



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45044

Entry Year 2021

Acreage: 3,176

County Chippewa

Management Area: Kinross Bog

Revision Date: 2019-08-02

Stand Examiner: Jeff Wise

Legal Description:

T45N R1W Sections: 4, 5, 6, 7, 8 and T45N R2W Section: 1; Dafter Township,
T45N R1W Sections: 18 and T45N R2W Sections: 12, 13, 24; Kinross Township

Identified Planning Goals:

Compartment 44 is part of the Kinross Bog Management Area. This compartment contains a considerable amount of low ground conifer types surrounded by marsh with a few young aspen stands mingled in. Previous management has included extensive aspen and black spruce harvests. This YOE will focus on previously inaccessible black spruce islands with the use of crane mats during the winter.

Soil and topography:

The compartment is mostly sand, Croswell and Saugatuck being two of the more common ones. Topography is mostly flat with lower wet areas of lowland brush, black spruce and lowland jack pine mixed with some higher pine ridges and grading into some higher aspen flats.

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

State land is fairly well blocked in, and bounded by private to the north, state to the west, and a mix of private and state land to the southeast. The surrounding area is mostly farming to the north and a mix of light commercial and residential to the southeast. There is illegal ORV use throughout the compartment and other state land use appears to be mainly hunting.

Unique Natural Features:

According to the Michigan Natural Features Inventory, the only known occurrence is sharptail grouse within the SE corner of the compartment. The majority of the occurrence is within compartment 40.

Archeological, Historical, and Cultural Features:

Nothing known at this time.

Special Management Designations or Considerations:

Supplemental feeding of deer is prevalent from private owners along Kinross Rd. in the southwest corner of the compartment. This feeding draws a lot of deer into the compartment in the winter creating an artificial deer yard.

Watershed and Fisheries Considerations:

Hutton Creek is present in this compartment and is a designated trout stream. Brook trout reside in this stream as well as in the tributaries. There appears to be a buffer in stand 87 where an aspen clear-cut is proposed. Maintaining a 300 ft buffer should be considered to discourage an additional beaver activity in this subwatershed.

Wildlife Habitat Considerations:

This compartment is in the Kinross Bog MA and featured wildlife species include American bittern, black bear, beaver, and snowshoe hare. Sandy ridges and low swales are common particularly in the southern part of the compartment. Forests are dominated by spruce, fir, pines, and aspen in most locations. Low areas range from black spruce and lowland jack pine to open boggy and marshy areas. A number of young aspen stands exist as a result of past management, and provide habitat for ruffed grouse, American woodcock, black bear, and snowshoe hare. Areas of lowland conifer offer habitat for snowshoe hare, black bear, bobcat, and migratory birds as well as other species. The southwest part of the compartment is part of obligate deer wintering complex. The area north of this compartment is private land, much of which is comprised of agricultural lands, primarily hay and pasture, that support some grassland bird species and act as summer range for deer. Treatments planned should promote young deciduous and conifer habitat that will benefit snowshoe hare, beaver, and other species. Streams and wetlands should be buffered appropriately. Young regeneration from previous treatments will continue to provide habitat for ruffed grouse, woodcock, snowshoe hare, deer, and migratory birds. Mature stands that remain will provide cover for bobcat, warblers, and other wildlife.

Mineral Resource and Development Concerns and/or Restrictions

Several active sand/gravel pits exist in the area. Most are located on distinct geomorphological features where coarse-textured sediments are more likely to occur. Most of the compartment is covered by wetlands. Gravel potential within the compartment appears limited. There may be some sand potential in places. 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:

There are three small two track roads off of Kinross Road from the west and one decent two track off of South Forest Road from the North. Stands on the east side can be accessed from this road. There is no public access across the railroad tracks, or established crossings on State land. Sault Area Public Schools has a railroad crossing on their property in Section 18, however, it does not appear to provide good access to State land. Mackinac Trail borders a portion of the stands along the east side.

Survey Needs:

Section 24 NWSW. There is a fence line existing where the timber sale will be so maybe the line is established.

Recreational Facilities and Opportunities:

No recreational facilities exist within this compartment. The main recreation within this compartment is hunting, and probably dispersed camping.

Fire Protection:

Access is fairly good for suppression throughout the compartment to the drier upland areas. Water may be found in ditches and drainages depending on rain events.

Additional Compartment Information:

The following reports from the Inventory are attached:

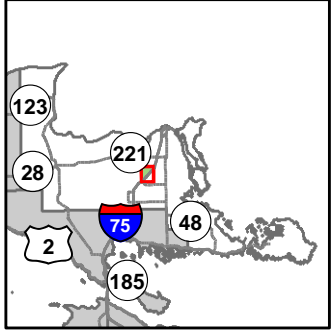
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

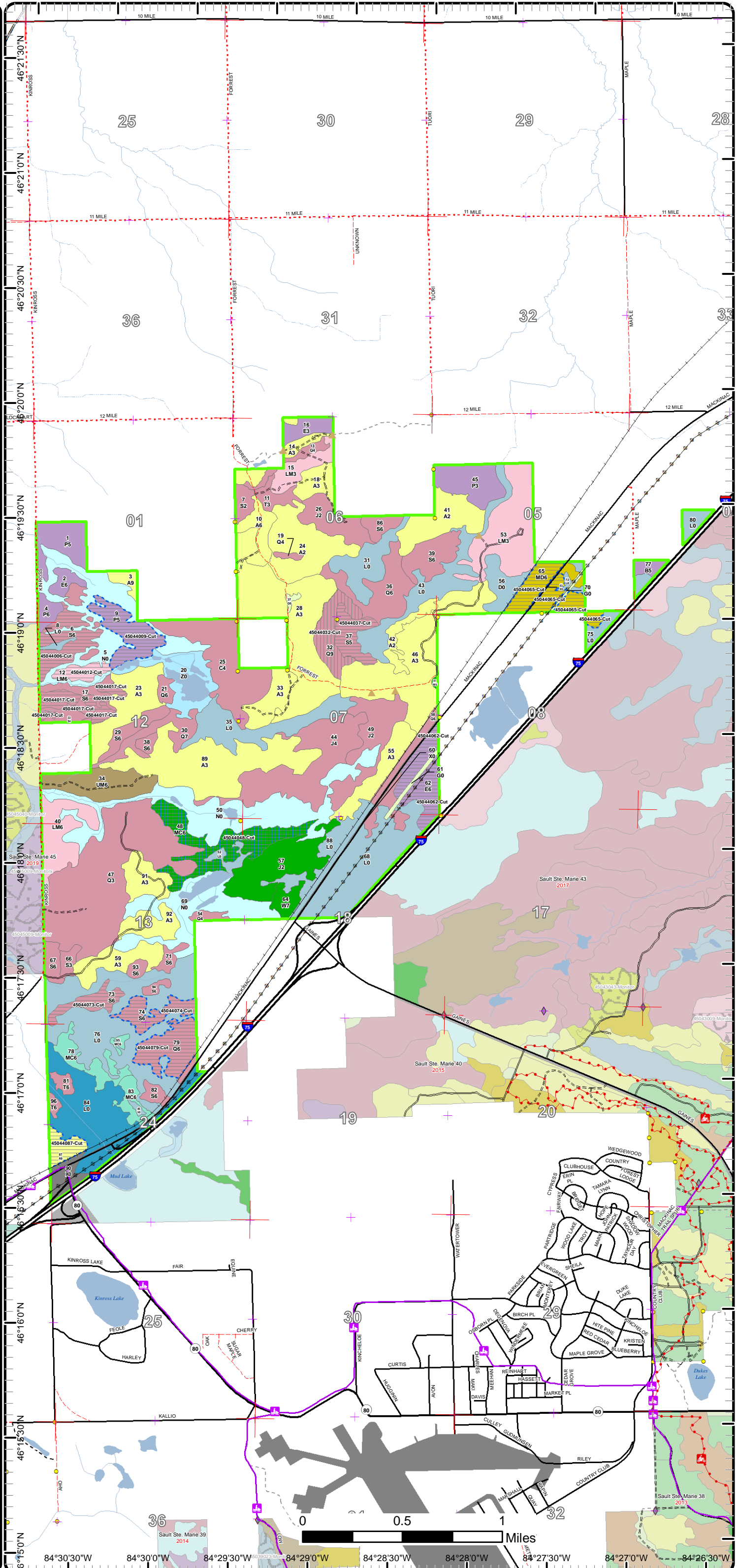
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 44
 T45N,R02W, Sec.1, 12, 13, 24
 T45N, R01W, Sec. 4-8, 18
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Kinross Bog
 YOE: 2021
 Acres: 3,176 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 8/9/2019
 Map Phase: Web Post



