



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45202

Entry Year 2017

Acreage: 3,217

County Mackinac

Management Area: Lake Michigan Shoreline

Revision Date: 2015-08-07

Stand Examiner: Jennifer Burnham

Legal Description:

T42N-R11W, Sections 15, 16, 21, 22, 27, 28 and 34

Identified Planning Goals:

Southwestern part of Simmons Woods area. Young aspen and heavily thinned hardwood stands are common. Continue to treat over-mature aspen/birch stands and hardwood stands for beech and ash salvage along with selection treatments.

Soil and topography:

Level to rolling with rock at or near surface. Soil types include Amadon-Longrie sandy loam; Wallace sand; Wallace-Alcona complex; Superior fine sandy loam; Battydoe, stony-Wallace complex; Longrie-Battydoe, stony, complex; Springlake loamy coarse sand; Amadon-Rock complex; Ensign fine sandy loam; and Leafriver-Croswell-Wainola complex.

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

State land to the northeast, east and south, including two other Simmons Woods compartments. Private land to the north and corporate land to the west.

Unique Natural Features:

Karst features are evident by Stone Lake. A portion of the wooded dune and swale complex is within the compartment boundaries. The potential exists for raptors to use the mature hardwoods and/or pine stands. Also, potential for threatened or endangered plant and animal species exists.

Archeological, Historical, and Cultural Features:

Old homesteads and logging camp remnants occur within the compartment. More information can be found in the compartment file.

Special Management Designations or Considerations:

Compartment contains areas within a Designated Habitat Area.

Watershed and Fisheries Considerations:

Fisheries Values: Good Previous fisheries surveys found lots of Brook Trout in Cataract River.

Wildlife Habitat Considerations:

Compartment 202 is in the Simmons Woods area, which is part of the Lake Michigan Shoreline Management Area (MA). Featured species in the MA include piping plover and white-tailed deer. Habitats in this compartment range from wooded dune and swale complex (part of an ecological reference area) in the southeast to northern hardwoods and pine plantations. Duel Lake is located along the eastern boundary. Northern hardwoods and aspen are the dominant cover types.

American beech is a component of many hardwood stands, and recent harvests have targeted beech due to their decline resulting from beech bark disease. Additional treatments are planned targeting diseased trees. Where harvests occur, a representation of these trees will remain to provide future habitat for cavity nesters and other wildlife, and to help maintain diversity in the stand. Plantings of oak and other species will be considered for some stands if feasible to help mitigate the loss of beech nuts as a hard mast source and diversify some stands. Geology may be a limiting factor. Aspen stands remain young, but vary in age class, and provide habitat for deer, ruffed grouse, and American woodcock. Part of the compartment is located in deer wintering complex. Here, lowland conifer cover present will be maintained for winter cover. Portions of the compartment will be left as part of the Simmons Woods dedicated management area.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and minor coarse-textured till, in places thin to discontinuous. There is insufficient data to determine the glacial drift thickness (~< 30 feet). The Silurian Engadine and Manistique groups subcrop below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The Inland (Pfizer?) Quarry (Burnt Bluff Group) is located six miles to the northwest. There are some old, inactive gravel pits in the area. The

nearest active pit is located three miles to the north. Sand and gravel potential in the compartment may be limited due to the thin glacial sediments. There is no economic oil and gas production in the UP.

Vehicle Access:

This compartment is fairly well roaded, but access is limited due to bermed or gated roads. South Gould City Road runs along the west side of the compartment. Simmons Woods Road, a good county gravel road, provides the main access route to numerous other roads and two-tracks. Other county roads that provide limited access include Polly Road, a fair gravel road, Richardson Road, a fair to good gravel road, and LaLonde Road, a poor road. The main loop road from the adjacent compartment of Simmons Trail and Mitigwaking Trail are continued here along the Catarac River. LaPine Grade, which heads southwest from Duel Lake, is bermed in the adjacent compartment near a seasonal streambed. Any new roads built for timber sale purposes will be bermed when complete.

Survey Needs:

Approximately 1.5 miles of line needed for this entry years' timber sale purposes.

Recreational Facilities and Opportunities:

Primarily hunting and fishing, mushroom and berry picking. An organized dog-sled race usually takes place here in March.

Fire Protection:

Fire potential is low due to the large amount of acreage in hardwoods. Access into the compartment is good.

Additional Compartment Information:

None

The following reports from the Inventory are attached:

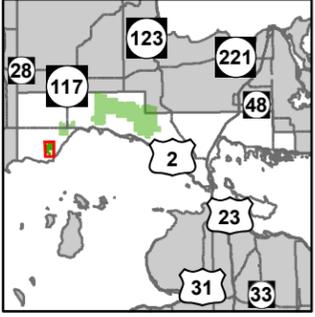
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

