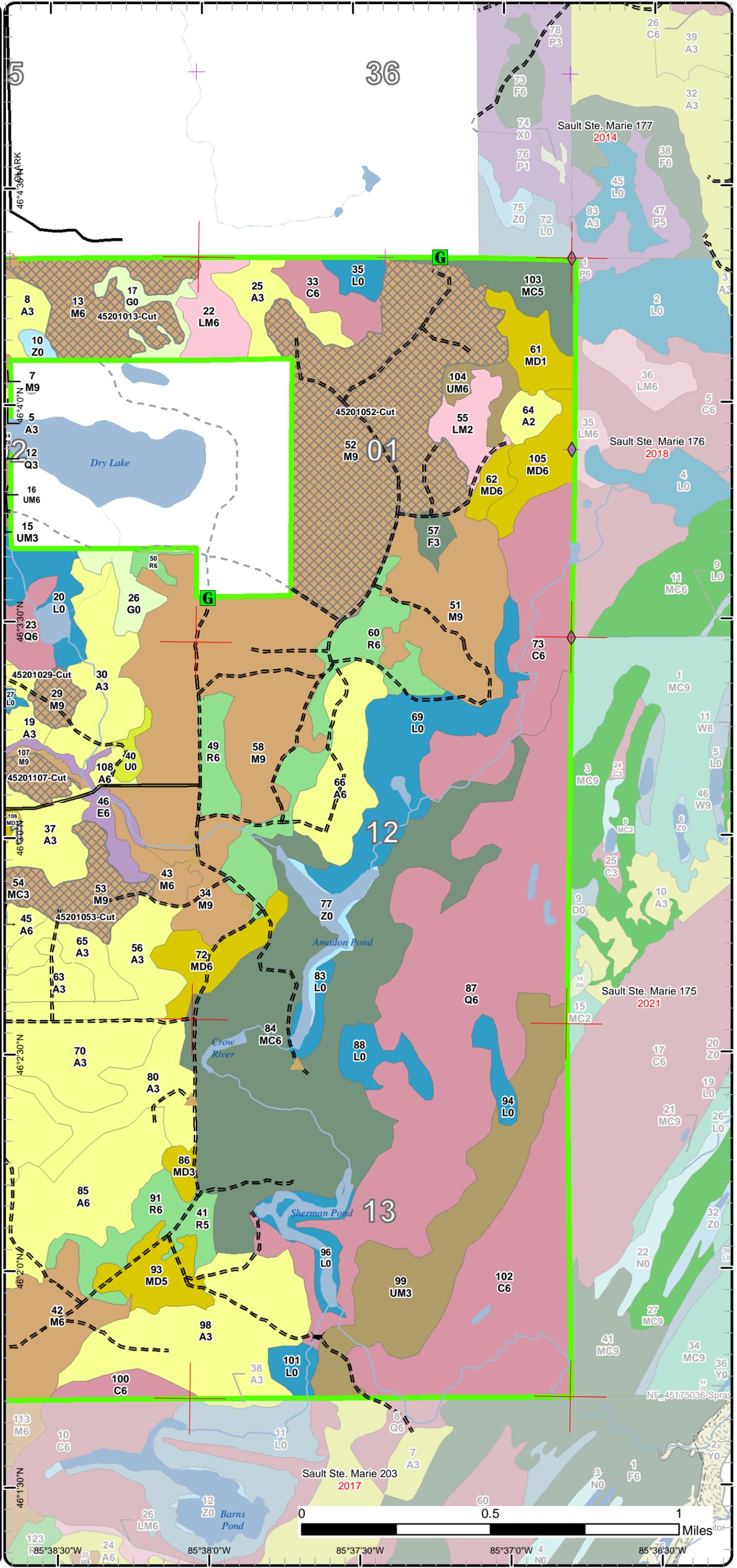
85°40'0"W 85°39'30"W 85°39'0"W 85°38'30"W 85°38'0"W

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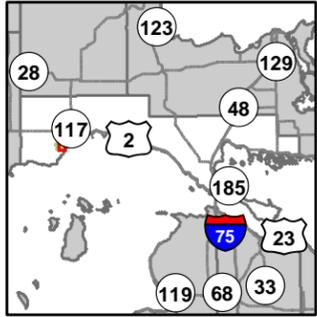