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- - - Counties
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Active Railroads
- Motorcycle Trails (DNR License)
- Snowmobile Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Harvest - See Comments
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- Lakes

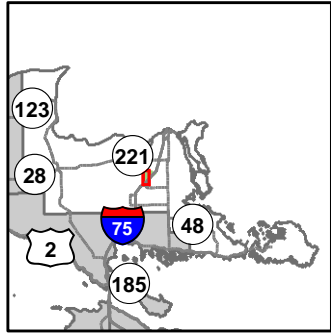


0 0.5 1 Miles

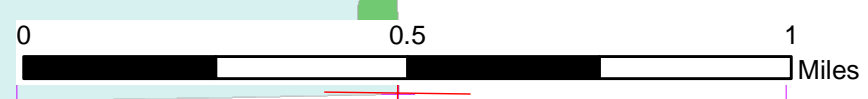
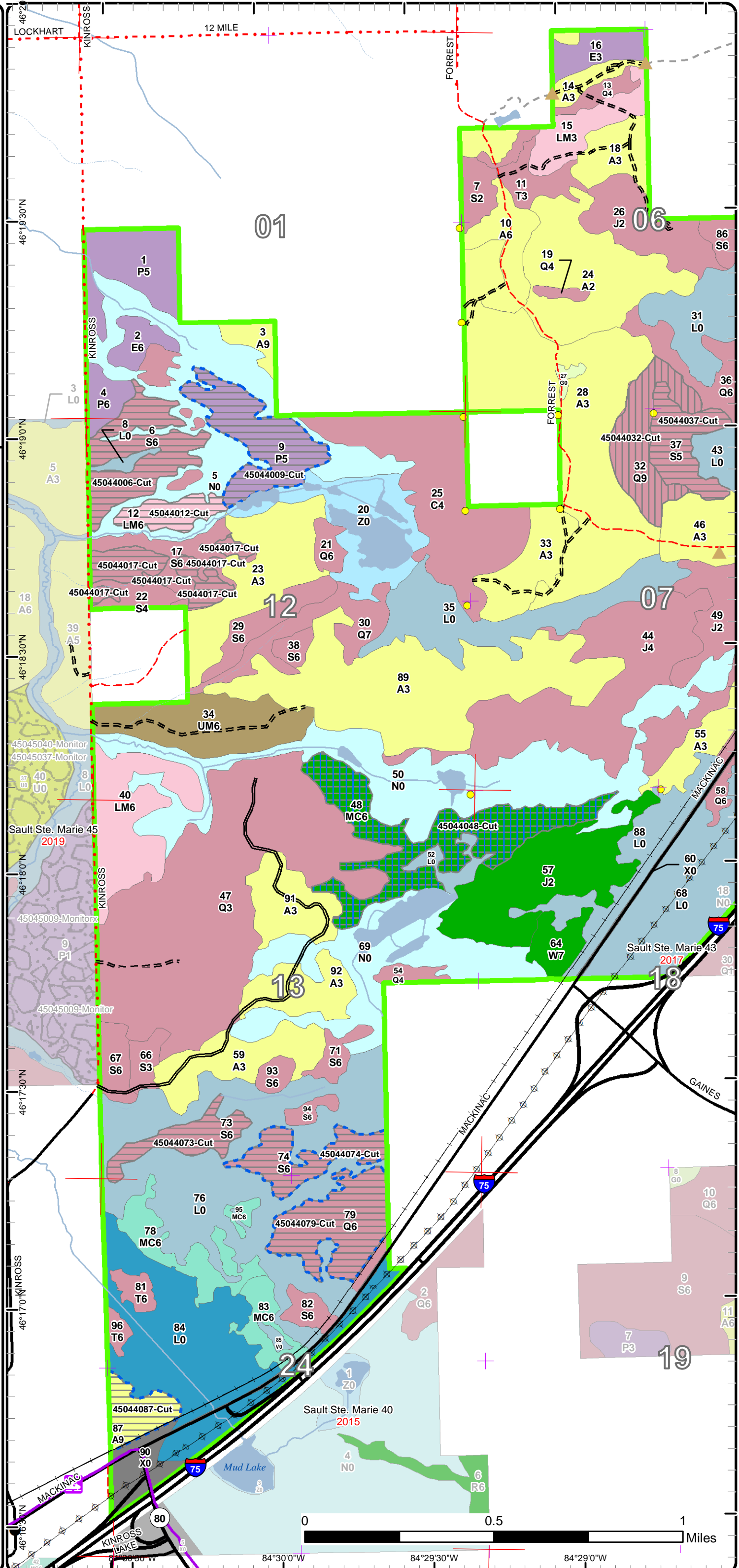
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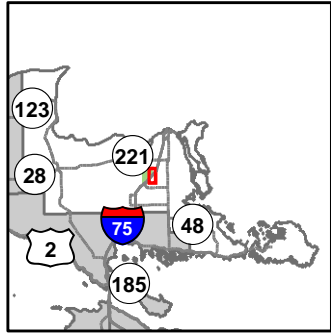
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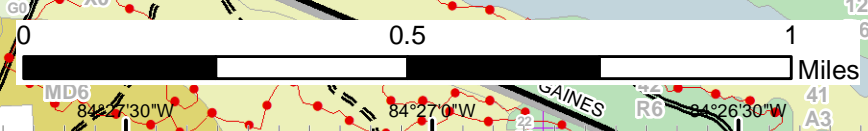
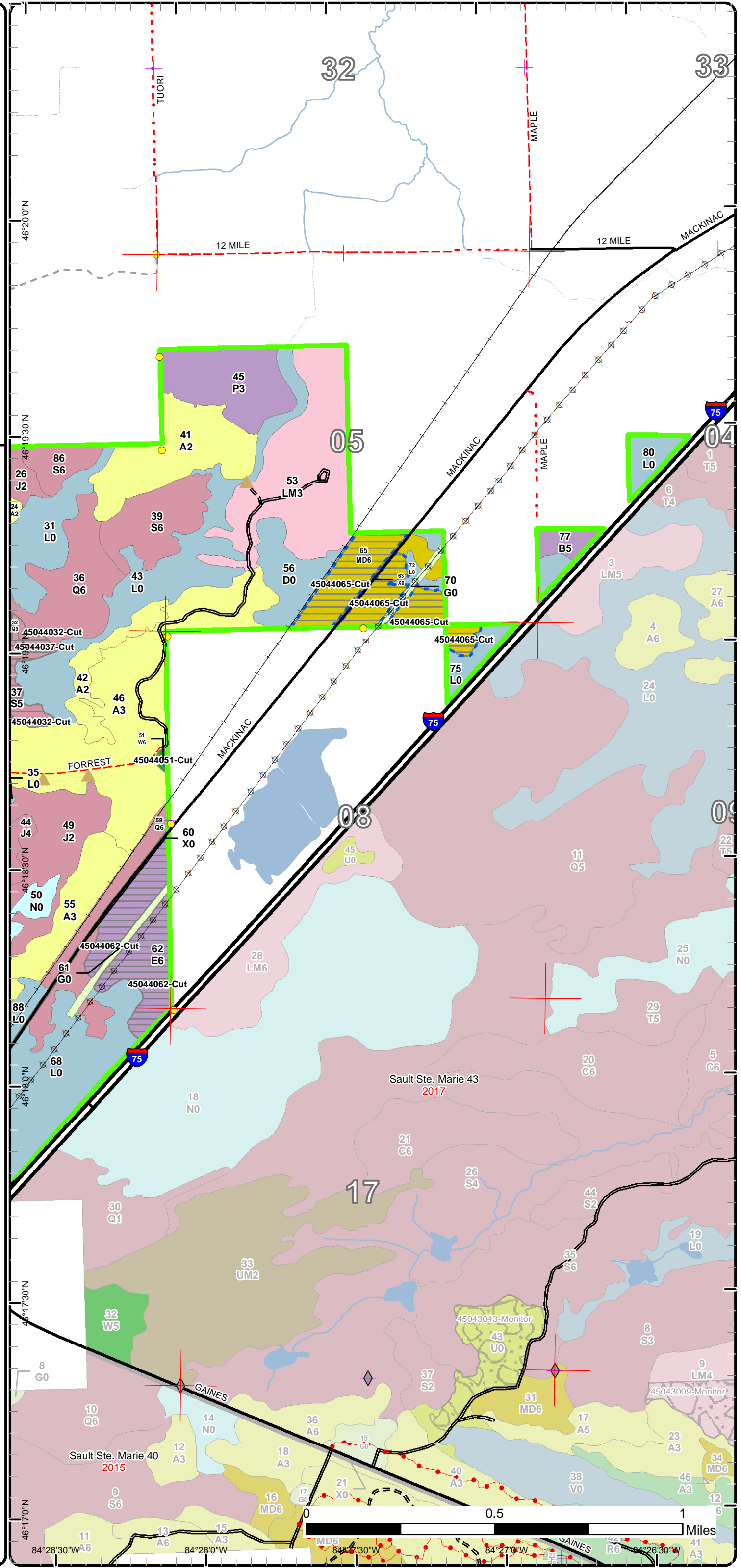
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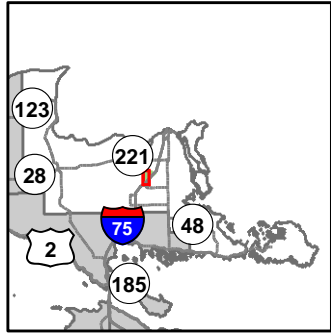


