



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45113

Entry Year 2019

Acreage: 1,838

County Mackinac

Management Area: Mackinac Mix

Revision Date: 2017-08-03

Stand Examiner: Steve Touvila

Legal Description:

T43N-R6W Sections 16, 17 & 18; Moran Township

Identified Planning Goals:

Compartment 113 is located south of Trout Lake and north of Brevort. The majority of the compartment is lowland mixed conifer of black spruce, cedar and tamarack with a variety of other species. Two portions of the compartment are uplands with northern hardwoods and mixed aspen/birch stands. The northern hardwoods were select harvested 10 and 11 years ago. The aspen/birch stands were mostly treated within the past 15-30 years. In 2014 part of a black spruce stand was harvested to enhance age class diversity. This stand is scheduled for a regeneration check to monitor the stands natural regeneration. Two mixed swamp conifer stands that were cut in 2011 have now meet regeneration requirements and look good. Some of the cedar – mixed conifer stands are regenerating naturally from the mortality and blow down occurring within the stands. There is good heavy to medium stocking of cedar regeneration of up to 20 feet tall within some of the stands. Two black spruce stands and two mixed lowland deciduous stands are prescribed for harvest to promote age class diversity within the various lowland swamp conifer stands. In addition, an upland mixed stand and mixed upland deciduous with conifer is proposed for harvest to enhance age class diversity and encourage regeneration of large dying aspen. There is some deer activity within the compartment.

Soil and topography:

The majority of the compartment is lowlands of Markey and Carbondale mucks and Markey-Spot-Finch complex with islands of little higher islands of Pullup fine sand and Heinz sandy loam. There are two larger islands of high ground in the lowland area which are Paquin- Finch sands and Spot-Finch Complex. Small pond and bog areas and South Branch of Carp River are a mix of Entisols, and Histosols and Aquents ponded. The hardwood area on the northwestern side of compartment is dominated by Wallace sand. The upland mixed deciduous stands are Paquin-Finch sand, Paquin sand, Finch sand and grading into the lowlands with the Spot-Finch complex.

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

The compartment is entirely in state ownership except for two private forties within the compartment. The surrounding lands are entirely in state ownership except for one private forty on the northwest corner of the compartment. The private forties are hunting and weekend cabins with no permanent residences within or in the area surrounding the compartment.

Unique Natural Features:

There is a potential for rare, threatened or endangered plant and animal species and natural communities within this compartment. Moose tracks were found during the inventory process both in 2007 and 2017. Stands to be managed will be checked for species of concern. Management will be modified if species are found within those stands per management guidelines for that species.

Archeological, Historical, and Cultural Features:

None noted.

Special Management Designations or Considerations:

All management activities will follow all BMP guidelines around the wetland features. The south Branch of the Carp River normally has flow through this compartment. The Caffey Truck Trail is a snowmobile and ORV trail so specification restrictions will be placed on the timber harvesting activities.

Watershed and Fisheries Considerations:

This compartment contains part of the South Branch Carp River. A vegetative buffer of 200 feet should be retained adjacent to the river to discourage beaver activity. High numbers of beaver dams in the headwaters region of a stream can significantly elevate water temperatures, creating adverse conditions for trout species.

Wildlife Habitat Considerations:

Compartment 113 is part of the Mackinac Mix Management Area where featured wildlife species include black bear,

pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. It is dominated by lowland conifer habitat. Lowland stands will generally be retained to provide cover and food resources for bear, woodpeckers, snowshoe hare, and other species. Other stands include some aspen, northern hardwoods, and mixed stands. Aspen stands vary in age class, which benefits ruffed grouse and other species. A stream transects the compartment and stands near wetlands provide habitat for foraging, dispersal, breeding, and hibernacula for salamander, frog, toad, snake and turtle species. Terrestrial areas near streams, ponds, and ephemeral wetlands offer protection for reptile and amphibian populations. Some of these species are preyed upon by birds and mammals. Other stands provide diversity in the area, which benefits a wide range of wildlife from bear and deer to migratory birds.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area and potential appears to be limited. There may be limestone/dolostone potential, but geologic information for the area is lacking. There is no current economic oil and gas production in the UP and there is no known metallic mineral potential in this region.