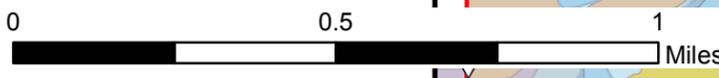
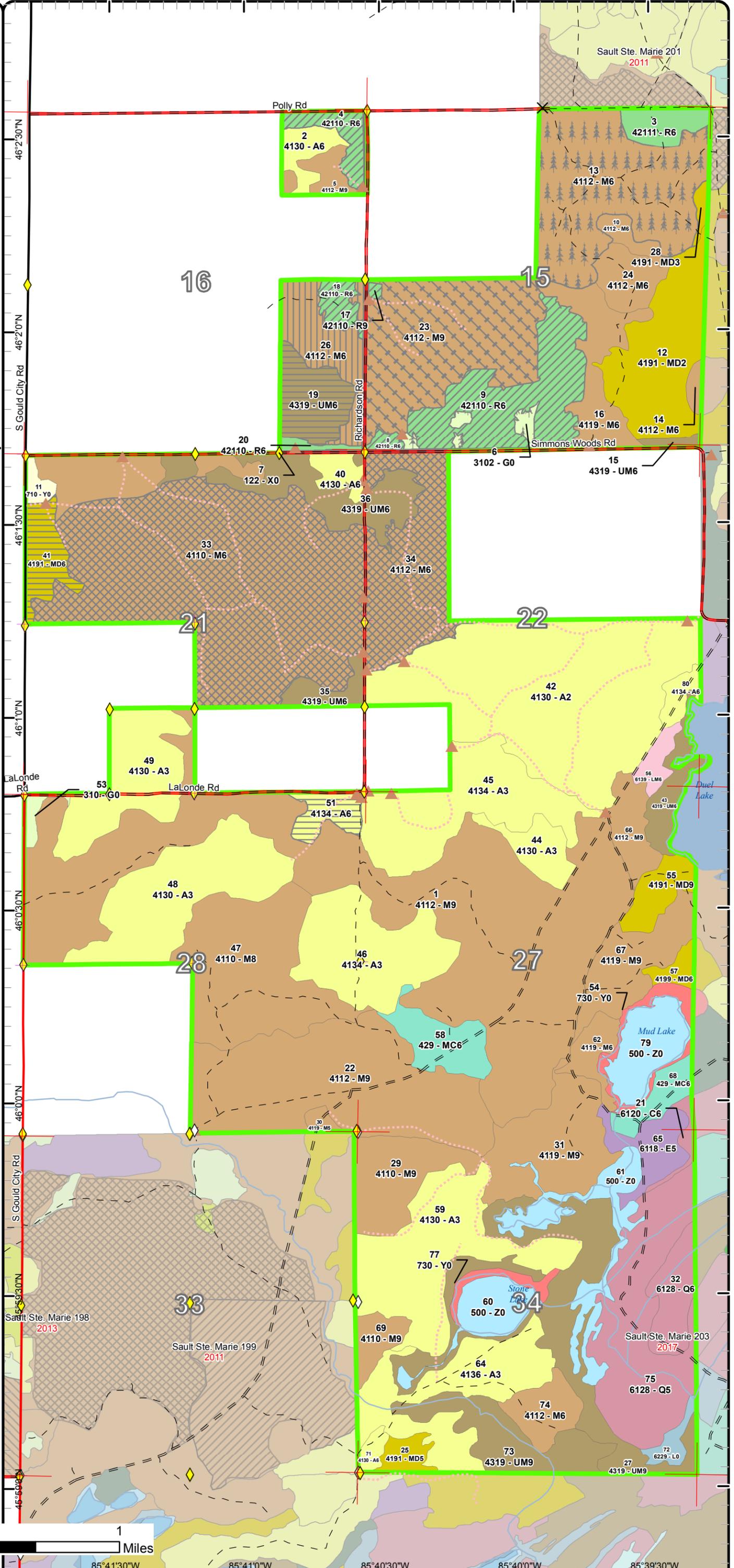
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 202
 T42N,R11W,
 Sec: 15, 16, 21, 22, 27, 28, 34
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Lake Michigan Shoreline
 YOE: 2017
 Acres: 3217 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 8/10/2015
 Map Phase: Review



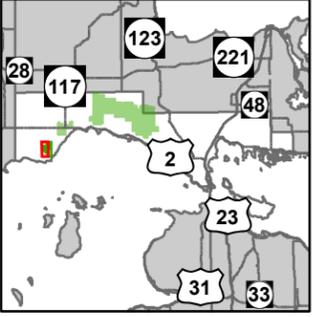
- ✚ Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- ✕ Gate
- ▲ Berms
- Rivers
- Lakes
- Treatments**
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Planting (tree species)
- ✕ Salvage
- ▨ Thinning (Crown, Low, Systematic)
- ▨ Shelter Wood (w/Reserves)
- Forest Covertype**
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Covertype**
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- 730 - Mud Flats