0 0.5 1 Miles

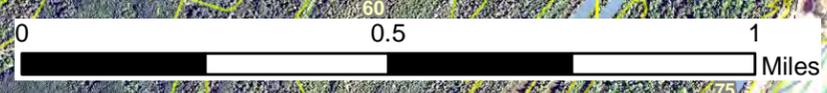
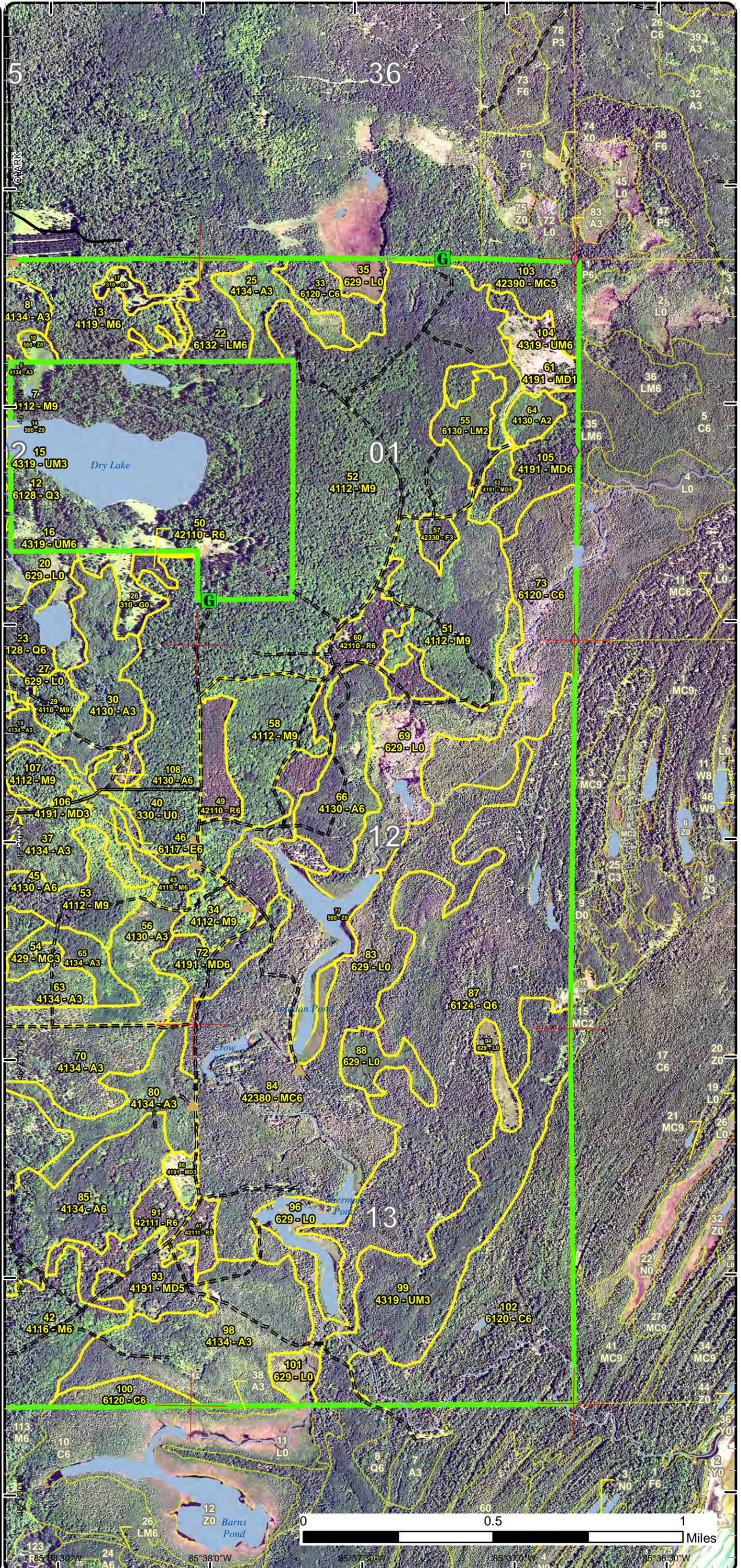


# Stand Boundary Map

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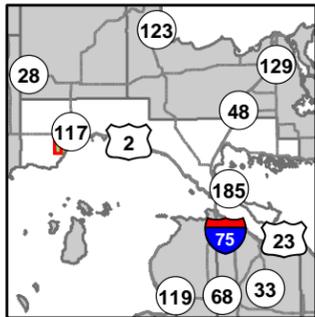
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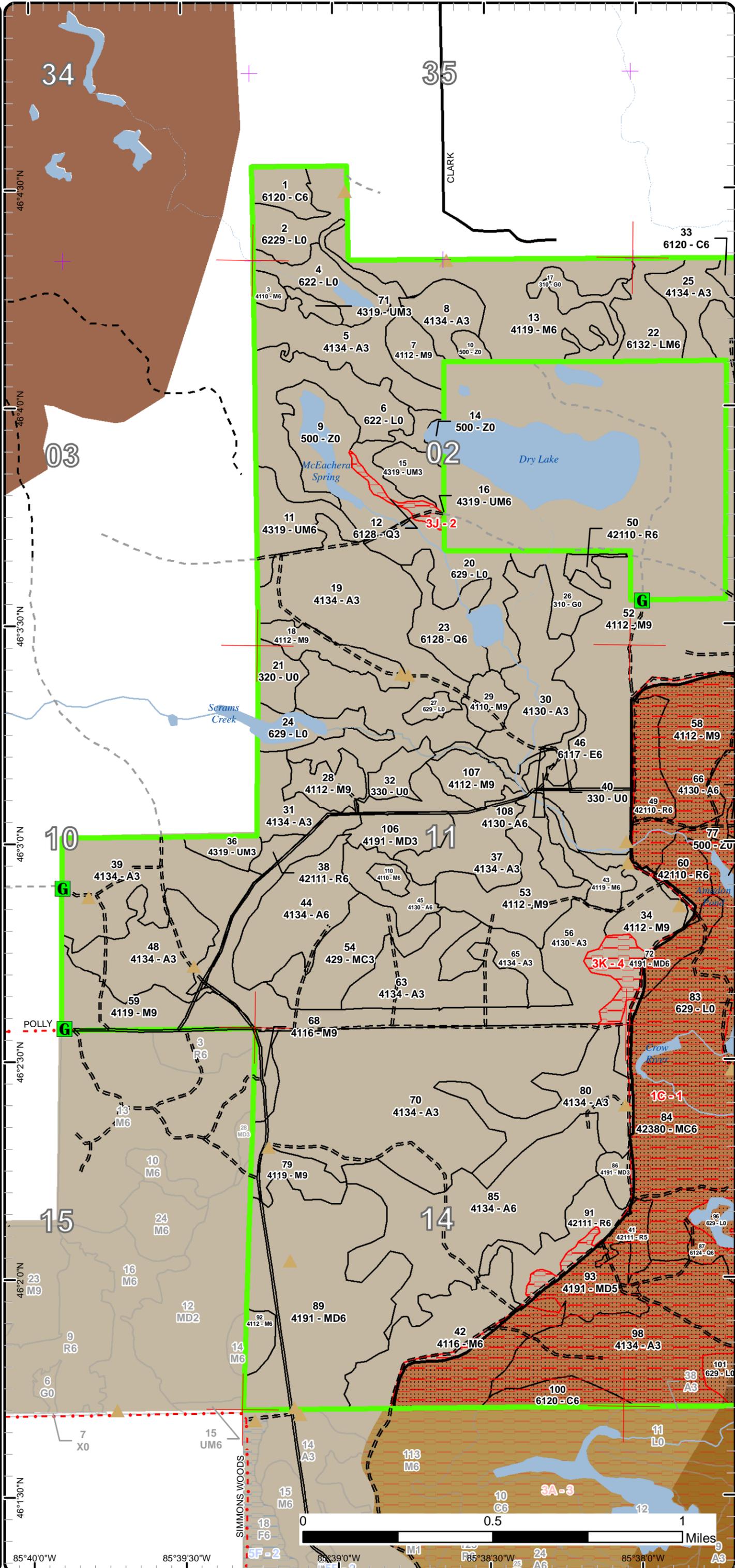
123 R65°38'30"W 24 85°38'0"W 11 85°37'30"W 4 85°37'0"W 75 35°36'30"W