Vehicle Access:

The main access road into the compartment is the Caffey Truck Trail which is a State maintained gravel road. The Caffey Road is a good gravel to poor dirt road which depends on the maintenance and traffic use on the road. The other poor dirt public road accesses the northern portion of Section 18 off of the Caffey Truck Trail. The western portion of the compartment is accessed from the Bennett Road which is a State maintained gravel to poor dirt road. This compartment has limited vehicle access.

Survey Needs:

The private 40 in Section 18 needs to be researched for corners on the west side. If none exist then a survey will be needed to run lines for proposed treatments of stands 63 and 65.

Recreational Facilities and Opportunities:

The Caffey Truck Trail is a groomed snowmobile trail in the winter and an ORV trail in the spring through fall. The area is used for hunting, trapping, fishing in the South Branch of the Carp River, vehicle recreation and sightseeing.

Fire Protection:

This compartment is normally wet with a lower potential for fire activity. The muck soils would make for difficult mop up if there were a fire start in the lowland portion of this compartment. The vehicle access is limited therefore slowing any response time.

Additional Compartment Information:

None.

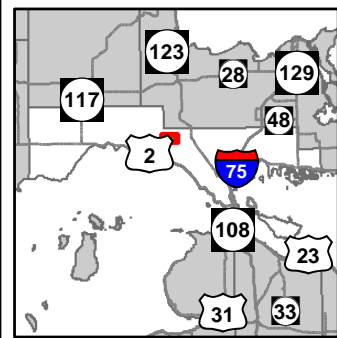
The following reports from the Inventory are attached:

- 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:

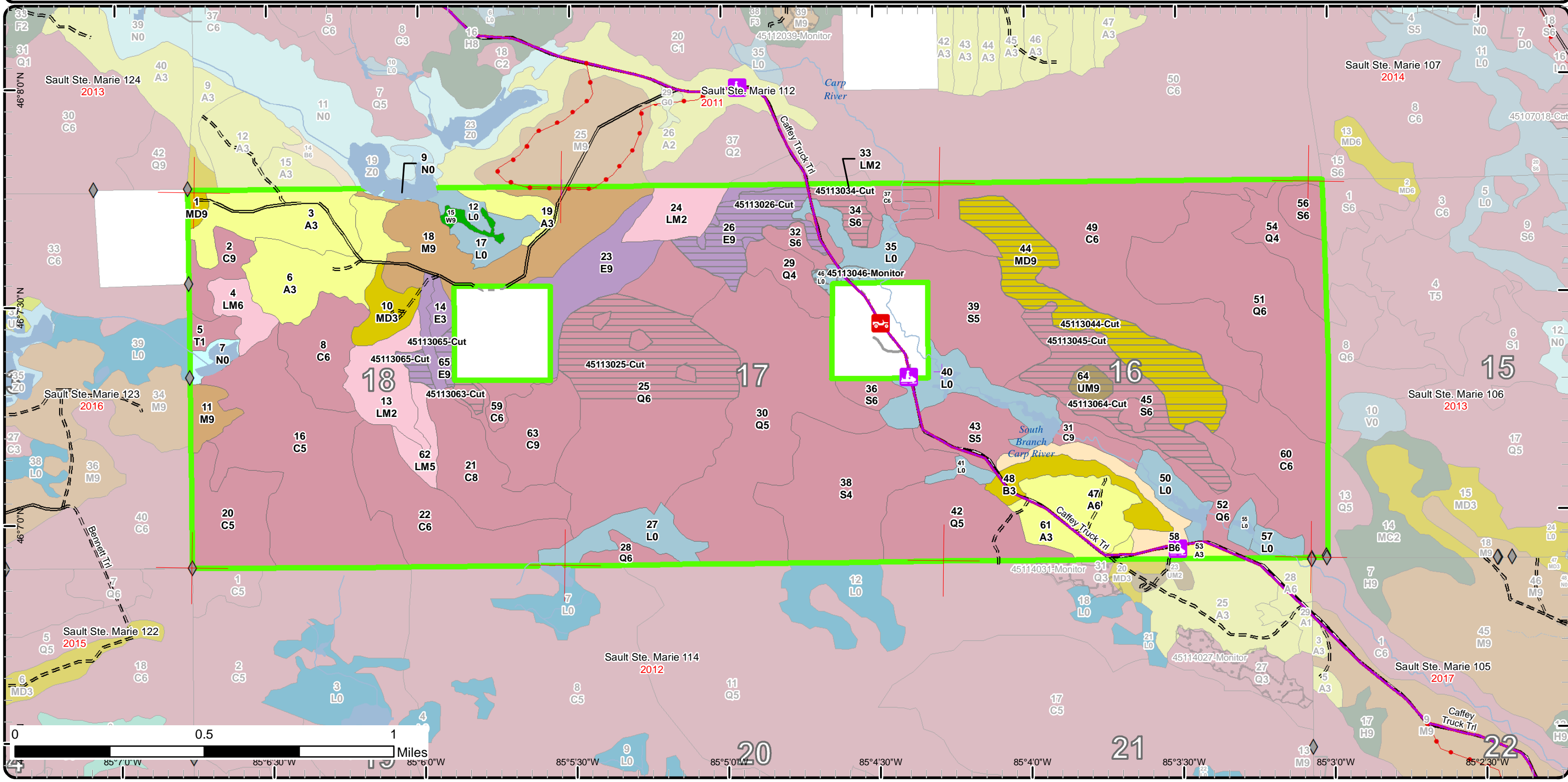
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