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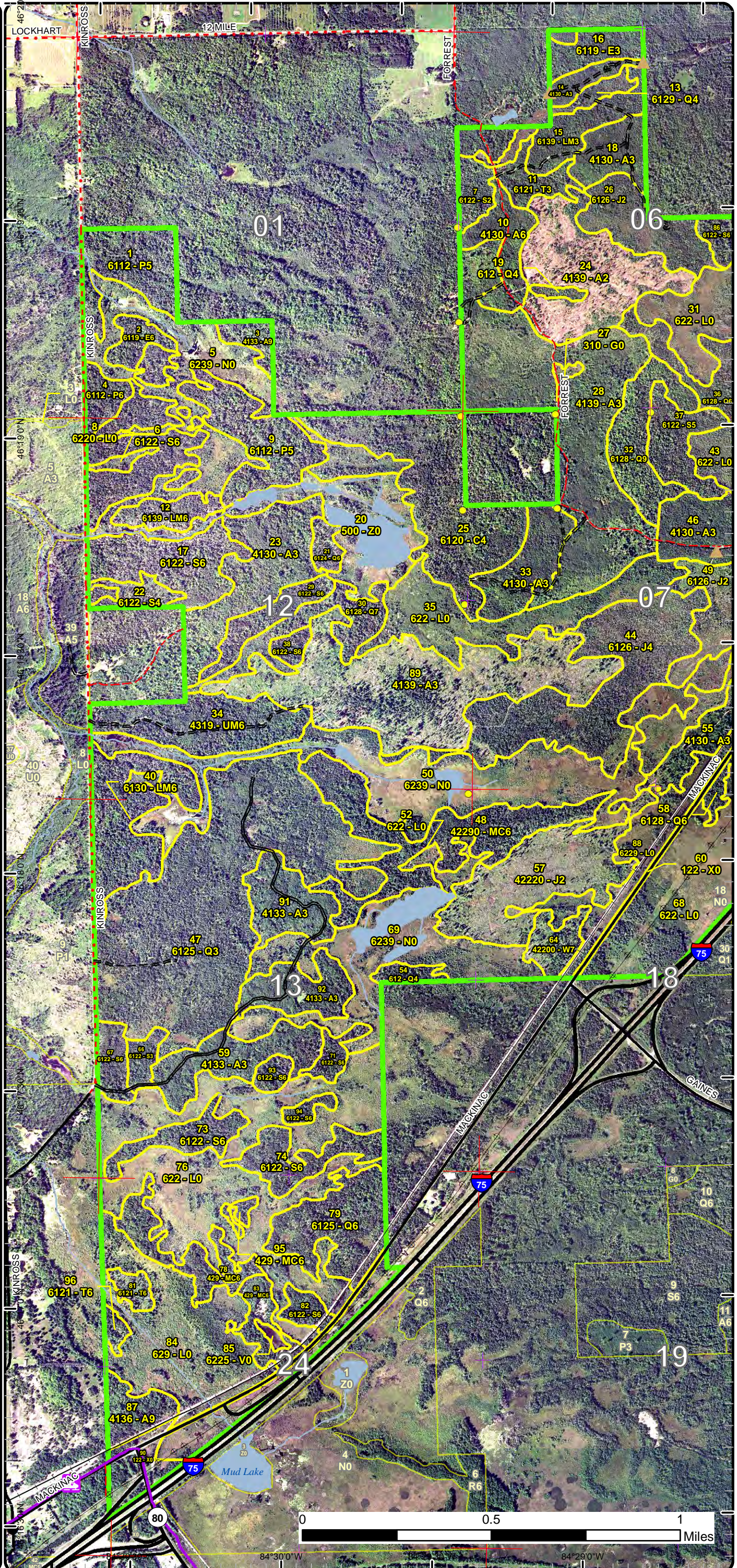


Stand Boundary Map

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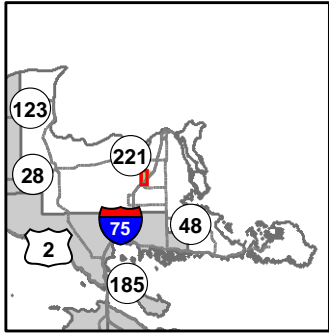