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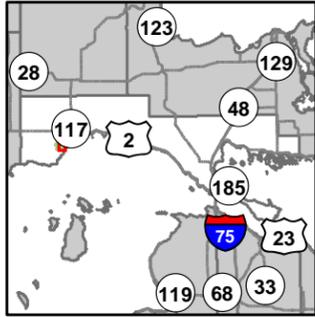


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- ▲ Berms
- G Gate
- Unavailable
- 1C: Other dept or div proc/practices
- 3J: Water quality / BMPs (stream, river, or lake)
- 3K: Rare or unique landforms
- Stand Boundaries
- SCA
- Forest Habitat Core Interior
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Other Habitat Area

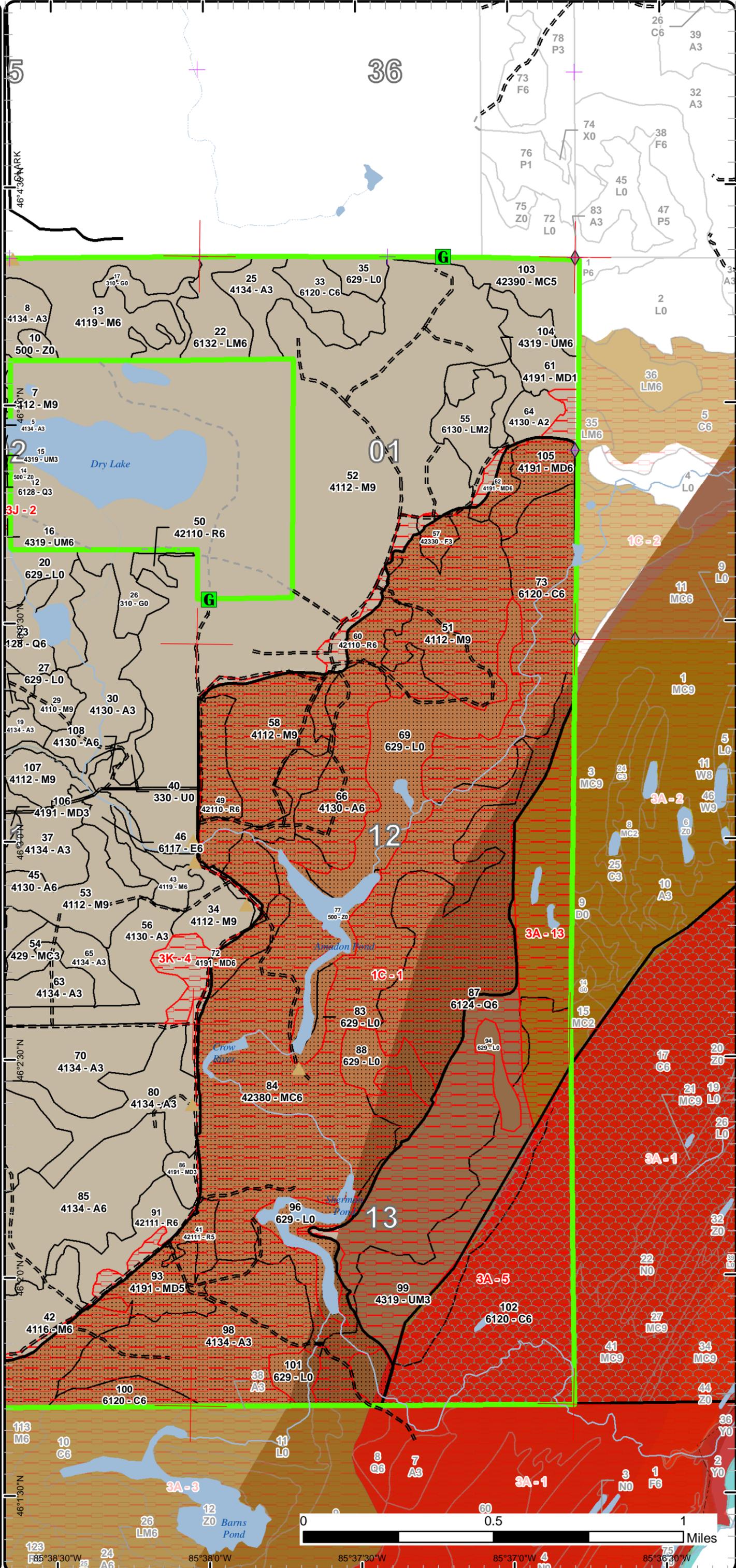


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- Berms
- Gate
- Bridges
- Compartment Boundary
- Unavailable
- 1C: Other dept or div proc/practices
- 3A: Conservation Values incompatible with harvest at this time
- 3K: Rare or unique landforms
- Stand Boundaries
- SCA
- SCA Removal
- Ecological Reference Areas
- Coastal Environmental Areas
- Forest Habitat Core Interior
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks
- Deer Winter Range
- Other Habitat Area
- Possible Type 2 Old Growth