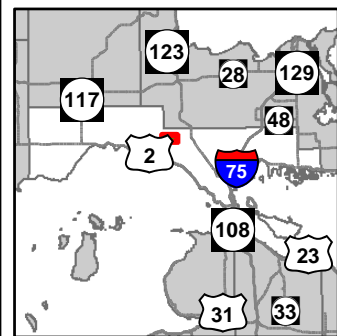
Compartment: 113
 T43N, R06W, Sec: 15-18
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2019
 Acres: 1,838 GIS Calculated
 Examiner: Steve Touvila
 Map Revised: 7/30/2018
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Private - Paved Road
- - Private - Dirt / Gravel Road
- ORV Routes
- Snowmobile Trails
- ORV License & Trail Permit
- = Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

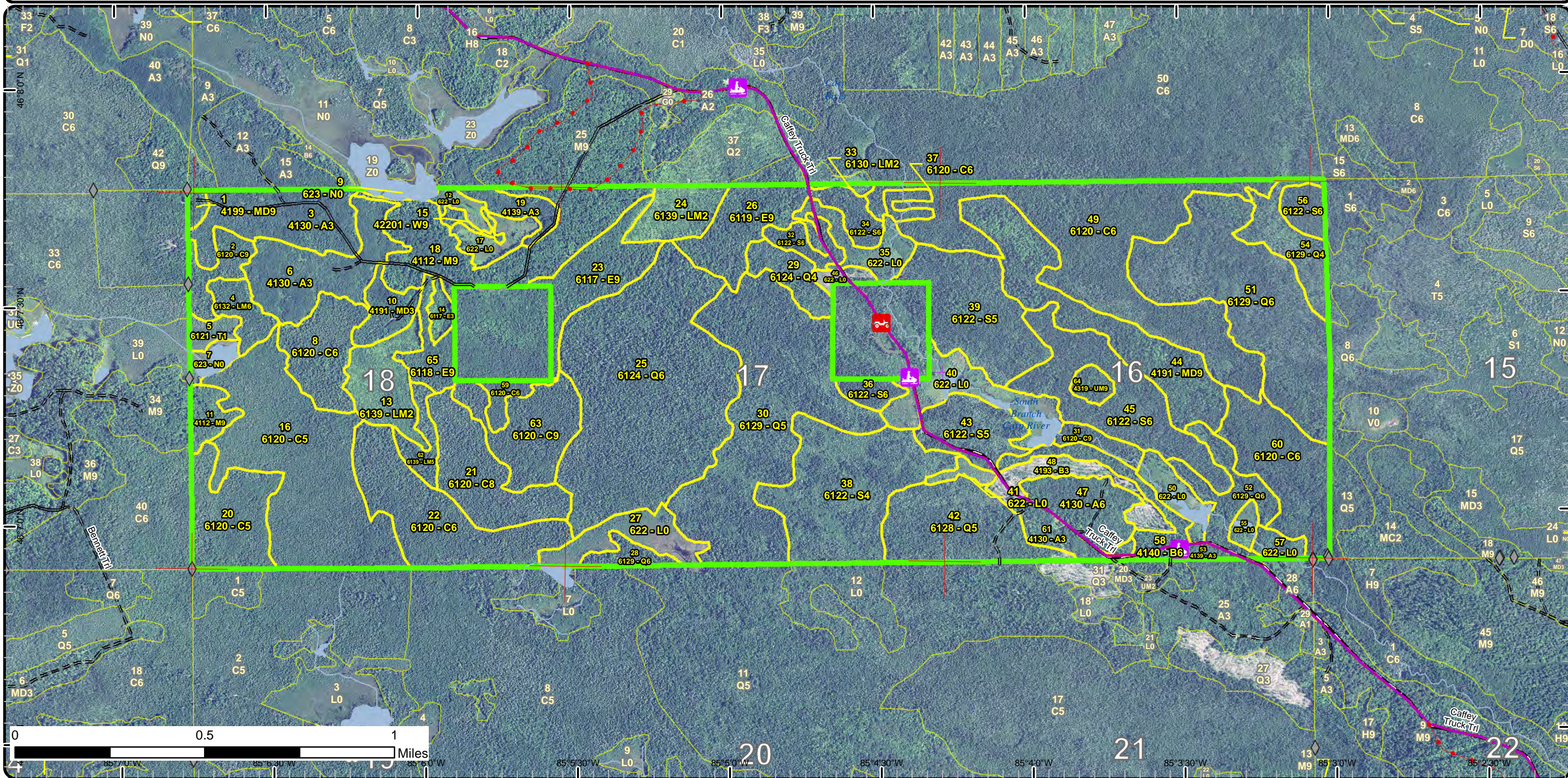


Stand Boundary Map

Compartment: 113
 T43N, R06W, Sec: 15-18
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2019
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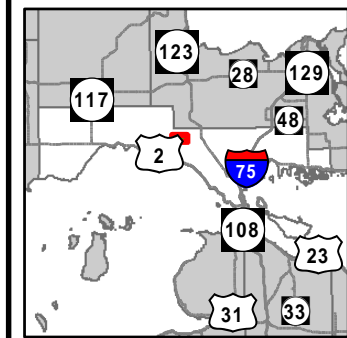