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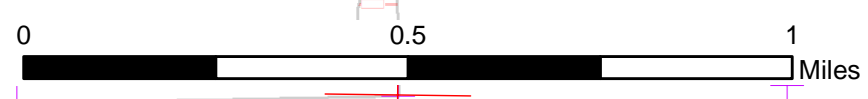
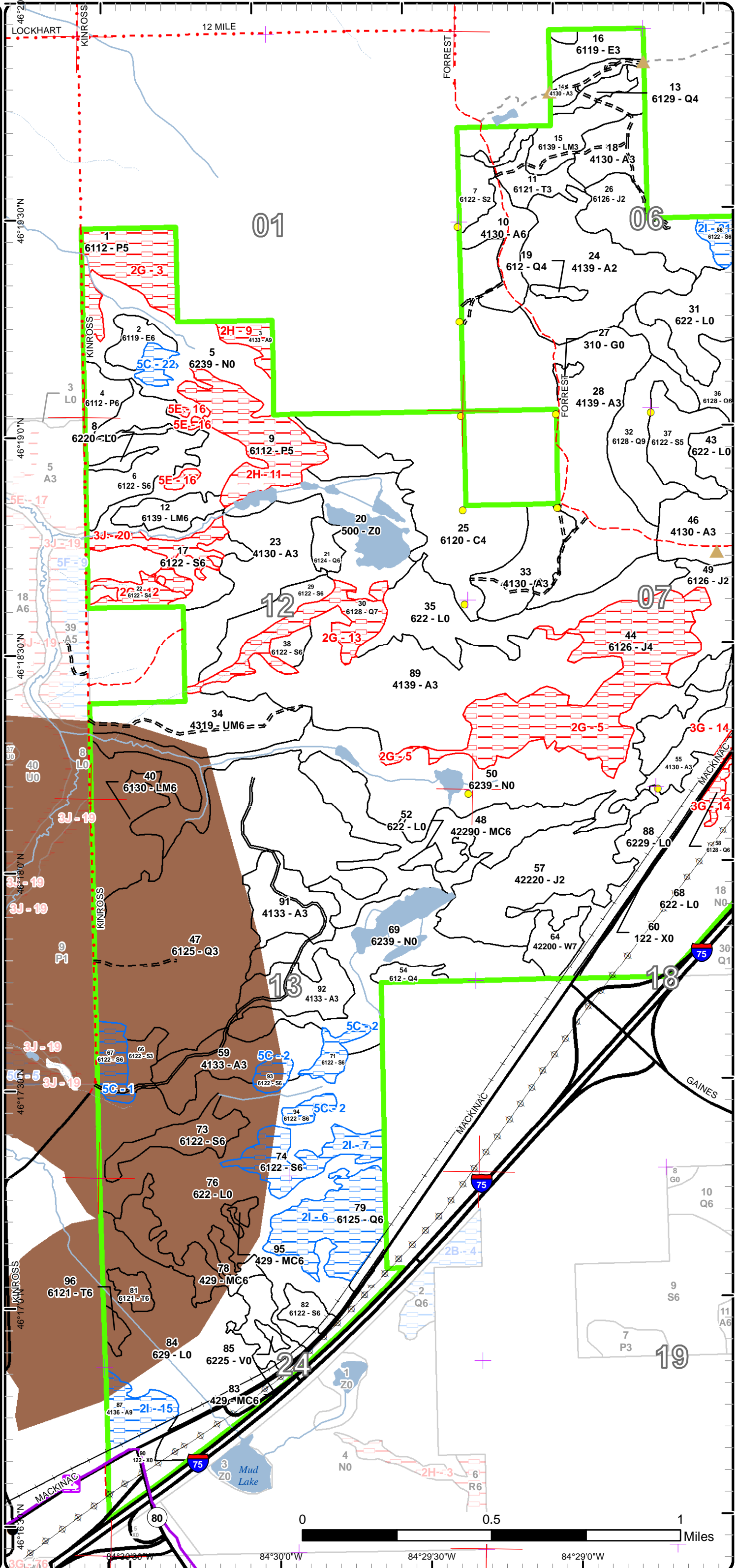


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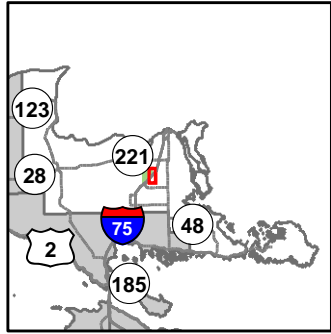
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



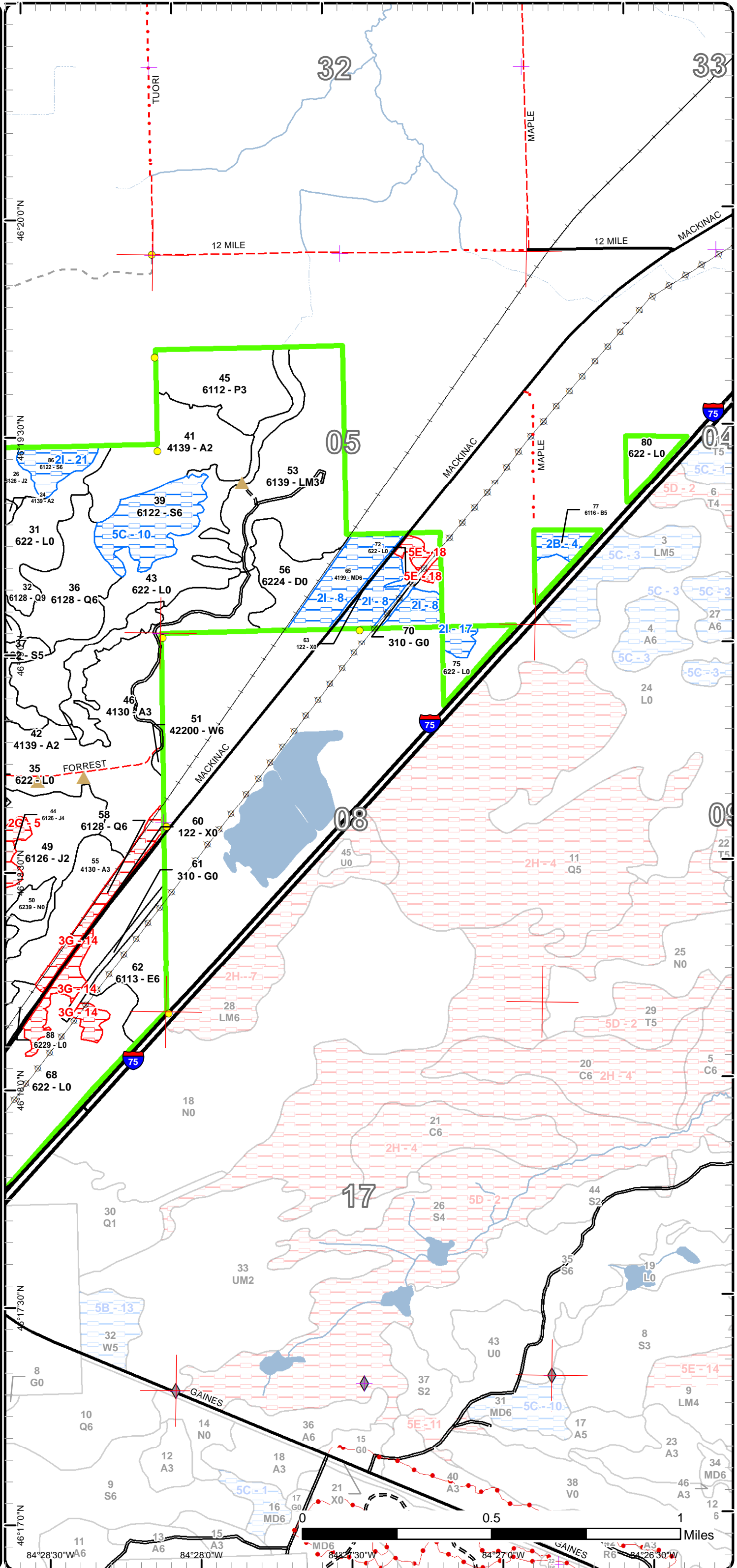
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	237	162	233	84	0	0	0	22	0	0	0	0	0	0	0	0	0	738
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	77	0	0	0	0	77
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	61	48	0	30	0	0	0	0	86	0	0	0	0	0	0	0	0	225
Lowland Aspen/Balsam Poplar	0	0	0	0	36	10	31	0	36	0	0	0	0	0	0	0	0	0	113
Lowland Conifers	0	0	0	0	184	5	53	0	6	40	24	30	0	0	24	0	3	0	369
Lowland Deciduous	0	0	0	0	14	0	9	0	0	0	0	0	0	0	0	0	0	40	63
Lowland Mixed Forest	0	0	0	76	20	45	12	0	0	0	0	0	0	0	0	0	0	0	153
Lowland Shrub	558	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	558
Lowland Spruce/Fir	0	0	0	0	10	7	0	43	43	124	33	0	0	0	0	0	0	0	259
Marsh	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	279
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	46
Natural Mixed Pines	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	61
Paper Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Tamarack	0	0	0	0	12	9	0	0	0	0	0	0	0	0	0	0	0	0	21
Treed Bog	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Upland Conifers	0	0	0	0	0	0	13	0	0	25	0	0	0	0	0	0	0	0	38
Upland Mixed Forest	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Urban	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Water	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
White Pine	0	0	0	1	0	0	0	0	0	0	12	0	0	0	0	0	0	0	13
Total	950	298	210	310	433	76	118	104	153	275	69	30	0	77	24	0	3	47	3175



Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 44
Total Compartment Acres: 3,176

Commercial Harvest - 218
Harvests with Site Condition - 151
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	14	0	0	0	0	0	0	0	0	14
Lowland Aspen/Balsam Poplar	36	0	0	0	0	0	0	0	0	36
Lowland Conifers	37	0	0	0	30	0	0	0	0	67
Lowland Deciduous	40	0	0	0	0	0	0	0	0	40
Lowland Mixed Forest	12	0	0	0	0	0	0	0	0	12
Lowland Spruce/Fir	96	0	0	0	0	0	0	0	0	96
Mixed Upland Deciduous	42	0	0	0	0	0	0	0	0	42
Natural Mixed Pines	0	0	0	61	0	0	0	0	0	61
White Pine	0	0	0	0	0	0	0	0	1	1
Total	277	0	0	61	30	0	0	0	1	369

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	0	390	0	0	390
Total	369	0	0	0	0	0	390	0	0	758



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
6	45044006-Cut	35.4	6122 - Black Spruce	Poetimber Well	68	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest all trees to a four inch top, except cedar, hemlock and pine. Follow BMPs along wet areas and streams for additional retention, along											
<u>Specs:</u> with the three small islands not in the treatment.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Present species mostly black spruce.											
<u>Regen:</u>											
<u>Other</u> Three small islands are long term retention, treat the northern part with stand 2 or make a new stand.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
9	45044009-Cut	36.3	6112 - Lowland Aspen	Poetimber Medium	79	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition: Blocked by Obstacle								
<u>Prescription</u> Harvest all trees to a four inch top except cedar, hemlock, and pine, and follow BMP guidance for additional retention.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Present species											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
12	45044012-Cut	11.9	6139 - Mixed Lowland Forest	Poetimber Well	54	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest all trees to a four inch top except cedar pine, and hemlock, and follow BMP guidance along wet areas and streams for retention.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Present species											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
17	45044017-Cut	22.1	6122 - Black Spruce	Poetimber Well	80	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees that are 2" or more in DBH. Do not cut cedar, hemlock, pine, yellow birch and oak if it exists in the stand. leave a couple scattered											
<u>Specs:</u> patches of retention in areas with little or no spruce and fir. If the stand transitions to black spruce there is no need to do a salvage in those areas unless there is a significant amount of fir. Buffer the stream by at least 150' with opportunity to harvest spruce and fir within the buffer if it is necessary.											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> Acceptable regen includes spruce, fir, aspen, birch, maple, pine, cedar											
<u>Regen:</u>											
<u>Other</u> SBW salvage cut											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 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
32	45044032-Cut	29.6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	100	81-110	Harvest	Shelterwood	612 - Lowland Coniferous Forest	Two-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Harvest all species to a four inch top except white pine and oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

37	45044037-Cut	22.1	6122 - Black Spruce Poletimber Medium	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
----	--------------	------	---	--------------------	----	--------	---------	----------------------------	------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Harvest all species except white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable present species

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

48	45044048-Cut	61.4	42290 - Natural Mixed Pine	Poletimber Well	60	51-80	Harvest	Seed Tree	429 - Mixed Upland Conifers	Two-Aged	Proposal
----	--------------	------	-------------------------------	--------------------	----	-------	---------	-----------	--------------------------------	----------	----------

Habitat Cut: No**Site Condition:**

Prescription Seed tree with retention, harvest all species except some red and white pine. Boundary lines along wet area to follow BMP's and add to retention areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

51	45044051-Cut	1.0	42200 - Natural White Pine	Poletimber Well	27	Immature	Harvest	Other - Specify	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Harvest / remove all scotch pine.

Specs:

Next Step

Treatments:

Acceptable Present species except scotch pine.

Regen:

Other

Comment: This is a small stand/ area with mostly scotch pine, much on the pvt side also. Could be merged with stand 46 after treatment. This treatment could be accomplished with chainsaw training day for the larger trees, small trees could be cut by the seasonal WLD assistant.

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
62	45044062-Cut	39.5	6113 - Lowland Maple	Poetimber Well	60	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Harvest all species to a four inch top except white pine and any oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

65	45044065-Cut	41.7	4199 - Other Mixed Upland Deciduous	Poetimber Well	70	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
----	--------------	------	--	-------------------	----	-------	---------	----------------------------	---	-----------	----------

Habitat Cut: No**Site Condition: Survey Needed**

Prescription Harvest all species to a four inch top, except white pine and any oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

73	45044073-Cut	16.6	6122 - Black Spruce	Poetimber Well	79	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
----	--------------	------	---------------------	-------------------	----	--------	---------	----------------------------	------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Harvest all species to a four inch top except white pine. Winter cut with crane mats for access through stand 59.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species with focus on black spruce.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

74	45044074-Cut	21.9	6122 - Black Spruce	Poetimber Well	96	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Harvest all species to a four inch top except white pine. Winter cut with crane mats as access through stand 73.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present species with focus on Black spruce.

Regen:

Other

Could be cut without a survey as the boundary is short and the corner in the north part of 79 is in.