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	111	118	836	16	0	0	0	0	0	0	0	0	0	0	0	0	1081
Cedar	0	0	0	0	0	0	0	0	0	0	19	221	25	0	0	0	0	0	265
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Low-Density Trees	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Conifers	0	0	0	0	11	0	285	0	25	0	0	0	0	0	0	0	0	0	321
Lowland Deciduous	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Mixed Forest	0	0	0	0	20	0	0	0	0	0	0	23	0	0	0	0	0	0	43
Lowland Shrub	281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281
Mixed Upland Deciduous	0	28	16	0	0	118	26	61	0	0	0	0	0	0	0	0	0	0	249
Northern Hardwood	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	808	812
Red Pine	0	0	0	0	0	116	0	0	0	0	0	0	0	0	0	0	0	0	116
Upland Conifers	0	0	0	0	37	0	0	0	0	0	28	0	0	0	0	0	0	254	318
Upland Mixed Forest	0	0	0	0	132	0	0	5	0	34	0	0	0	0	0	0	0	0	171
Upland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Spruce/Fir	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
<b>Total</b>	<b>398</b>	<b>28</b>	<b>127</b>	<b>118</b>	<b>1043</b>	<b>250</b>	<b>327</b>	<b>70</b>	<b>25</b>	<b>34</b>	<b>47</b>	<b>244</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1062</b>	<b>3797</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2021

Compartment 201  
Total Compartment Acres: 3,797

### Acres of Harvest

Commercial Harvest - 368  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	345	0	0	0	0	0	0	0	345
Upland Mixed Forest	23	0	0	0	0	0	0	0	0	23
<b>Total</b>	<b>23</b>	<b>345</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	369	0	0	0	0	0	0	0	0	369
Next Step	0	0	0	0	0	369	0	0	0	369
<b>Total</b>	<b>369</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>737</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	Approval Status
11	45201011-Cut	23.1	4319 - Mixed Upland Forest	Poletimber Well	83	141-170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

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

Prescription Final harvest leaving a couple representative retention pockets. Do not cut any Hemlock if and where present. Buffer wetland according to  
Specs: BMPs. Harvest in very dry summer or frozen winter months due to lower spots in the access road. Leave some mature Aspen budding trees. Actual treatment acres may vary and will reflect the on the ground conditions found during sale prep.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

13	45201013-Cut	55.5	4119 - Mixed Northern Hardwoods	Poletimber Well	73	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin to regulation basal area of approximately 70-90 basal area. Do not lower basal area in areas that do not need it. Sale acres will reflect on  
Specs: the ground conditions and may be reduced due to pockets of lower basal area. Promote any healthy beech and do not cut any Hemlock if and where present. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

18	45201018-Cut	17.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin to regulation basal area of approximately 70-90 basal area. Do not lower basal area in areas that do not need it. Promote any healthy  
Specs: Beech. Promote Yellow Birch. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

29	45201029-Cut	10.0	4110 - Sugar Maple Association	Sawtimber Well	78	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin to regulation basal area of approximately 70-90 basal area. Do not lower basal area in areas that do not need it. Promote any healthy  
Specs: Beech. Promote Yellow Birch. Leave some large wolfy trees and other mast-producing species where present. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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
52	45201052-Cut	211.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	78	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal

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

Prescription Select cut focusing on some of the largest diameter trees. Thin to target basal area of 70-90. Do not lower basal area in areas that do not need it. Where there are healthy beech promote them. Also, promote yellow birch. Do not cut any hemlock or white pine if and where present. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

53	45201053-Cut	33.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin to regulation basal area of approximately 70-90 basal area. Do not lower basal area in areas that do not need it. Promote any healthy Beech. Promote Yellow Birch. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

92	45201092-Cut	7.1	4112 - Maple, Beech, Cherry Association	Poetimber Well	65	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Select cut focusing on some of the largest diameter trees. Thin to target basal area of 70-90. Do not lower basal area in areas that do not need it. Where there are healthy beech promote them. Also, promote yellow birch. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

107	45201107-Cut	11.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	73	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin to regulation basal area of approximately 70-90 basal area. Do not lower basal area in areas that do not need it. Promote any healthy Beech. Promote Yellow Birch. Leave some large wolfy trees and other mast-producing species where present. If boulders are present, survey for T/E species.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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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
14	45202014-Cut	4.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	89	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Select cut focusing on some of the largest diameter trees. Thin to target basal area of 70-90. Do not lower basal area in areas that do not need it. Where there are healthy beech promote them. Also, promote yellow birch.