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
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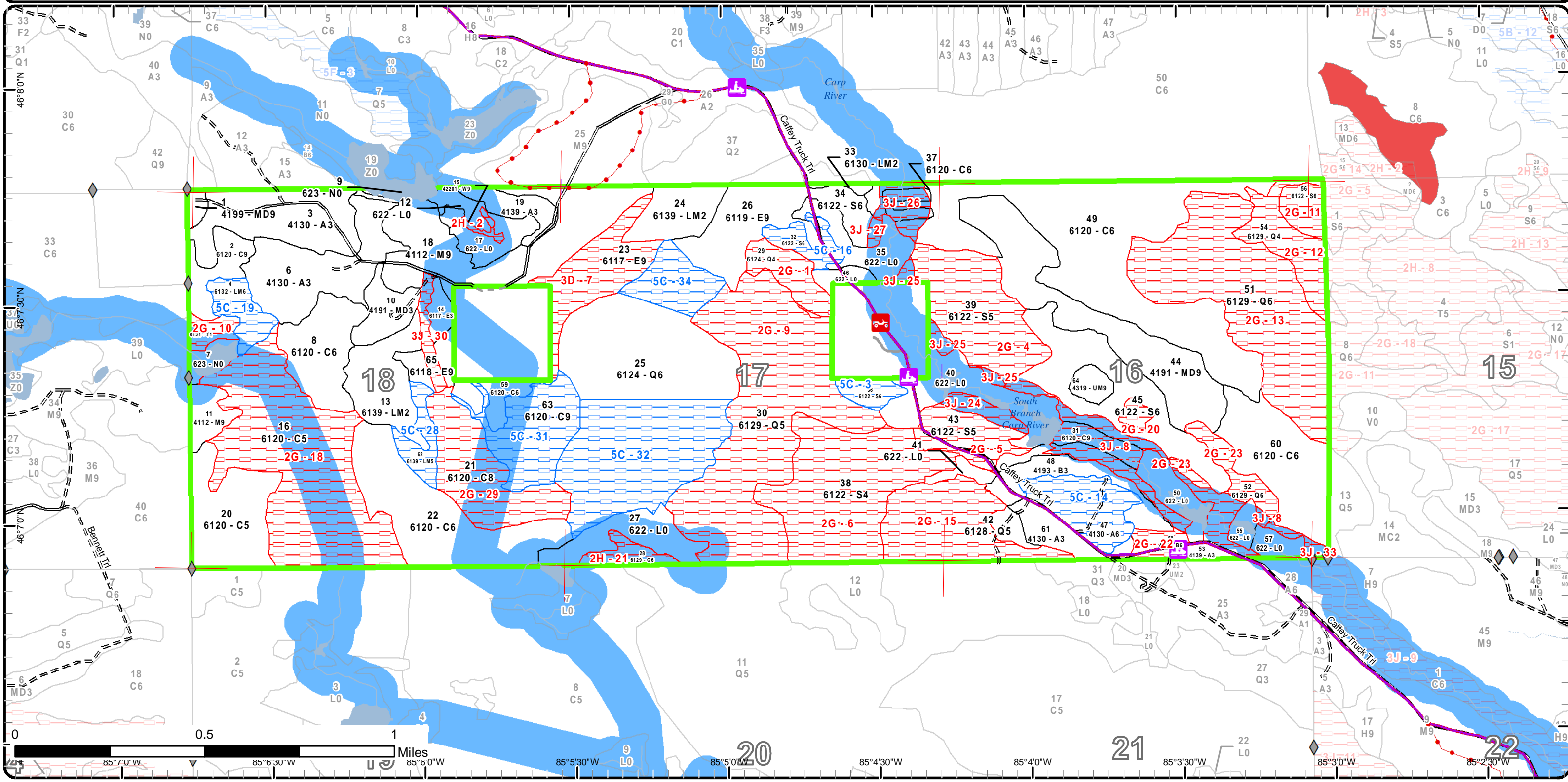


Special Conservation Areas & Site Conditions Map

Compartment: 113
 T43N, R06W, Sec: 15-18
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2019
 Acres: 1,838 GIS Calculated
 Examiner: Steve Touvila
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- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	42	40	26	0	25	0	0	0	0	0	0	0	0	0	0	0	133
Cedar	0	0	0	0	0	5	0	112	0	0	0	0	46	66	185	0	36	58	507
Lowland Conifers	0	0	0	0	0	0	14	0	0	70	278	8	0	0	0	0	0	125	495
Lowland Deciduous	0	0	5	0	0	0	0	0	0	31	0	0	30	0	0	0	13	0	79
Lowland Mixed Forest	0	0	46	0	0	0	0	0	0	0	10	0	12	0	0	0	0	0	68
Lowland Shrub	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	7	160	0	0	0	0	0	0	74	240
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	0	0	0	13	0	0	0	0	61	0	3	0	0	0	0	0	0	0	77
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	61	0	0	70
Paper Birch	0	17	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	35
Tamarack	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Total	122	17	93	53	26	5	45	112	66	108	469	8	97	69	185	61	49	257	1840



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 113
Total Compartment Acres: 1,838

Commercial Harvest - 219
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
Cedar	3	0	0	0	0	0	0	0	0	3
Lowland Conifers	63	0	0	0	0	0	0	0	0	63
Lowland Deciduous	35	0	0	0	0	0	0	0	0	35
Lowland Spruce/Fir	53	0	0	0	0	0	0	0	0	53
Mixed Upland Deciduous	61	0	0	0	0	0	0	0	0	61
Upland Mixed Forest	5	0	0	0	0	0	0	0	0	5
Total	219	0	0	0	0	0	0	0	0	219