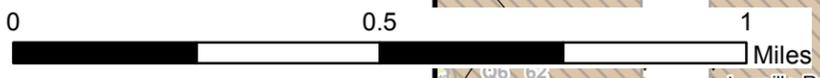
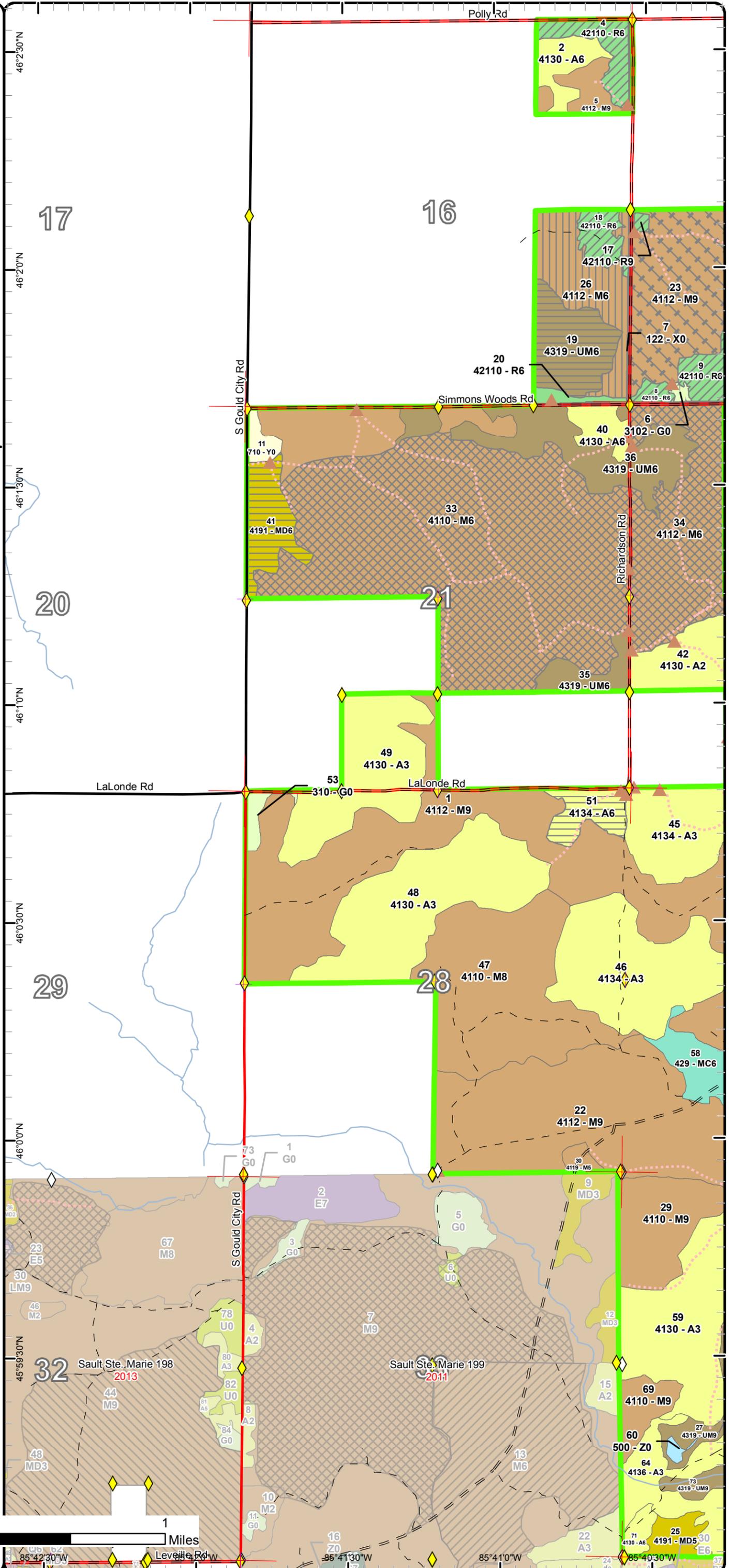
85°41'30"W 85°41'0"W 85°40'30"W 85°40'0"W 85°39'30"W

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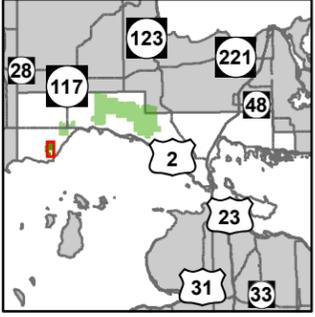