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Any mix of Maple, Cherry, Yellow Birch, Paper Birch, Aspen, Beech, Spruce, Fir, Pine, Hemlock, or Cedar.  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020

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**Total Treatment Acreage Proposed: 372.7**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

Compartment: 201

Year of Entry: 2021

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
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### Dominant Site Conditions

Site No.	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions						
						5F	1C	3A	3J	3K	ed	
1081	942	0	0	139	Aspen		139	0				
264	38	0	0	226	Cedar		95	131				
28	28	0	0	0	Herbaceous Openland							
15	15	0	0	0	Low-Density Trees							
322	36	0	0	285	Lowland Conifers		225	60				
16	16	0	0	0	Lowland Deciduous							
43	43	0	0	0	Lowland Mixed Forest							
281	281	0	0	0	Lowland Shrub							
248	162	0	0	87	Mixed Upland Deciduous	0	73			13	0	
812	644	0	0	168	Northern Hardwood		168					
116	34	0	0	82	Red Pine		82					
318	68	0	0	251	Upland Conifers		251					
172	59	0	0	113	Upland Mixed Forest		68	39	5			
11	11	0	0	0	Upland Shrub							
7	0	0	0	7	Upland Spruce/Fir		7					
63	63	0	0	0	Water							
3,797	2,440	0	0	1,357	Total Forested Acres	0	1,107	231	5	13	0	
	64%	0%	0%	36%	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	Unavailable	1C: Other dept or div proc/practices	1,108	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Simmons Woods for long term retention							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

Compartment: 201

Year of Entry: 2021

4	<b>Unavailable</b>	<b>3K: Rare or unique landforms</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand littered with boulders, very limited operability.							
5	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	150	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> WDS ERA and DHA for pileated woodpecker, blackburian warbler etc							
7	<b>Unspecified</b>	<b>Unspecified</b>	0				
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	82	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> DHA for pileated woodpecker, blackburnian warbler, etc							



### 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
	Habitat Area	Habitat Corridor	SCA	1077
<b>Comments</b> Manage for mature forest conditions, similar to core habitat areas in adjacent compartments.				



## 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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
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	6120 - Lowland Cedar	Poletimber Well	11.7	110	81-110	N/A	Very wet, small cedar, some small red maple and scattered birch. Fair amount of deer sign (trails).																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling/Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling/Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>70</td> <td>Pole/Sapling</td> <td>7</td> <td>110</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Sapling	7		Paper Birch	10	Sapling/Pole	6		Balsam Fir	10	Sapling/Pole	5		Northern White Cedar	70	Pole/Sapling	7	110	<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling							
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2	6229 - Mixed lowland shrub	Nonstocked	22.5		Unspecified	No	Lots of Tag alder. Very wet. Some Aspen in patches of actual upland.																																				
3	4110 - Sugar Maple Association	Poletimber Well	4.4	61	51-80	N/A	Poor quality, somewhat sparse w/ a thick understory of brush. Beech has dropped out from BBD, lower ba.																																				
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4	622 - Lowland Shrub	Nonstocked	19.5			No																																					
5	4134 - Aspen, Spruce/Fir	Sapling Well	42.7	31	Immature	N/A	Large stand is mix of aspen, conifer, balm, and cherry. Variable size, quality, and composition depending on location.																																				
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6	622 - Lowland Shrub	Nonstocked	44.7		Unspecified	No																																					
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.6	69	51-80	N/A	Stand was thinned in 2016.																																				
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8	4134 - Aspen, Spruce/Fir	Sapling Well	17.3	31	Immature	N/A	Stand is aspen, conifer mix w/ somescattered residual r.m. Very low and wet in most of the west part of the stand.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9 500 - Water Nonstocked 38.2 No

10 500 - Water Nonstocked 3.8 No

11 4319 - Mixed Upland Forest Poletimber Well 23.1 83 141-170 N/A

Stand is a variable mix of aspen, spruce/fir, and a little birch. Timber is patchy. Mature stand, harvest. Leave the few scattered white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Pole	8	
Quaking Aspen	20	Pole	10	
Bigtooth Aspen	20	Pole	10	
Balsam Fir	20	Pole	9	
White Spruce	30	Pole	9	83

Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	5 - 10 feet	Sapling

12 6128 - Lowland Coniferous, Mixed Deciduous Sapling Well 11.2 31 Immature N/A

Mix of tamarack, aspen, and balsam/spruce. Wet ground. 10-15' tall avg.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Sapling	4	
Balsam Fir	15	Sapling	4	
Black Spruce	15	Sapling	4	
Tamarack	40	Sapling	4	31

13 4119 - Mixed Northern Hardwoods Poletimber Well 67.2 73 81-110 N/A

Stand was thinned in 2007. Good stand of pole & log s.m., w/ some r.m., beech, and ash. Still some large beech left. Favor the resistant beech. Thin the east part of the stand again this entry. The west part of stand is low basal area still.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Pole/Log	11	73
Red Maple	25	Pole	10	
Yellow Birch	10	Pole/Log	11	
White Ash	20	Log/Pole	12	

Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling

14 500 - Water Nonstocked 2.1 No

15 4319 - Mixed Upland Forest Sapling Well 12.7 31 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Pole/Sapling	5	31
Balsam Poplar	20	Sapling/Pole	4	
Balsam Fir	10	Sapling	4	
White Spruce	20	Pole/Sapling	5	
Northern White Cedar	10	Pole/Sapling	5	
Tamarack	10	Sapling/Pole	4	

Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
16	4319 - Mixed Upland Forest	Poletimber Well	5.3	67	111-140	N/A	Stand buffers wetland. Narrow ring of spruce, cedar, tamarack, aspen, birch. Poor quality, leave forever as buffer.																																																				
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20	629 - Mixed non-forested wetland	Nonstocked	36.0			No																																																					
21	320 - Upland Shrub	Nonstocked	11.4			No																																																					
22	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	23.0	108	111-140	N/A	Stand is lowland mix w/ some aspen and birch. Variable ground; very wet in some places, more to the southeast.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**23** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 25.0 70 51-80 N/A Wet stand of poor quality conifer and balm, aspen. Not much to do here.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	5		Black Spruce	Low	5 - 10 feet	Sapling
Quaking Aspen	10	Sapling/Pole	4					
Balsam Poplar	15	Pole/Sapling	5					
Black Spruce	20	Sapling	4					
Northern White Cedar	40	Pole	8	70				