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	219	0	0	0	0	13	0	0	0	232
Next Step	0	0	0	0	0	219	0	0	0	219
Total	219	0	0	0	0	232	0	0	0	452

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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
25	45113025-Cut	62.9	6124 - Lowland Spruce-Fir	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut, but leave all cedar, white pine, and hemlock as retention. Also, leave one tree of other representative species approximately every 100 ft. Also, leave some scattered retention pockets approximately 1 acre in size. Actual treatment size and shape will reflect the on the ground conditions and may vary from initial treatment shape. Make sure to leave an intact uncut piece between the treatment and stand 26 treatment.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of Spruce, balsam fir, maple, tamarack, birch, aspen, pine, hemlock, or cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

26	45113026-Cut	27.8	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	89	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut white pine or cedar. Treatment acreage may be different than proposal based on ground conditions. Cut in winter and provide for snowmobile trail protection. Try to mark some budding trees as the red line.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balsam poplar, maple, yellow and paper birch, balsam fir, white spruce, black spruce, cedar, tamarack and white pine.

Regen:

Other As shown on proposed treatment line, try to leave some trees on western edge near stand 24. Proposed treatment line indicates locations with best opportunity to do so.

Proposed Start Date: 10/01/2018

34	45113034-Cut	8.5	6122 - Black Spruce	Poletimber Well	99	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" DBH or more and all coniferous to 4" DBH and more. Don't cut white pine and leave a healthy mature representative tree spaced every 75'. Treatment acreage may vary depending on conditions on the ground. Cut in winter and provide snowmobile trail protection.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce, tamarack, aspen, maple, yellow and paper birch, balsam fir, cedar, and white pine.

Regen:

Other Mostly good ground for black spruce stand, except northeast edge and part of west edge midway up the stand is wetter with not much volume.

Comment:

Proposed Start Date: 10/01/2018

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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
44 45113044-Cut	60.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	76	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut White Pine or Cedar. Access will be through road/trail in stand 47 and will need to freeze in road through stands 31 and 45. Will need a steel portable bridge to cross South Branch Carp River and about 180' of timber mats to get through the cedar near the river. There's less volume in north half of stand so could make the north half an optional unit given the long skid distance from that area.

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

Acceptable Aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce, cedar, tamarack and white pine.
Regen:

Other Will need to be a winter cut so provide for snowmobile trail protection. About 200' into stand 60 there is a 8' wide by 1.5' deep stream that runs parallel to the stand boundaries. When putting in line check that the buffer stays 150'.
Comment: Sale acreage may vary depending on ground conditions.

Proposed Start Date: 10/01/2018

45 45113045-Cut	44.0	6122 - Black Spruce Poletimber	Well	93	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut White Pine. Need to buffer South Branch Carp River. Winter cut so provide for snowmobile trail protection. As with stand 44 will need bridge and about 180' of timber mats as bridge approaches in C9 stand 31 to access sale.

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

Acceptable Black spruce, white spruce, balsam fir, maple, yellow and paper birch, cedar, tamarack and white pine.
Regen:

Other Sale acreage may vary depending on ground conditions.
Comment:

Proposed Start Date: 10/01/2018

46 45113046-Monitor	4.4	622 - Lowland Shrub Nonstocked		Unspecified		Monitoring	Natural Regen (Re-Inventory)	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Natural regeneration survey per work instructions.
Specs:

Next Step
Treatments:

Acceptable balsam fir, black spruce, white spruce, cedar, red maple, aspen, balsam poplar, paper and yellow birch, and white pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

63 45113063-Cut	2.9	6120 - Lowland Cedar	Sawtimber Well	153	141-170	Harvest	Clearcut with Retention	6120 - Lowland Cedar	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

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

Acceptable Cedar, tamarack, black spruce, balsam fir, paper birch, yellow birch, and black ash.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

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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
64 45113064-Cut	5.4	4319 - Mixed Upland Forest	Sawtimber Well	76	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut White Pine or Cedar. Access will be through road/trail in stand 47 and will need to freeze in road through stands 31 and 45. Will need a steel portable bridge to cross South Branch Carp River and about 180' of timber mats to get through the cedar near the river. Winter cut so provide snowmobile trail protection.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, cherry, balsam fir, yellow and paper birch, beech, black spruce, tamarack, cedar and white pine.