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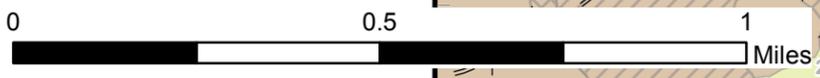
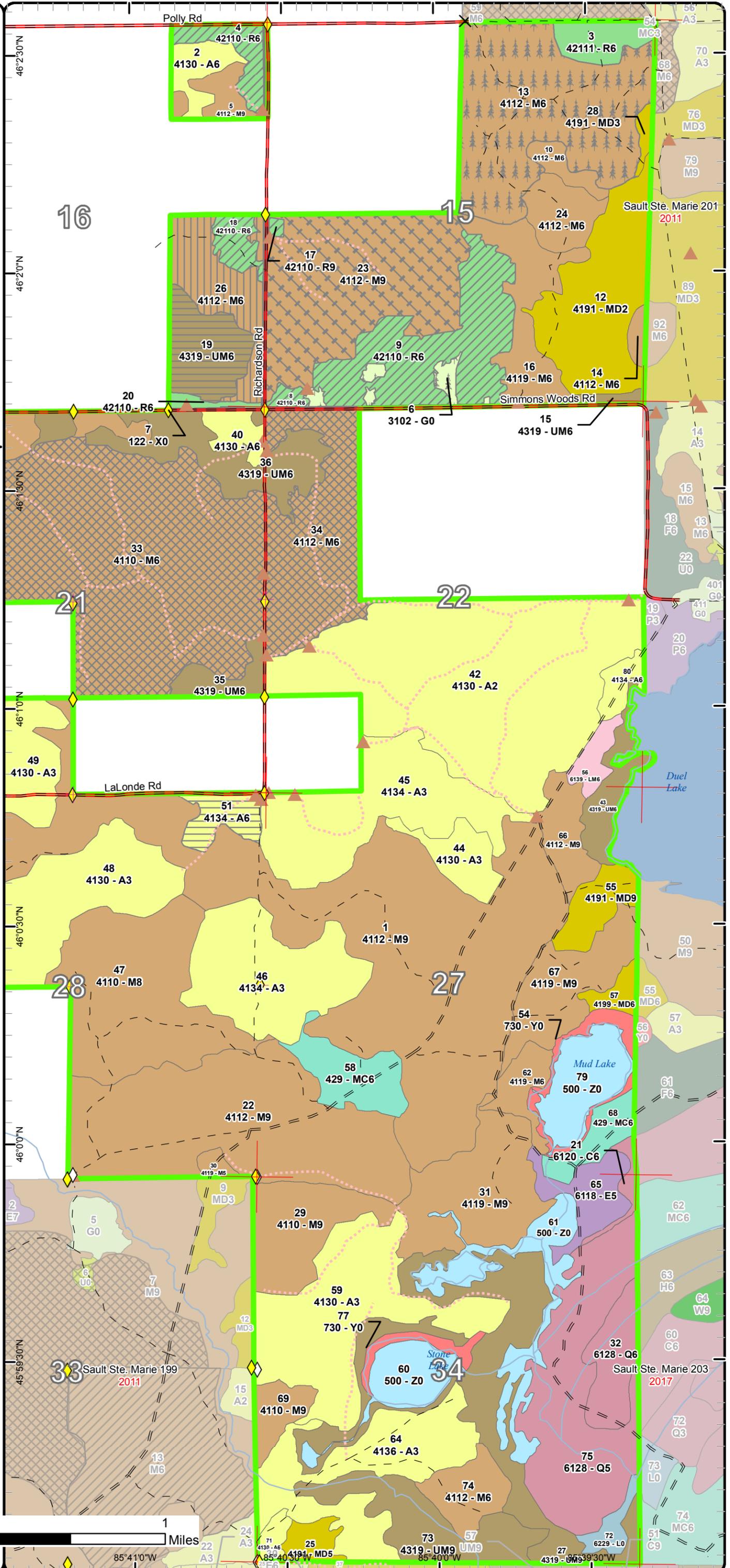


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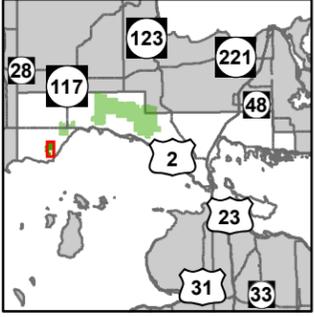
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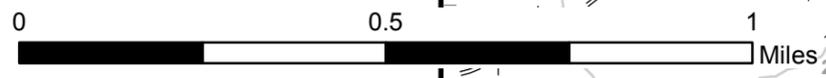
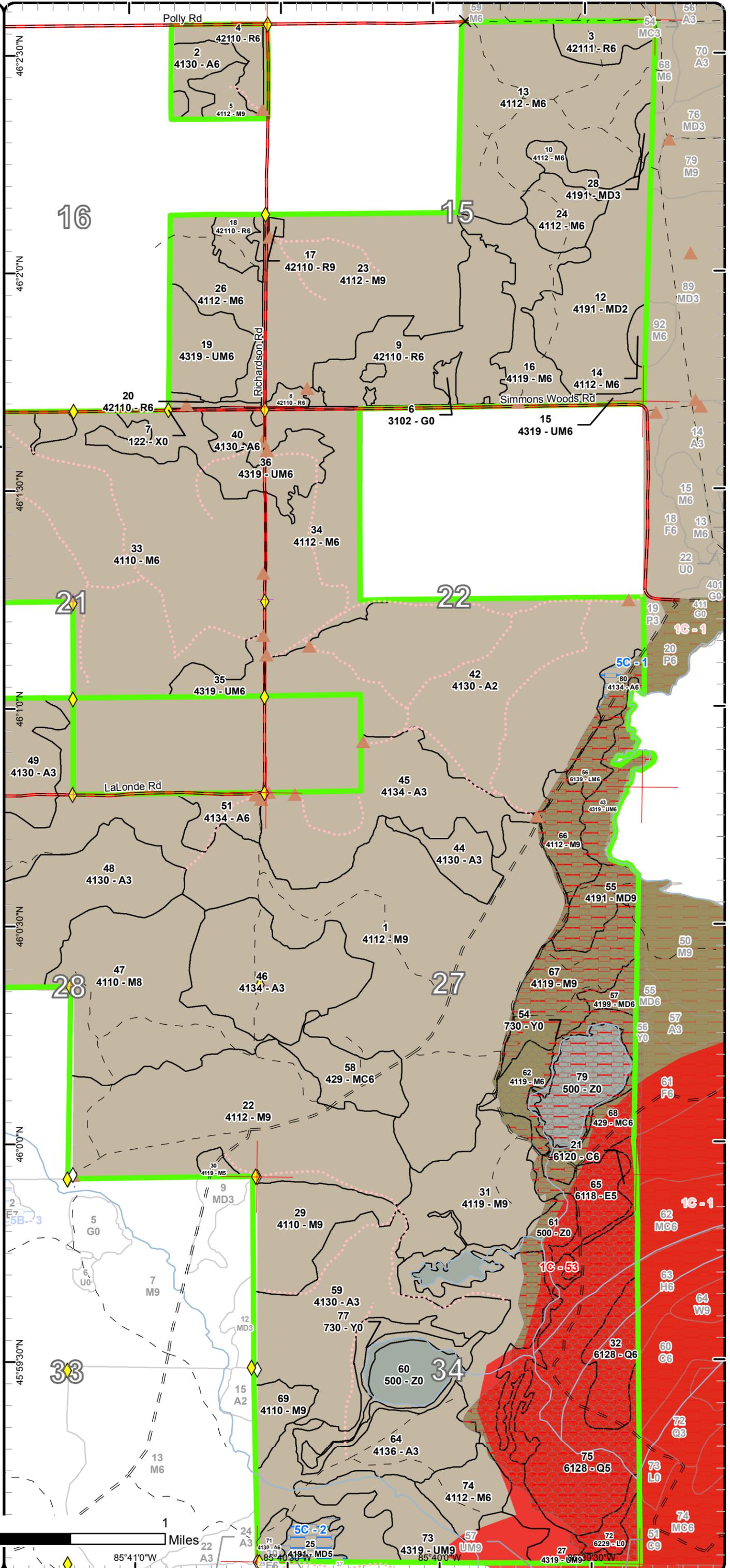
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Special Conservation Areas & Site Conditions Map