**24** 629 - Mixed non-forested wetland Nonstocked 15.3 No

**25** 4134 - Aspen, Spruce/Fir Sapling Well 24.2 13 Immature N/A Stand was ccin 2007. Regen of aspen, r.m., and balsam present.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	
Quaking Aspen	50	Sapling	1	13
Balsam Fir	30	Sapling	1	

**26** 310 - Herbaceous Openland Nonstocked 14.8 No

**27** 629 - Mixed non-forested wetland Nonstocked 4.4 No

**28** 4112 - Maple, Beech, Cherry Association Sawtimber Well 14.3 63 51-80 N/A Pole stand of lower basal area. Not enough to thin this time.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	75	Log/Pole	10	63	Sugar Maple	Medium	10 - 20 feet	Sapling
Paper Birch	10	Pole	9		Beech	High	10 - 20 feet	Sapling
Red Maple	15	Pole	8					

**29** 4110 - Sugar Maple Association Sawtimber Well 10.0 78 51-80 N/A Thinned in 2007.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	85	Log/Pole	11	78	Sugar Maple	Medium	5 - 10 feet	Sapling
Beech	10	Log/Pole	14		Balsam Fir	Low	< 5 feet	Sapling

**30** 4130 - Aspen Sapling Well 46.3 31 Immature N/A Large cc from 1988. Nice looking aspen. Some balm in places.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Sapling	3	31	Maple (spp.)	Medium	< 5 feet	Sapling
Bigtooth Aspen	10	Sapling	3					
Balsam Poplar	15	Sapling	3					
Balsam Fir	10	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>31</b>	4134 - Aspen, Spruce/Fir	Sapling Well	17.7	31	Immature	N/A	CC in 1988. Aspen regen 20-30 ft.+ tall.																																													
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<b>32</b>	330 - Low-Density Trees	Nonstocked	9.5			No																																														
<b>33</b>	6120 - Lowland Cedar	Poletimber Well	18.6	90	51-80	N/A	Stand is lowland cedar mix. Small, w/ mix of aspen, spruce, rm,birch. Very wet in areas and not operable.																																													
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<b>34</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.4	79	51-80	N/A	Thinned in 2008 "Trap Setter". Basal area is still low after last thin. Check in 10 years.																																													
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<b>35</b>	629 - Mixed non-forested wetland	Nonstocked	8.8		Unspecified	No																																														
<b>36</b>	4319 - Mixed Upland Forest	Sapling Well	8.0	31	Immature	N/A	More mix of aspen/balsam regen. More conifer in this stand.																																													
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<b>37</b>	4134 - Aspen, Spruce/Fir	Sapling Well	40.9	31	Immature	N/A	A3 15-25'.																																													
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<b>38</b>	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	4.6	42	51-80	N/A	Planted in 1977. Variable size & quality. Short, limby, patchy poor rows. Areas of A3, birch within stand. could leave, thin, or cc.																																													
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<b>39</b>	4134 - Aspen, Spruce/Fir	Sapling Well	66.8	35	111-140	N/A	Aspen regen, 10-25' tall thick, w/ less balsam component.																																													
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<b>41</b>	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	9.2	49	81-110	N/A																																														
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					Aspen (spp.)	Low	5 - 10 feet	Sapling																																												
<b>42</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	76.1	75	81-110	N/A	Stand is variable. Area of good quality maple and areas mixed w/ aspen/conifer. Thick maple regen, with very little sunlight reaching through canopy to floor. Thin. Suggest treating whole stand including proposed old growth designated area/ remove stand from old growth area?																																													
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<b>43</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	11.6	73	51-80	N/A	Stand was thinned in 2007, sill lower basal area.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
44	4134 - Aspen, Spruce/Fir	Poletimber Well	43.2	35	111-140	N/A	Aspen/fir mix 15-25' tall, very rocky ground. Cut in 1984.																																													
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45	4130 - Aspen	Poletimber Well	15.8	44	Unspecified	N/A	Good looking aspen cut in 1975. Borderline to harvest. A lot of smaller diameter. Check size in 10 years.																																													
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46	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	16.2	54	81-110	N/A	Corridor along Scrams Creek.																																													
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48	4134 - Aspen, Spruce/Fir	Sapling Well	41.4	35	111-140	N/A	Stand is a3 mix with balsam spruce. Healthy 10-20' tall. Very rocky ground/ like pavement in spots. Very thin soil.																																													
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49	42110 - Planted Red Pine	Poletimber Well	17.0	40	111-140	N/A	Proposed old growth. Short limby pine, 2-3 sticks. Could be thinned.																																													
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50	42110 - Planted Red Pine	Poletimber Well	3.8	40	51-80	N/A	Ugly red pine plantation. Consider clear cutting it.																																													
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51	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76.7	78	81-110	N/A	Nice stand of mature hardwoods. Was thinned in 2008. There is still some decent live Beech scattered throughout. North and East parts of the stand could use thinning. Treat those parts and let the rest go and check in 10 years.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	4112 - Maple, Beech, Cherry Association	Sawtimber Well	333.5	78	81-110	N/A	Nice stand of mature hardwoods. Was thinned in 2008. There is still some decent live Beech scattered throughout. North and East parts of the stand could use thinning. Treat those parts and let the rest go and check in 10 years.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Sugar Maple		70	Log/Pole	14		78	