Regen:

Other Will need to be a winter cut so provide for snowmobile trail protection. Sale acreage may vary depending on ground conditions.

Comment:

Proposed Start Date: 10/01/2018

65 45113065-Cut	7.3	6118 - Lowland Deciduous with Cedar	Sawtimber Well	153	111-140	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut YELLOW BIRCH and count these towards the 75' spacing retention. Leave a 50' buffer along edge of stream. Winter cut due to wetness on east side. Provide for snowmobile trail protection.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, cherry, yellow and paper birch, balsam fir, white spruce, black spruce, cedar, tamarack, white pine, aspen, and balsam poplar.

Regen:

Other Most of the yellow birch is on the east side of the stream and it's smaller (about 8") than on the west side.

Comment:

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed: 223.8

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Steve Touvila : Examiner

Compartment: 113

Year of Entry: 2019

Availability for Management

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

5C	2G	2H	3D	3J
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Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	5C	2G	2H	3D	3J
132	107	25	0	Aspen	25				
508	308	33	167	Cedar	33	146			20
494	72	90	332	Lowland Conifers	90	314	7		10
79	43	0	36	Lowland Deciduous				30	6
67	45	22	0	Lowland Mixed Forest	22				
113	113	0	0	Lowland Shrub					
240	53	16	171	Lowland Spruce/Fir	16	152			19
9	9	0	0	Marsh					
76	76	0	0	Mixed Upland Deciduous					0
70	70	0	0	Northern Hardwood					
35	18	0	18	Paper Birch		7			11
6	0	0	6	Tamarack		6			
5	5	0	0	Upland Mixed Forest					
3	2	0	2	White Pine			2		
1,838	922	185	731	Total Forested Acres	185	625	9	30	66
	50%	10%	40%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Steve Touvila : Examiner

Compartment: 113

Year of Entry: 2019

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	74	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3D: Recreational / Scenic values	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	33	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: 300' buffer for South Branch Carp River high priority trout stream.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Compartment: 113

Steve Touvila : Examiner

Year of Entry: 2019

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	125	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	99	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Steve Touvila : Examiner

Compartment: 113

Year of Entry: 2019

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	106	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 113

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20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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Compartment: 113

Year of Entry: 2019

31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	72	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
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.

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Sault Ste. Marie Mgt. Unit

Report 7 – Forested Stands

Compartment: 113
Year of Entry: 2019

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4199 - Other Mixed Upland Deciduous	Sawtimber Well	2.9	95	81-110	
6120 - Lowland Cedar	Sawtimber Well	13.4	130	141-170	
4130 - Aspen	Sapling Well	39.6	27	Immature	
6132 - Mixed Lowland Forest with Cedar	Poletimber Well	11.8	118	81-110	
6121 - Tamarack	Sapling Poor	5.8	56	1-50	
4130 - Aspen	Sapling Well	41.6	15	Immature	
6120 - Lowland Cedar	Poletimber Well	29.1	126	111-140	
4191 - Mixed Upland Deciduous with Conifer	Sapling Well	12.8	27	Immature	
4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.3	119	81-110	
6139 - Mixed Lowland Forest	Sapling Medium	25.9	12	Immature	
6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	4.9	12	Immature	
42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.2	125	81-110	
6120 - Lowland Cedar	Poletimber Medium	105.9	68	51-80	
4112 - Maple, Beech, Cherry Association	Sawtimber Well	60.9	145	81-110	
4139 - Aspen, Mixed Deciduous	Sapling Well	10.2	31	1-50	
6120 - Lowland Cedar	Poletimber Medium	36.5	129	81-110	
6120 - Lowland Cedar	Sawtimber Medium	40.3	131	51-80	
6120 - Lowland Cedar	Poletimber Well	57.9	123	51-80	