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- ▲ Berms
- Rivers
- ▭ Stand Boundaries
- Recommendation
- ▨ SCA Removal
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 1C: Other dept or div proc/practices
- Special Conservation Areas
- Ecological Reference Areas
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- Potential Old Growth



Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit

Compartment 202 Year of Entry 2017

Jennifer Burnham : Examiner



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	331	0	388	10	5	0	15	0	8	0	0	0	0	0	0	0	0	757
Cedar	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Conifers	0	0	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0	0	124
Lowland Deciduous	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	0	0	73	4	0	0	22	0	35	0	0	0	0	0	0	0	0	134
Northern Hardwood	0	0	0	0	0	4	0	0	36	968	14	0	0	0	0	0	0	588	1610
Red Pine	0	0	0	0	0	99	19	1	0	0	0	0	0	0	0	0	0	0	119
Sand, Soil	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Conifers	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	42
Upland Mixed Forest	0	0	0	0	0	50	13	0	34	0	151	0	0	0	0	0	0	0	248
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Total	146	331	0	461	14	158	74	38	70	1162	174	0	0	0	0	0	0	588	3216



Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 202
Total Compartment Acres: 3,217

Commercial Harvest - 689
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
Aspen	15	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	22	0	0	0	0	0	0	0	0	22
Northern Hardwood	0	368	0	0	36	0	0	117	0	521
Red Pine	0	0	0	0	0	100	0	0	0	100
Upland Mixed Forest	31	0	0	0	0	0	0	0	0	31
Total	67	368	0	0	36	100	0	117	0	689

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	689	0	129	0	0	0	0	0	0	818
Next Step	0	0	82	0	0	0	601	0	0	682
Total	689	0	211	0	0	0	601	0	0	1501



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
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4	45202004-Cut	14.2	42110 - Planted Red Pine	Poletimber Well	41	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Remove every third row
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

6	45202006-Plant	7.1	3102 - Grass	Nonstocked		Unspecified	Planting	Underplant	211 - Cropland		Proposal
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Habitat Cut: Yes **Site Condition:**

Prescription Oak to be planted with in the opens around the red pine plantation.
Specs:

Next Step
Treatments:

Acceptable Adding oak to the stand - still maintain as grass
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 11/7 /2015

8	45202008-Cut	3.2	42110 - Planted Red Pine	Poletimber Well	54	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Remove 20-40 BA to open crowns up for growth.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other It may be easier to mark individual trees than a third row due to a "thinning" that occurred earlier. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

9	45202009-Cut	71.9	42110 - Planted Red Pine	Poletimber Well	42	141-170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Third row thin.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

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
13	45202013-Plant	122.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	81-110	Planting	Underplant	411 - Northern Hardwood	Uneven-Aged	Proposal

Habitat Cut: Yes**Site Condition:**

Prescription Plant oak within the canopy gaps created from recent harvesting.

Specs:

Next Step

Treatments:

Acceptable Regeneration will be hardwood, this is not a MO change, but a WLD add in.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 11/7 /2015

17	45202017-Cut	1.2	42110 - Planted Red Pine	Sawtimber Well	62	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark trees to allow for more growth.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Will probably be last thinning before final harvest and replant. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

18	45202018-Cut	9.8	42110 - Planted Red Pine	Poletimber Well	41	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Third row thin.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

19	45202019-Cut	30.6	4319 - Mixed Upland Forest	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest leaving cedar.