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
79	45044079-Cut	36.9	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	87	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal

Habitat Cut: No **Site Condition: Survey Needed**

Prescription Harvest all species to a four inch top except white pine and any cedar. winter cut with crane mats as access through stand 74.
Specs:

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

Acceptable Present species.
Regen:

Other Corner along boundary to the north has been found, if there is a corner to the south, survey is not needed.
Comment:

Proposed Start Date: 10/1 /2020

87	45044087-Cut	14.2	4136 - Aspen, Mixed Conifer	Sawtimber Well	76	51-80	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Proposal
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Habitat Cut: No **Site Condition: Survey Needed**

Prescription Harvest all species to a 4 inch top except white pine, cedar, and oak if any in stand. Remove scotch pine, fence line on west side may be good, check for corners .
Specs:

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

Acceptable present species
Regen:

Other Fisheries wants to maintain a 300 foot buffer from stand/ treatment lines to Hutton Creek which is a trout stream.
Comment:

Proposed Start Date: 10/1 /2020

Total Treatment Acreage Proposed: 390.6

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 44

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		2B	2I	5C	5F	2G	2H	3G	3J	5E	
739	717	14	8	Aspen		14			0	8			0	
2	2	0	0	Bog										
77	77	0	0	Cedar										
10	10	0	0	Herbaceous Openland										
225	139	0	86	Jack Pine		0		86						
113	46	0	68	Lowland Aspen/Balsam Poplar				31	36					
369	281	39	49	Lowland Conifers		39		24		24				
63	63	0	0	Lowland Deciduous										
153	153	0	0	Lowland Mixed Forest								0		
557	557	0	0	Lowland Shrub	0									
260	142	93	25	Lowland Spruce/Fir		33	60	0	8			14	3	
279	279	0	0	Marsh						0			0	
46	0	42	4	Mixed Upland Deciduous		42							4	
61	61	0	0	Natural Mixed Pines										
7	0	7	0	Paper Birch	7									
21	21	0	0	Tamarack										
22	22	0	0	Treed Bog										
37	37	0	0	Upland Conifers										
43	43	0	0	Upland Mixed Forest										
30	30	0	0	Urban										
48	48	0	0	Water										
13	13	0	0	White Pine										
3,176	2,742	195	239	Total Forested Acres	7	128	60	0	150	44	24	14	7	
	86%	6%	8%	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	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 44

Year of Entry: 2021

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: According to the stand notes this is low wet ground.							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2I: Survey needed	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Prescribed for treatment but needs survey on east side.							
7	Available	2I: Survey needed	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Prescribed for treatment but needs survey on east side.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 44

Year of Entry: 2021

8	Available	2I: Survey needed	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand can only be access form private to the north or east.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	36	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: According to the stand notes we would need a road built into this stand but it would have to cross a large drainage. Try to find access form stand 12 next YOE.							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand notes say this stand is very wet.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Stand notes say that this is low ground that is wet but also sounds like we might be just leaving it for diversity purposes at the moment.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 44

Year of Entry: 2021

14	Unavailable	3G: Other Influence zones - See comments	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is being left as a buffer along the road.							
15	Available	2I: Survey needed	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2I: Survey needed	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Fish Division wanted a 150' buffer along the stream on the northern border of this stand. While setting up the stand found many drainages that flow toward the creek and protected them from equipment. This will all serve as long term retention for this treatment.							
21	Available	2I: Survey needed	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 44

Year of Entry: 2021

22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harvest with stand 2							

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 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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
1	6112 - Lowland Aspen	Poletimber Medium	31.2	51	1-50	N/A	Very low ground, aspen is young but in poorer condition due to the wet soil, large patches of pure tag alder exist w/in the stand, some older aspen w/in the stand as well, also has drainages within stand.																																																			
<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>Quaking Aspen</td> <td>75</td> <td>Pole</td> <td>8</td> <td>51</td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	75	Pole	8	51	Balsam Fir	20	Pole	5		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Full</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Dogwood (spp.)</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Quaking Aspen	Medium	Variable	Sapling	Balsam Fir	Low	Variable	Sapling	Tag Alder	Full	Variable	Tall Shrub	Dogwood (spp.)	Medium	Variable	Tall Shrub															
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Dogwood (spp.)	Medium	Variable	Tall Shrub																																																							
2	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	9.3	50	51-80	N/A	Small stand with a mix of species. Stand is young & needs time to mature. Stand is poorer quality.																																																			
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Hazelnut (Spp.)	Medium	Variable	Tall Shrub																																																							
3	4133 - Aspen, Mixed Pine	Sawtimber Well	7.8	71	51-80	N/A	Unique stand consists of huge white pine with a mix of aspen, paper birch and red maple. A thick balsam understory exists. White pine are impressive!! Only access would be form private to the north and east.																																																			
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4	6112 - Lowland Aspen	Poletimber Well	9.7	47	51-80	N/A	Young stand of aspen mixed with some conifer. Stand is in good condition.																																																			
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5	6239 - Mixed Emergent Wetland	Nonstocked	81.1		Unspecified	No																																																				
6	6122 - Black Spruce	Poletimber Well	43.4	68	51-80	N/A	Stand of younger black spruce. Stand is in good condition and has some areas of both low and high ground. A mix of species throughout.																																																			
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7	6122 - Black Spruce	Sapling Medium	9.6	33	Immature	N/A	Small patch of low ground that was cut over. Regeneration is coming back nice with a mix of spruce, balsam and cedar.																																									
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8	6220 - Alder/willow	Nonstocked	2.8		Unspecified	No																																										
9	6112 - Lowland Aspen	Poletimber Medium	36.3	79	51-80	N/A	Stand is very patchy but has some decent clumps of Aspen here and there. Balsam understory is thick!! A lot of rabbit & porcupine sign. Some huge white pine with in the stand. Stands to the West are immature, no good access from the West unless we cut a road from the West. We would also have to cross a pretty good sized drainage.																																									
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10	4130 - Aspen	Poletimber Well	27.1	33	1-50	N/A	Stand of healthy aspen, balsam understory is thick in spots.																																									
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11	6121 - Tamarack	Sapling Well	11.7	33	Immature	N/A	Low, boggy ground consisting of mostly tamarack.																																									
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12	6139 - Mixed Lowland Forest	Poletimber Well	11.9	54	51-80	N/A	Young aspen with a thick balsam understory. Aspen is poorer quality. Large white spruce mixed throughout the stand. Stand is an island surrounded by marsh																																									
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13	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	9.2	50	1-50	N/A	Stand consists of a bog which is filling in with a mix of tamarack, black spruce, white pine, and scattered jack pine.																																																						
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14	4130 - Aspen	Sapling Well	9.4	33	Immature	N/A	Small stand of healthy, young aspen, probably cut the same time as stand 10.																																																						
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15	6139 - Mixed Lowland Forest	Sapling Well	20.0	33	Unspecified	N/A	Low ground. Stand has regenerated back to a mix of species, in some areas the white pine has come back exceptionally well.																																																						
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16	6119 - Mixed Lowland Deciduous Forest	Sapling Well	14.0	33	Immature	N/A	Stand was cut the same time as stand to the South yet the ground is lower in this stand. A mix of species exist within the stand. Paper birch has regenerated very well in some spots. Also, some nice seedling sized cedar has filled in the road w/in the nw corner of stand.																																																						
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17	6122 - Black Spruce	Poletimber Well	38.0	80	51-80	N/A	Stand of mixed ages. The southern edge contains older wood while the northern edge contains younger wood. Average age of black spruce is 70 yrs.																																																						
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19	612 - Lowland Coniferous Forest	Poletimber Poor	2.6	250	Unspecified	N/A	Forested stand of lowland conifers left out of recent cut.																																							
20	500 - Water	Nonstocked	47.8		Unspecified	No																																								
21	6124 - Lowland Spruce-Fir	Poletimber Well	6.0	70	51-80	N/A																																								
22	6122 - Black Spruce	Poletimber Poor	8.5	83	1-50	N/A	Very wet stand of mostly tag alder with black spruce and balsam fir here and there. Good rabbit habitat.																																							
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23	4130 - Aspen	Sapling Well	47.9	35	Unspecified	N/A	Stand of healthy young aspen.																																							
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24	4139 - Aspen, Mixed Deciduous	Sapling Medium	61.8	3	Immature	N/A	Sale 011-11, cut in 2016, full regen but black spruce is slow to show. Cherry brush is amongst the regen.																																							
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25	6120 - Lowland Cedar	Poletimber Poor	77.2	122	1-50	N/A	Low ground with clumps of cedar and conifer surrounded by tag alder and shrub. Stand does have some pockets of decent cedar regen here and there.																																																															
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26	6126 - Lowland Jack Pine	Sapling Medium	30.0	33	Immature	N/A	Stand consists of a bog with a mix of jack pine, black spruce, and tamarack. N 1/2 of stand contains decent jack pine regen. S1/2 is very wet and trees are sparse.																																																															
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27	310 - Herbaceous Openland	Nonstocked	2.2		Unspecified	No	Old opening used as landing during recent timber sale.																																																															
28	4139 - Aspen, Mixed Deciduous	Sapling Well	130.6	13	Immature	N/A	Sale 011-02, regeneration is coming back and looks good. There are a couple of patches where the regeneration is light but is slowly filling in with cherry and balsam fir, scattered jack pine, no understory except grasses and ferns.																																																															
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29	6122 - Black Spruce	Poletimber Well	15.3	73	51-80	N/A	Strip of black spruce, can be manage with other stands next YOE.																																																															
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30	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Poor	24.2	90	51-80	N/A	New stand added. Low ground, southwest arm contains mostly tag alder. Northeast corner consists of large aspen with a mix of understory species. Do not harvest, maintain for soft mast and vertical structure. Ground is low and wet, basically a wetland buffer stand.																																																															
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31	622 - Lowland Shrub	Nonstocked	35.2		Unspecified	No																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 29.9 100 81-110 N/A Stand contains large white pine scattered throughout, and is holding up well. Very thick understory.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole	11		Red Maple	Low	Variable	Sapling
Black Spruce	10	Pole	8	80	Balsam Fir	High	Variable	Sapling
White Pine	40	XLog	18	100	Black Spruce	Low	Variable	Sapling
Balsam Fir	20	Pole	6					