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Sault Ste. Marie Mgt. Unit

Report 7 – Forested Stands

Compartment: 113
Year of Entry: 2019

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	29.8	117	111-140	
24	6139 - Mixed Lowland Forest	Sapling Medium	18.1	12	Immature	
25	6124 - Lowland Spruce-Fir	Poletimber Well	157.0	96	81-110	
26	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	31.2	89	81-110	
28	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	7.5	103	Unspecified	
29	6124 - Lowland Spruce-Fir	Poletimber Poor	14.2	54	1-50	
30	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	124.8	64	Unspecified	
31	6120 - Lowland Cedar	Sawtimber Well	7.6	131	171-200	
32	6122 - Black Spruce	Poletimber Well	9.0	95	81-110	
33	6130 - Fir, Aspen, Maple	Sapling Medium	1.5	12	Immature	
34	6122 - Black Spruce	Poletimber Well	10.1	99	81-110	Mostly good ground for a black spruce stand. Wetter on northeast edge and a part of the west edge. Scattered black spruce blowdowns with a larger area of blowdown in the southern 1/3 of the stand.
36	6122 - Black Spruce	Poletimber Well	7.0	88	81-110	
37	6120 - Lowland Cedar	Poletimber Well	4.8	48	51-80	Strip cut stand. Cedar regen looks good at 10-20' tall and thick in areas.
38	6122 - Black Spruce	Poletimber Poor	74.0	89	1-50	
39	6122 - Black Spruce	Poletimber Medium	51.5	97	51-80	Variable stand
42	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	47.7	84	51-80	
43	6122 - Black Spruce	Poletimber Medium	25.0	97	51-80	

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Sault Ste. Marie Mgt. Unit

Report 7 – Forested Stands

Compartment: 113
Year of Entry: 2019

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	60.6	76	81-110	
6122 - Black Spruce	Poletimber Well	54.9	93	111-140	
4130 - Aspen	Poletimber Well	24.7	50	1-50	
4193 - Birch, Aspen	Sapling Well	17.2	4	Immature	
6120 - Lowland Cedar	Poletimber Well	124.2	131	171-200	
6129 - Mixed Coniferous Lowland Forest	Poletimber Well	98.5	97	51-80	
6129 - Mixed Coniferous Lowland Forest	Poletimber Well	22.3	80	51-80	
4139 - Aspen, Mixed Deciduous	Sapling Well	3.1	35	1-50	
6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	21.7	97	Unspecified	
6122 - Black Spruce	Poletimber Well	9.0	97	51-80	
4140 - Other Upland Deciduous	Poletimber Well	18.2	93	81-110	
6120 - Lowland Cedar	Poletimber Well	6.4	63	1-50	
6120 - Lowland Cedar	Poletimber Well	45.9	116	141-170	
4130 - Aspen	Sapling Well	12.6	34	Immature	
6139 - Mixed Lowland Forest	Poletimber Medium	10.0	99	51-80	
6120 - Lowland Cedar	Sawtimber Well	35.7	153	141-170	East side of stand would be potential area to cut in future entries.
4319 - Mixed Upland Forest	Sawtimber Well	5.4	76	81-110	
6118 - Lowland Deciduous with Cedar	Sawtimber Well	13.1	153	111-140	



Stand	Cover Type	Acres	Managed Site	General Comments:
7	623 - Emergent Wetland	6.1	No	
9	623 - Emergent Wetland	3.0	No	
12	622 - Lowland Shrub	5.3	No	
17	622 - Lowland Shrub	10.6	No	
27	622 - Lowland Shrub	20.7	No	
35	622 - Lowland Shrub	15.7	No	
40	622 - Lowland Shrub	30.2	No	
41	622 - Lowland Shrub	3.9	No	
46	622 - Lowland Shrub	4.4		
50	622 - Lowland Shrub	12.2	No	
55	622 - Lowland Shrub	4.3	No	
57	622 - Lowland Shrub	5.7	No	