Specs:

Next Step

Treatments:

Acceptable Spp. that are currently present.

Regen:

Other Area is very rocky and has some "wet" areas. Old next step comments:

Comment:

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
23	45202023-Cut	117.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	85	81-110	Harvest	Salvage	411 - Northern Hardwood	Uneven-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Remove diseased ash and beech, and other trees with defects or those to produce gaps for regeneration. Leave at least 2 mature ash and beech per acre where present, preferring healthier trees. Do not cut cedar or hemlock.

Next Step
Treatments:

Acceptable Spp that is currently present.
Regen:

Other Harvest in the winter or in dry conditions to protect the "wet" areas. Consider planting hemlock and/or oak. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

26	45202026-Cut	36.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	70	51-80	Harvest	Shelterwood with Retention	4116 - Mixed N. Hardwood - Aspen	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Do not cut cedar. There are a couple patches of better quality hardwood that could just use a "thinning".
Specs:

Next Step
Treatments:

Acceptable Spp that are currently present.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

33	45202033-Cut	286.2	4110 - Sugar Maple Association	Poletimber Well	85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Treat stand to remove diseased trees before they die. Removing beech and ash; aspen and other poor quality trees. Look for areas to open up the canopy to allow for regeneration and diversity. Leave at least 3 beech and/or ash per acre where present.
Specs:

Next Step
Treatments:

Acceptable Spp that are currently present.
Regen:

Other Area of stand not part of the sale because of smaller diameter trees and less BA of ash and beech. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

34	45202034-Cut	81.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Remove beech and ash, along with other poor quality trees. Leave at least 3 beech and/or ash per acre where present. Consider planting oak and/or hemlock.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); Planting, Underplant
Treatments:

Acceptable Spp that are currently present.
Regen:

Other Do not cut cedar or white pine. Old next step comments:
Comment:

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
41	45202041-Cut	22.0	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	60	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove all spp except cedar, white pine and hemlock.

Specs:

Next Step

Treatments:

Acceptable Spp that are currently present

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

51	45202051-Cut	14.8	4134 - Aspen, Spruce/Fir	Poletimber Well	62	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Do not cut cedar or yellow birch, less than 5% of the stand. Retention will be the advanced regeneration that is already present.

Specs:

Next Step

Treatments:

Acceptable Spp that are currently present.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
Acreage Proposed: 818.2**

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 202
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	1C
		With Condition	Not Available			
758	747	3	8	Aspen	3	8
5	0	0	5	Cedar		5
12	12	0	0	Herbaceous Openland		
124	1	0	123	Lowland Conifers		123
22	1	0	21	Lowland Deciduous		21
9	0	0	9	Lowland Mixed Forest		9
7	0	0	7	Lowland Shrub		7
134	99	10	25	Mixed Upland Deciduous	10	25
1610	1545	0	65	Northern Hardwood		65
119	119	0	0	Red Pine		
24	13	0	12	Sand, Soil		12
42	27	0	15	Upland Conifers		15
248	200	0	48	Upland Mixed Forest		48
10	10	0	0	Urban		
93	37	0	56	Water		56
3,217	2,809	13	396	Total Forested Acres	13	396
	87%	0%	12%	Relative Percent		

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat with stands 14 and 15 next rotation.							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Left out of last sale. Treat areas outside large wet pockets next rotation.							

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 202
Year of Entry: 2017

53	Unavailable	1C: Other dept or div proc/practices	396	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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	416
Comments				
Does not meet POG criteria				