53	4112 - Maple, Beech, Cherry Association	Sawtimber Well	33.1	76	81-110	N/A	Thinned in 2003. Nice stand, could be thinned this time around.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Sugar Maple		55	Log/Pole	11		76	
Red Maple		35	Pole/Log	10			
<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>		<b>Size</b>		
Beech		High	5 - 10 feet		Sapling		
Balsam Fir		Low	< 5 feet		Sapling		
Maple (spp.)		Medium	< 5 feet		Sapling		
54	429 - Mixed Upland Conifers	Sapling Well	36.5	31	Immature	N/A	mixed conifer pole stand on bed rock.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Quaking Aspen		40	Sapling	3		31	
Balsam Fir		20	Sapling/Pole	4			
White Spruce		20	Sapling	3		31	
White Pine		20	Log/XLog	14			
<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>		<b>Size</b>		
Quaking Aspen		Medium	5 - 10 feet		Sapling		
Balsam Fir		Medium	< 5 feet		Sapling		
White Pine		Low	5 - 10 feet		Sapling		
55	6130 - Fir, Aspen, Maple	Sapling Medium	19.8	36	111-140	N/A	Proposed old growth. Small area within larger area of aspen regen. Wet ground, some standing water.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Quaking Aspen		51	Sapling	3		36	
Balsam Fir		49	Sapling	4			
<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>		<b>Size</b>		
Balsam Fir		Low	< 5 feet		Sapling		
Alder		Medium	5 - 10 feet		Tall Shrub		
56	4130 - Aspen	Sapling Well	77.2	13	Immature	N/A	Cc in 2007. A3 regen mixed w/ r.m., balsam, and some birch.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Red Maple		20	Sapling	5			
Paper Birch		10	Sapling/Pole	4			
Quaking Aspen		60	Sapling	1		13	
57	42330 - Upland Fir	Sapling Well	6.7	36	111-140	N/A	"Proposed old growth". Stand is mix of small diameter balsam fir & aspen, heavier to the balsam.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Quaking Aspen		30	Sapling	3			
Balsam Fir		70	Sapling	4		36	
58	4112 - Maple, Beech, Cherry Association	Sawtimber Well	56.4	78	81-110	N/A	Nice stand of mature hardwoods. Was thinned in 2008. There is still some decent live Beech scattered throughout. North and East parts of the stand could use thinning. Treat those parts and let the rest go and check in 10 years.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>	
Sugar Maple		70	Log/Pole	14		78	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
59	4119 - Mixed Northern Hardwoods	Sawtimber Well	33.1	78	81-110	N/A	Sugar maple with a good mix of aspen, paper birch and some yellow birch. Stand was thinned in 2016. Most of the beech has dropped out.																																	
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60	42110 - Planted Red Pine	Poletimber Well	56.8	47	111-140	N/A	Proposed old growth. Stand of 2-3 stick, limby red pine. Variable b.a., mostly in rows. 3rd row thin where rows exist, thin b.a. to 120, releasing 3 sides where no rows.																																	
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61	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	21.5	3	1-50	N/A	Stand was cut in 2016. Some clumps left.																																	
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62	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.7	69	141-170	N/A	"Proposed old growth". Stand is nice mix of p. birch, aspen, balsam/spruce, and red maple. There are single scattered cedar. Dry ground during wet spring field visit. Birch I healthy, but will decline before much longer. Should final harvest w/ cedar and any w.p./hemlock as reserve.																																	
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63	4134 - Aspen, Spruce/Fir	Sapling Well	43.1	31	Immature	N/A	Aspen/ conifer. Smaller size aspen than surrounding.																																	
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64	4130 - Aspen	Sapling Medium	9.8	13	Immature	N/A																																		
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<b>65</b>	4134 - Aspen, Spruce/Fir	Sapling Well	19.8	31	Immature	N/A	A3 20-30' tall, 4"dbh																																													
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<b>66</b>	4130 - Aspen	Poletimber Well	44.4	35	141-170	N/A	Proposed old growth area. Good looking aspen, small well stocked.																																													
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<b>68</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	8.3	62	51-80	N/A	Mostly poles with some larger scattered. Stand was thinned in 2016.																																													
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<b>69</b>	629 - Mixed non-forested wetland	Nonstocked	65.4		Unspecified	No																																														
<b>70</b>	4134 - Aspen, Spruce/Fir	Sapling Well	168.9	31	Immature	N/A	CC in 1988 . Aspen mix 15-35'																																													
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<b>71</b>	4319 - Mixed Upland Forest	Sapling Well	4.2	31	Immature	N/A	Large stand is mix of conifer, aspen. Variable size, quality, and composition depending on location.																																													
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<b>72</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	25.8	54	111-140	N/A	Small dia residual following clearcut adjacent. Left off of previous cut due to ridiculous amount of boulders and exposed bed rock, virtually inoperable. Low quality, leave as is.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**73** 6120 - Lowland Cedar Poletimber Well 82.3 108 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Pole	6	
Northern White Cedar	70	Pole	8	108
Tamarack	10	Pole	6	

**77** 500 - Water Nonstocked 18.5 No Stand swapped from Non-Forested to Forested. Stand swapped from Forested to Non-Forested.

**79** 4119 - Mixed Northern Hardwoods Sawtimber Well 13.1 71 81-110 N/A Sugar maple w mix . Pretty low basal area of merchantable size. Lots of brush underneath coming up.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	12	71	Sugar Maple	Low	5 - 10 feet	Sapling
Paper Birch	20	Pole	9		Beech	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Pole	6					

**80** 4134 - Aspen, Spruce/Fir Sapling Well 43.8 31 Immature N/A Stand is mix of a3 w/ conifer. Lots of rock.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	
Quaking Aspen	40	Sapling	3	31
Balsam Poplar	10	Sapling	2	
Balsam Fir	30	Sapling	3	