33 4130 - Aspen Sapling Well 25.0 27 Immature N/A Young stand of aspen... Stand is fully stocked and in good condition.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Sapling	2		Red Maple	Medium	Variable	Sapling
Quaking Aspen	70	Sapling	3	27	Quaking Aspen	Medium	Variable	Sapling
Bigtooth Aspen	15	Sapling	3		Balsam Fir	High	Variable	Sapling
					Choke Cherry	Low	Variable	Sapling

34 4319 - Mixed Upland Forest Poletimber Well 43.2 35 1-50 N/A Stand has regenerated well and consists of a mix of aspen and spruce/fir. Just became pole size this YOE.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Pole/Sapling	5	35	Red Maple	Low	Variable	Sapling
Bigtooth Aspen	10	Pole/Sapling	5		Balsam Fir	High	Variable	Sapling
Balsam Fir	30	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
White Pine	17	Log	15					

35 622 - Lowland Shrub Nonstocked 53.5 Unspecified No

36 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 43.7 55 Unspecified N/A Old clear cut that has come back to a mixed bag of species. Stand is healthy, and young, provides a good buffer between treatments.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Balsam Fir	High	Variable	Sapling
Paper Birch	30	Sapling/Pole	4	55	Black Spruce	Medium	Variable	Sapling
Balsam Fir	14	Pole	5					
Black Spruce	32	Pole	6	55				
White Pine	10	Pole	8					

37 6122 - Black Spruce Poletimber Medium 22.1 85 81-110 N/A Stand consists of black spruce in low ground. Spruce is decent quality but small diameter and sparse.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	95	Pole	6	85	Red Maple	Medium	Variable	Sapling
					Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
38	6122 - Black Spruce	Poletimber Well	4.7	71	Unspecified	N/A	Previously part of adjacent stand that was cut in winter of 2012-13.																																									
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39	6122 - Black Spruce	Poletimber Well	28.6	85	51-80	N/A	Stand is in decent condition. Timber is pole sized. Pockets of white pine exist with an occasional red pine scattered here and there. Very wet at inventory in Spring 2019.																																									
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40	6130 - Fir, Aspen, Maple	Poletimber Well	44.7	46	51-80	N/A	Stand varies in topography. South part is high and sandy with a good amount of younger white pine. North part of stand is lower with a mix of aspen, red maple, and balsam fir.																																									
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41	4139 - Aspen, Mixed Deciduous	Sapling Medium	44.2	5	Immature	N/A	Sale 011-11, cut in 2014, full regen with cherry brush, but no black spruce.																																									
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43	622 - Lowland Shrub	Nonstocked	59.2		Unspecified	No																																										
44	6126 - Lowland Jack Pine	Poletimber Poor	85.9	83	1-50	N/A	Stand consists of mostly dead standing jack pine. Ground is very wet. Black spruce, white pine, and paper birch is coming in underneath, north half barely forested, ancient road/trail bisecting this stand from Cottage Park to Kinross Road.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
45	6112 - Lowland Aspen	Sapling Well	36.3	32	Immature	N/A	Stand of healthy aspen with a thick understory of balsam.																																									
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46	4130 - Aspen	Sapling Well	112.0	27	Immature	N/A	Stand of nice aspen regeneration with a mix of other species. Stand is in good condition.																																									
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47	6125 - Lowland Black Spruce, Jack Pine	Sapling Well	184.1	33	Immature	N/A	Large, older clear-cut. Stand consists of lowland black spruce. Some areas are quite boggy while some spots are on a slight rise. Stand looks good overall.																																									
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48	42290 - Natural Mixed Pine	Poletimber Well	61.4	60	51-80	N/A	Stand consists of long sand ridges with wetlands surrounding it. Timber is decent quality.																																									
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49	6126 - Lowland Jack Pine	Sapling Medium	47.9	13	Immature	N/A	Sale 017-02, cut in early spring of '06. Stand is regenerating back to a jack pine and black spruce mix. I notice a lot of black spruce just starting (6", height) trees. I also see quite a few paper birch saplings scattered amongst the stand.																																									
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50	6239 - Mixed Emergent Wetland	Nonstocked	121.4		Unspecified	No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
51	42200 - Natural White Pine	Poletimber Well	1.0	27	Immature	N/A	Small forested stand with scotch pine. (replace white with scotch)																																										
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52	622 - Lowland Shrub	Nonstocked	7.2		Unspecified	No																																											
53	6139 - Mixed Lowland Forest	Sapling Well	76.2	29	Immature	N/A	Stand has regenerated back to a wide assortment of species. Ground is both upland and lowland. Stand is in good condition.																																										
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54	612 - Lowland Coniferous Forest	Poletimber Poor	5.1	40	Unspecified	N/A	Partially forested marsh/ bog																																										
55	4130 - Aspen	Sapling Well	31.6	13	Unspecified	N/A	Sale 017-02, stand has fully regenerated to aspen. Large white pine scattered throughout the stand. Logging road into stand needs to be blocked.																																										
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56	6224 - Treed Bog	Nonstocked	21.6	0	Unspecified	No	Stand is more or less a bog with tamarack, white pine, and black spruce filling in. Ground is very, very wet.																																										
57	42220 - Natural Jack Pine	Sapling Medium	61.4	8	Immature	N/A	Sale 003-10, cut in 2011, good regen with conifers coming back.																																										
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58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	24.3	130	81-110	N/A	Stand contains very large white pine with a mix of species within the understory. Stand is old makes for a nice buffer along highway, too many influence zones for a treatment.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
59	4133 - Aspen, Mixed Pine	Sapling Well	30.8	27	Immature	N/A	Older harvest, group of three nice young aspen stands. Stands has some scattered large white pine throughout. Young jack pine mixed throughout as well.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		66	Sapling	3	27	Red Maple	Low	Variable	Sapling
White Pine		15	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
Jack Pine		15	Sapling	3		White Pine	Low	Variable	Sapling
						Jack Pine	Low	Variable	Sapling
60	122 - Road/Parking Lot	Nonstocked	7.7		Unspecified	No	Mackinac Trail, however, not State owned, discuss at pre-review.		
61	310 - Herbaceous Openland	Nonstocked	4.9		Unspecified	No	Power line		
62	6113 - Lowland Maple	Poletimber Well	39.5	60	51-80	N/A	Two part stand separated by powerline, large mature white pine over red maple, fir, aspen, spruce. White pine much older, more two aged.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple		60	Pole	11	60	Red Maple	Medium	Variable	Sapling
Black Spruce		7	Pole	10	105	Balsam Fir	Medium	Variable	Sapling
White Pine		25	Log/XLog	20					
63	122 - Road/Parking Lot	Nonstocked	2.0		Unspecified	No	Mackinac Trail, however, not State owned, discuss at pre-review.		
64	42200 - Natural White Pine	Sawtimber Poor	12.0	93	51-80	N/A	Stand was cut in winter of 2011. Retention includes white pine and red pine. Enough white pine left within stand to keep stand as a forested type.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		95	XLog/Log	18	93	Jack Pine	Medium	5 - 10 feet	Sapling
65	4199 - Other Mixed Upland Deciduous	Poletimber Well	45.9	70	51-80	N/A	Five part stand separated by Mac Trail, powerline, and wetlands, contains a mix of red maple and aspen along with conifer here and there. Stand is showing signs of age.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple		50	Pole	9	70	Red Maple	Medium	Variable	Sapling
Quaking Aspen		30	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Balsam Fir		10	Pole/Sapling	7					
66	6122 - Black Spruce	Sapling Well	7.0	49	Unspecified	N/A	Small stand of mostly black spruce that was probably cut with adjacent stands.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce		80	Sapling	3	49	Paper Birch	Low	Variable	Sapling
Tamarack		8	Pole	6		Black Spruce	Medium	Variable	Sapling
White Pine		8	Sapling	3		White Pine	Low	Variable	Sapling
67	6122 - Black Spruce	Poletimber Well	10.6	87	51-80	N/A	Some large white pine scattered throughout, a few large red pine exist on the south end of stand. More diversity on the south end, north end is smaller diameter black spruce.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce		98	Pole	6	87	Black Spruce	Medium	Variable	Pole