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
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	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	368.5	85	81-110	Stand was thinned in '94 and then a beech salvage this past year. The regeneration from the '94 cut looks good. There is a good amount of ash, beech and maple. BA range is 60-100 (not an option above) due to the salvage work and areas where beech was more prevalent.
2	4130 - Aspen	Poletimber Well	13.2	25	1-50	Ash looks okay, some are either dead or still have not leafed out. Area is wet and holds water for long periods of time.
3	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	15.6	54	81-110	2-4 sticks in height. Trace amounts of white spruce and aspen 8-10 dbh.
4	42110 - Planted Red Pine	Poletimber Well	14.2	41	171-200	Fair quality, 4-5 sticks in height. Some open areas where there is juneberry and ash coming in. SI= 60
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.4	85	51-80	West PVT line is in with pink ribbon and harvesting is taking place. Fair quality, lots of defect. Clumps of cedar around the edges. Small 2 ac chuck on the west side was not thinned when the main part of the stand was done.
8	42110 - Planted Red Pine	Poletimber Well	3.2	54	141-170	Small stand but planted earlier than stand 9 - keep separate. Thinned just before '97 but not as rows.
9	42110 - Planted Red Pine	Poletimber Well	71.9	42	141-170	Edges have more diversity. Near the grass openings the trees are shorter with more branches.
10	4112 - Maple, Beech, Cherry Association	Poletimber Well	8.2	85	81-110	Recently harvested under 451031031 timber sale. Some areas less BA than others because of the salvage of beech.
12	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	73.1	24	1-50	Stand follows the rock well. Trees are of fair/poor quality because of this. Good diversity. Still open or grass areas visible.
13	4112 - Maple, Beech, Cherry Association	Poletimber Well	122.4	85	81-110	Recently harvested under 451031031 timber sale. Some areas less BA than others because of the salvage of beech.
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.2	85	81-110	Treat with stand 92 in Compt 201 if possible. Notes indicate some kind of treatment before '96.
15	4319 - Mixed Upland Forest	Poletimber Well	3.4	70	51-80	There is understory of beech, fir and iron wood but too shaded and doesn't meet conditions to go into sub-canopy. Rocky ground and limby. Treat with stand 18 in compartment 203 and the corner chunk of stand 89.
16	4119 - Mixed Northern Hardwoods	Poletimber Well	39.8	70	81-110	Fair to poor quality, rocky ground. More conifer to the north and areas of seasonal wet ground. If treatment occurs it should be done in that area in winter or dry conditions.
17	42110 - Planted Red Pine	Sawtimber Well	1.2	62	111-140	Thinned in '87 and '92. 5-6 sticks tall. Crowns touching. Small stand but with past treatments would like to keep separated.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	42110 - Planted Red Pine	Poletimber Well	9.8	41	171-200	Red pine is 4-5 sticks in height closed canopy in most places. Ash and juneberries under the canopy. Open areas have small white spruce and grass in them.
19	4319 - Mixed Upland Forest	Poletimber Well	30.6	70	51-80	Poor to fair quality, Aspen falling out. Thinned some time in the early '90's.
20	42110 - Planted Red Pine	Poletimber Well	3.5	41	81-110	3-4 sticks tall. Kind of open grown, some areas better than others.
21	6120 - Lowland Cedar	Poletimber Well	5.2	85	51-80	Carry over of stand 60 from compartment 203.
22	4112 - Maple, Beech, Cherry Association	Sawtimber Well	156.2	90	81-110	Thinned in '94 and recently salvaged the beech. BA on the low end 70-90. Striped maple in the understory.
23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	117.3	85	81-110	Ash is dying or very stressed. Fair quality.
24	4112 - Maple, Beech, Cherry Association	Poletimber Well	19.5	85	51-80	Part of old stand 13 that was not recently treated. Thinned heavily in the 80's? Good regeneration established. BA is on the low end of 50.
25	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	9.6	85	51-80	Couple ponds in the stand. Poor quality, rocky ground.
26	4112 - Maple, Beech, Cherry Association	Poletimber Well	36.0	70	51-80	BA is patchy, some areas are up to 110 but as low as 30. Not sure if aspen areas were picked through at one point. Ash is either slow at leafing out or dead. Beech has scale. A salvage harvest may be good for this stand. Grass stand 405 (last entry) is now a part of this one unless WLD would like to maintain it.
27	4319 - Mixed Upland Forest	Sawtimber Well	88.0	95	81-110	Stand follows creek bottom or topography. It's a good buffer around the lake and some rugged ground. There is a small area of hardwood in the NE corner, eventually it could be thinned.
28	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	3.6	35	1-50	M4/F2
29	4110 - Sugar Maple Association	Sawtimber Well	42.2	90	81-110	Very rocky ground. Consider harvesting next YOE. Ash still healthy, beech is on it's way out or gone.
30	4119 - Mixed Northern Hardwoods	Poletimber Medium	3.7	45	1-50	Old grass opening filing in,
31	4119 - Mixed Northern Hardwoods	Sawtimber Well	62.8	90	81-110	Very rocky. Striped maple in the understory. Thin in 15-20 years.
32	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	24.5	85	51-80	Stand is a carry over from stand 63, cmpt 203. Ridges and lows, healthy trees are on the ridges.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4110 - Sugar Maple Association	Poletimber Well	323.5	85	81-110	There is also ironwood, yellow birch, mt. ash and aspen in the stand. Stand was hygraded in the early 90's. Where the canopy is open there is good regeneration present. Rolling terrain and rocky in some places. There are pockets of cedar in the "low" ground areas. Quality is fair to poor and should be treated in the winter or during dry conditions.
34	4112 - Maple, Beech, Cherry Association	Poletimber Well	81.7	85	81-110	Good quality, beech salvage. Canopy needs to be opened up to get regeneration into the understory. There is more conifer (sm) in the understory and less ash than that of stand 33.
35	4319 - Mixed Upland Forest	Poletimber Well	12.9	54	51-80	Some cedar and yellow birch in the area, do not cut with the harvest. Cut in the summer to get some scarification for yellow birch. Aspen is over mature and falling out of the stand. There is a small red pine plantation on the North of the stand.
36	4319 - Mixed Upland Forest	Poletimber Well	49.8	41	51-80	Failed red pine plantation. The area was picked through in the past. The stand has some patches of good wood. Red pine is 3-4 sticks high of fair quality. Treat with stand 40 when that is ready or do something now to improve it.
40	4130 - Aspen	Poletimber Well	10.1	33	1-50	Stand has good diversity in it. The further south the larger the dbh. There are scattered large maple and aspen that were left when treated.
41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	22.0	60	51-80	Poor quality, hardwoods are in small pockets. BA is 80 to 100. Do not cut the trace amounts of hemlock, wpine or cedar.
42	4130 - Aspen	Sapling Medium	215.4	29	1-50	All roads were bermed getting into the stand. Went in a bit from the edges where other roads and stands were near it. Spp appear healthy.
43	4319 - Mixed Upland Forest	Poletimber Well	19.8	90	51-80	Some areas of open slowly filling in, lower ground present and has more of the understory spp present. Poor quality wood but a good lake buffer. Canopy on the low end of percentage.
44	4130 - Aspen	Sapling Well	18.2	5	1-50	The fir, maple and spruce are mainly the retention from the harvest.
45	4134 - Aspen, Spruce/Fir	Sapling Well	85.8	29	1-50	Cut at the same time as stand 42; doing a bit better because of slight elevation change and maybe not so much rock and water.
46	4134 - Aspen, Spruce/Fir	Sapling Well	73.7	28	1-50	Coming into merchantable size.
47	4110 - Sugar Maple Association	Sawtimber Medium	103.1	85	51-80	Recently thinned to remove beech, regeneration is very short.
48	4130 - Aspen	Sapling Well	86.1	2	1-50	Good mix of spp. regeneration is about 10' tall. Looks good.
49	4130 - Aspen	Sapling Well	59.0	2	1-50	Nice regeneration about 10' tall. Good mix of spp in the cut.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	4134 - Aspen, Spruce/Fir	Poletimber Well	14.8	62	51-80	Final harvest, no cutting of cedar or yellow birch. Aspen is starting to fall out of the stand.
55	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	18.1	85	51-80	Could salvage but low BA. Similar to stand 67 only with more conifer. Red pine planted. Gravel Pit and camping site in the stand.
56	6139 - Mixed Lowland Forest	Poletimber Well	9.0	95	51-80	Aspen, birch, fir and maple falling out of the stand.
57	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.2	85	51-80	Stand starting to fall apart.
58	429 - Mixed Upland Conifers	Poletimber Well	26.6	50	51-80	Failed plantation? Not sure on the age. Pine is of poor quality other spp should be removed except for the occasional cedar. Leave red pine along the road?
59	4130 - Aspen	Sapling Well	96.6	7	1-50	Recent cutting. Probably other spp present.
62	4119 - Mixed Northern Hardwoods	Poletimber Well	14.2	90	81-110	Rocky ground. Would be good to salvage the beech and ash in the stand. A final harvest would help to regenerate the spp in the stand. Winter harvest due to low areas.
64	4136 - Aspen, Mixed Conifer	Sapling Well	71.2	9	1-50	Harvested in '08, looks good.
65	6118 - Lowland Deciduous with Cedar	Poletimber Medium	21.8	85	51-80	High and lows filled with water, poor quality. There is a little bit of stand 60 from Cmpt 201 on the east side of the stand.
66	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.9	85	81-110	Heavy cut the last time- good regeneration. Two-aged?
67	4119 - Mixed Northern Hardwoods	Sawtimber Well	41.6	85	81-110	3-5 stick trees and rocky ground making for a low SI. Would be good to salvage the beech and ash in the stand.
68	429 - Mixed Upland Conifers	Poletimber Well	15.1	50	51-80	Pine is older than other spp. There is an undersized culvert for the creek out of Mud lake.
69	4110 - Sugar Maple Association	Sawtimber Well	13.3	95	51-80	Recently thinned with adjacent stands- average BA 70. Regeneration starting to come in. There are trace amounts of other spp in the over story.
71	4130 - Aspen	Poletimber Well	5.1	45	1-50	Treat next rotation
73	4319 - Mixed Upland Forest	Sawtimber Well	43.6	95	51-80	
74	4112 - Maple, Beech, Cherry Association	Poletimber Well	20.9	95	51-80	Harvested with recent sale.