**83** 629 - Mixed non-forested wetland Nonstocked 7.5 No

**84** 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 253.9 114 141-170 N/A Proposed old growth. Completely variable standd ranges from cedar on lowest wettest areas to conifer mix w/ aspen birch on slughtly higher,dryer areas. Name it and its here. Large rocks and exposed rock in high ground.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch	10	Sapling/Pole	5		White Spruce	Medium	< 5 feet	Sapling
Quaking Aspen	10	Sapling	4					
Balsam Fir	10	Sapling/Pole	5					
White Spruce	10	Sapling/Pole	5					
Black Spruce	10	Sapling/Pole	5					
Northern White Cedar	25	Pole	6	114				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>85</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	100.9	37	111-140	N/A	Aspen, maple, birch, conifer jumble mix. Depends where you are what it is. Small diameters yet 4-6" 30'+ tall. Leave and see what happens for now. Check in 10 years.																																													
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<b>86</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	6.3	7	Immature	N/A	Mixed regen after harvest in ???																																													
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<b>87</b>	6124 - Lowland Spruce-Fir	Poletimber Well	285.3	52	141-170	N/A	Stand is mix of lowland conifer, aspen, cedar, birch. Proposed old growth designated. Ridge/ swale types.																																													
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<b>88</b>	629 - Mixed non-forested wetland	Nonstocked	16.1			No																																														
<b>89</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	118.2	41	81-110	N/A	Mix of aspen, spruce, birch, and maple on shallow/rock soil. Lots of bedrock and small boulders. Let go and see in 10 years.																																													
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<b>91</b>	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	24.4	49	81-110	N/A	Part hinned in ????																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
92	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.1	65	81-110	N/A	Nice pole stand with a few scattered large trees. Mostly sugar/ r. maple mix, but there is beech, ironwood, and yellow birch also. Could thin/ no cut yellow birch. Still a good amount of live Beech.. A lot of rocks, tough terrain in spots.																																					
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93	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	27.0	61	111-140	N/A	Opening that has forested clumps of aspen, maple, birch, balsam and r.p. depending on where you are at. Proposed old growth designated in most parts. Good to leave as is.																																					
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94	629 - Mixed non-forested wetland	Nonstocked	8.9			No																																						
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98	4134 - Aspen, Spruce/Fir	Sapling Well	94.8	31	Immature	N/A	Stand is mix of aspen & conifer. Proposed old growth designated.																																					
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99	4319 - Mixed Upland Forest	Sapling Well	107.5	37	141-170	N/A	Stand is mix of aspen birch & conifer. Proposed old growth designated.																																					
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100	6120 - Lowland Cedar	Poletimber Well	13.1	117	141-170	N/A	Cedar stand with open wetland in areas.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**101** 629 - Mixed non-forested wetland Nonstocked 9.4 No

**102** 6120 - Lowland Cedar Poletimber Well 138.6 108 Unspecified N/A Stand is complete mix, with ridge/swale. Proposed old growth designated.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole	8	108	Conifers	High	5 - 10 feet	Sapling
Black Spruce	15	Pole/Sapling	7					

**103** 42390 - Mixed Non-Pine Upland Conifers Poletimber Medium 27.8 99 51-80 N/A Mix stand surrounding previous clearcut. Variable high and low ground. Lots of tag alder in standing water. Sparse.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Sapling	6		Quaking Aspen	Medium	< 5 feet	Pole
Northern White Cedar	55	Pole/Sapling	6	99	Balsam Fir	Medium	5 - 10 feet	Pole
Black Spruce	10	Pole/Sapling	6		White Spruce	Medium	5 - 10 feet	Pole

**104** 4319 - Mixed Upland Forest Poletimber Well 11.3 88 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch	15	Pole/Sapling	6		Quaking Aspen	Medium	< 5 feet	Pole
Quaking Aspen	15	Pole	8		Balsam Fir	Medium	5 - 10 feet	Pole
Balsam Fir	10	Pole/Sapling	6		White Spruce	Medium	5 - 10 feet	Pole
Northern White Cedar	35	Pole	8	88				
White Pine	10	Log/XLog	14					
Red Maple	10	Pole	8					

**105** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 25.1 69 81-110 N/A Mix stand surrounding previous clearcut. Variable high and low ground. Hold for age class this entry and check in ten years for harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	11		Quaking Aspen	Medium	< 5 feet	Pole
Paper Birch	25	Pole	8	69	Balsam Fir	Medium	5 - 10 feet	Pole
Quaking Aspen	20	Pole	8		White Spruce	Medium	5 - 10 feet	Pole
Balsam Fir	20	Pole	8					
Northern White Cedar	10	Pole	8					
White Pine	10	Log/XLog	14					

**106** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 15.9 13 Immature N/A Cc in 2007. A3 regen mixed w/ r.m., balsam, and some birch.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	5	
Paper Birch	10	Sapling/Pole	4	
Quaking Aspen	35	Sapling	1	13
Balsam Fir	30	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**107**      4112 - Maple, Beech, Cherry Association      Sawtimber Well      14.1      73      81-110      N/A      Stand was thinned in 2007. basal area is high enough to thin again this entry. remove defective an a few larger diameter trees.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	10	73	Sugar Maple	Low	< 5 feet	Sapling
Red Maple	20	Pole/Log	9		Beech	Medium	< 5 feet	Sapling
Yellow Birch	10	Log	12					

**108**      4130 - Aspen      Poletimber Well      4.1      35      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole	7	
Quaking Aspen	75	Pole/Sapling	6	35
Balsam Fir	10	Sapling	4	

**110**      4110 - Sugar Maple Association      Poletimber Well      3.9      65      81-110      N/A      Thinned in 2007. Stand of small s. maple poles. Doesn't need any treatment this entry.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	95	Pole	8	65	Sugar Maple	Low	5 - 10 feet	Sapling
					Beech	Low	5 - 10 feet	Sapling