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68	622 - Lowland Shrub	Nonstocked	92.4		Unspecified	No																																	
69	6239 - Mixed Emergent Wetland	Nonstocked	76.9		Unspecified	No	Partially forested and partly water but mostly marsh.																																
70	310 - Herbaceous Openland	Nonstocked	3.0		Unspecified	No	Power Line																																
71	6122 - Black Spruce	Poletimber Well	6.9	80	51-80	N/A	Three small younger islands of black spruce mixed with some white pine.																																
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72	622 - Lowland Shrub	Nonstocked	4.6		Unspecified	No	Three small swamps close together.																																
73	6122 - Black Spruce	Poletimber Well	16.6	79	81-110	N/A	A small island stand. Sand ridge to the West that degrades and gets lower as it works East. Westernmost species consist of white pine, paper birch, and big tooth aspen. Species to the East consist of black spruce, scattered white and red pine.																																
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74	6122 - Black Spruce	Poletimber Well	21.9	96	81-110	N/A	Small sand ridge with a mix of black spruce and jack pine. Jack pine is decent quality. black spruce is of small diameter and poorer quality. White pine mixed throughout stand.																																
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75	622 - Lowland Shrub	Nonstocked	12.9		Unspecified	No																																	
76	622 - Lowland Shrub	Nonstocked	145.3		Unspecified	No																																	
77	6116 - Lowland Birch	Poletimber Medium	6.8	99	1-50	N/A	Was not able to make it to this small type. I looked at the old OI notes which had paper birch as the only species. Stand had at least 4 limiting factors attached to it for various reasons. Do not harvest due to access.																																
78	429 - Mixed Upland Conifers	Poletimber Well	21.7	89	51-80	N/A	Stand contains low areas with black spruce and higher sand ridges that consist of planted red pine. Stand is in good condition overall.																																
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79	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	39.5	87	51-80	N/A	Mature stand of black spruce and jack pine. Jack pine is falling apart. Black spruce is in decent condition. Large white pine, small pockets of blowdown, and wet area exist in the stand.																																																						
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80	622 - Lowland Shrub	Nonstocked	9.3		Unspecified	No																																																							
81	6121 - Tamarack	Poletimber Well	5.6	49	Unspecified	N/A	Two small tamarack islands surrounded by low ground. Tamarack is in good condition. Growth rings are impressive. A stream runs between the 2 stands.																																																						
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82	6122 - Black Spruce	Poletimber Well	6.8	73	Unspecified	N/A	Small pocket of black spruce. Stand is in good condition.																																																						
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83	429 - Mixed Upland Conifers	Poletimber Well	12.7	50	1-50	N/A	Small stand of young aspen and jack pine with older black spruce around the edges. A shallow pond exists on the South end of stand.																																																						
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84	629 - Mixed non-forested wetland	Nonstocked	100.5		Unspecified	No																																																							
85	6225 - Bog	Nonstocked	1.8		Unspecified	No	pond is currently holding water but probably dries up in summer.																																																						
86	6122 - Black Spruce	Poletimber Well	11.1	90	Unspecified	N/A	Stand is in tough shape... A considerable amount of blowdown exists within the stand. Blowdown is at least 5yrs. old. Black spruce is not really that old but if we don't harvest for another 10yrs the regen will become thick w/in the openings and more timber will die.																																																						
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87	4136 - Aspen, Mixed Conifer	Sawtimber Well	14.2	76	51-80	N/A	Small stand of mixed species. Aspen & black spruce are showing signs of age. A small strip of pine exists on the south end of stand. A small patch of scotch pine exists in the sw corner of stand. If managed do not cut white pine. Didn't see any oak but leave that too. No reason to save red and jack pine.																																																						
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88	6229 - Mixed lowland shrub	Nonstocked	34.6		Unspecified	No																																									
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89	4139 - Aspen, Mixed Deciduous	Sapling Well	116.2	6	Immature	N/A	Sale 012-11, A few scattered red pine and white pine within the stand with a nice small clump in the NW corner of stand. Stand harvested in winter of 2012-13. Good regen. Cherry brush along road, did not see much for jack pine and black spruce.																																								
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90	122 - Road/Parking Lot	Nonstocked	20.8		Unspecified	No	I-75 corridor, including on/off ramps to Mackinac Trail, and marshes in between.																																								
91	4133 - Aspen, Mixed Pine	Sapling Well	25.1	27	Immature	N/A	Older harvest, group of three nice young aspen stands. Stands has some scattered large white pine throughout. Young jack pine mixed throughout as well.																																								
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93	6122 - Black Spruce	Poletimber Well	4.9	80	51-80	N/A	Three small younger islands of black spruce mixed with some white pine.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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95	429 - Mixed Upland Conifers	Poletimber Well	2.9	89	51-80	N/A	Stand contains low areas with black spruce and higher sand ridges that consist of planted red pine. Stand is in good condition overall.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	12	Pole	11		Red Maple	Low	Variable	Sapling
Black Spruce	43	Pole/Log	10	89	Black Spruce	High	Variable	Sapling
Red Pine	35	Log/Pole	12	57	White Pine	Medium	Variable	Sapling

96	6121 - Tamarack	Poletimber Well	3.5	49	Unspecified	N/A	Two small tamarack islands surrounded by low ground. Tamarack is in good condition. Growth rings are impressive. A stream runs between the 2 stands.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Tamarack	100	Pole	11	49	Black Spruce	Low	Variable	Sapling
					White Pine	Low	Variable	Pole