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Sault Ste. Marie Mgt. Unit

Report 8 – Forested Stands

Compartment: 202
Year of Entry: 2017



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
75	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	99.0	85	51-80	Slightly higher than stand 65 so the trees are a bit larger in dbh. Still poor quality. The bigger trees are on the "ridges" and the cedar are on the lower ground. There are some pockets of hemlock that are near the east edge of the connecting compartment. There are also areas of low ground with no trees just brush.
80	4134 - Aspen, Spruce/Fir	Poletimber Well	8.4	85	81-110	Stand was part of old stand 79. This area has more aspen and is falling out because of age. Treat the part not associated with the SCA next rotation with stand 14 and 15.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	3102 - Grass	7.1	No	Grass opening within red pine plantation.
7	122 - Road/Parking Lot	10.1	No	Country Road ROW
11	710 - Sand, Soil	5.3	Yes	Gravel Pit.
53	310 - Herbaceous Openland	4.9	No	Grass area filling in with conifer and other spp
54	730 - Mud Flats	11.7	No	Edge of Mud Lake
60	500 - Water	23.6	No	Stone Lake
61	500 - Water	38.5	No	Ponds and marshes
72	6229 - Mixed lowland shrub	7.4	No	Stand is part of the low type in cmpt 203 stand 73
77	730 - Mud Flats	7.4	No	Edge around Stone Lake
79	500 - Water	31.1	No	Mud Lake