



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45015

Entry Year 2021

Acreage: 4,761

County Chippewa

Management Area: Drummond Island

Revision Date: 2019-07-24

Stand Examiner: Josh Brinks

Legal Description:

T41N R7E Sections 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27, 28 and 29; Drummond Township

Identified Planning Goals:

This compartment is within the Drummond Island Management Area. Compartment 15, being one of the largest compartments in the SSM Unit, lends itself to diverse forms of management. The southern part of the compartment is within the obligated deer wintering area and various types of cutting have taken place in it over the years, all designed to enhance the winter deer range. Other parts of the compartment, being relatively close to the wintering area, have also been managed with deer in mind. This compartment has over 7 miles of great lakes shoreline, all or part of three inland lakes and associated streams, and a beaver pond so large and permanent that it is named on the county map. The hardwoods in this compartment were greatly impacted by beach bark disease. Most of which were salvaged. The goal in the hardwoods this time around is to monitor the regeneration and try to diversify the hardwood regen where possible. There are also a few scattered patches of mature mixed forests which will be final harvested in order to regenerate aspen.

Soil and topography:

Soils in this compartment are typical of Drummond Island. Generally they are of the Shelter-Posen-Summerville association. These soils are very deep with differing amounts of water retention. Virtually all are well stocked with boulders from 10" to over 50" in diameter. These rocks challenge road construction and improvement. The topography is gently rolling.

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

Private individuals control a good share of the shoreline, breaking up the state ownership. Interior private ownership is limited but present. One large hunting club exists in the south east corner of the compartment. Management in general and deeryard management in particular would be enhanced if certain private holdings could be purchased.

Unique Natural Features:

According to the latest Michigan Natural Features Inventory several species of rare, threatened and or endangered plant and or animal species are listed that inhabit or have inhabited the compartment or the areas immediately adjacent to it. A unique limestone pavement shoreline also exists within the compartment. Karst features are also evident, especially during spring runoff when sizeable streams appear to disappear into cracks in the limestone bedrock. The Great Lakes shoreline is extensive and includes some private land. Management will take into account the potential for any species of plant or animal as listed on the MNFI survey information sheet when conducting treatments.

Archeological, Historical, and Cultural Features:

Found an old note that troughs made of cedar were once found in the hardwoods east of Dickenson Lake that Native Americans used to collect maple sap.

Special Management Designations or Considerations:

Deer yard, inland lakes, Great Lakes shoreline, karst features, and T&E and special concern plants all present in this compartment.

Watershed and Fisheries Considerations:

This compartment contains Bass Lake, Dickenson Lake, and Dickenson Creek. Dickenson Creek is a warm-transitional stream. A 100-foot buffer should be maintained next to these waterbodies.

Wildlife Habitat Considerations:

This compartment is part of the Drummond Island MA where featured wildlife species include black bear, white-tailed deer, snowshoe hare, ruffed grouse, northern goshawk, and sharp-tailed grouse. The majority of the compartment is in obligate deer wintering complex. The compartment is dominated by lowland cedar with a heavy component of aspen/conifer types. Hardwoods are also common in places, some extending north into the next compartment. The compartment includes or borders several lakes and streams, and includes some Great Lakes shoreline.

Prior management included some treatments in aspen and northern hardwood types to maintain the early successional

habitat and diversify hardwoods while also responding to disease issues. Beech bark disease affected stands primarily over the past 5-7 years and harvesting in hardwoods has focused on diseased beech during this time. Cedar has been maintained for cover for wintering deer. These practices will generally continue over the next 10 years. Some aspen and aspen mixed stands will be treated to maintain this cover type for deer, ruffed grouse, snowshoe hare, and other species. Cedar providing cover will be left to maintain this cover for wintering deer. This habitat is important for other wildlife, including numerous migratory birds that stop over to rest and feed during migration. A portion of a northern hardwood stand has declining mature trees and offers an opportunity to monitor different treatment types and resulting effects on the habitat, which may provide useful information for management elsewhere on the island. Lakeshore areas, wetlands, and streams will be left to maintain coastal and riparian habitats.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in this part of the island. There may be some sand & gravel potential on upland areas within the compartment, but glacial sediments are generally thin to absent in this area. There is no known metallic mineral potential in this area. Two oil & gas test wells were drilled in this area prior to 1945 and evaluated down to the Trenton Group. Both were dry holes. There is no known potential for economic hydrocarbon production in the UP. The state does not own much of the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights. Based on interpretation of Michigan statute, most non-metallic minerals are considered part of the surface estate.

Vehicle Access:

Bass Cove Rd. runs through the middle of the compartment from west to east which has several two tracks branching off of them. The portion of the compartment along the lake shore is accessed via a two track at the end of Big Shoal Bay Rd. Although there are many roads in this compartment there are still some areas with very little access either from a lack of roads or from poor road conditions.

Survey Needs:

Surveys will be needed in sections 14 and 18 in order to prepare timber sales. Some areas of this compartment are a challenge to survey because of a lack of control.

Recreational Facilities and Opportunities:

No developed recreational facilities exist within this compartment other than ORV, Jeep, and Snowmobile trails which follow the existing roads in sections 14 and 15. There is a parking area/trail head at the intersection of Bass Cove Rd. and Plywood Camp Rd. but there are not facilities at that location. There is a carry in access site to Dickenson Lake located along the side of Bass Cove Rd. at the south end of the lake. An undeveloped access site exists on Bass Cove which provides access to Lake Huron for paddlers and swimmers.

Fire Protection:

There are plenty of water sources available and the compartment is approx 15 miles from the Detour field office via a 15 minute ferry crossing. There is a lot of WUI in and around this compartment especially along the lake shore. Access off of Bass Cove Rd. may be difficult for large equipment and transports.

Additional Compartment Information:

The following reports from the Inventory are attached:

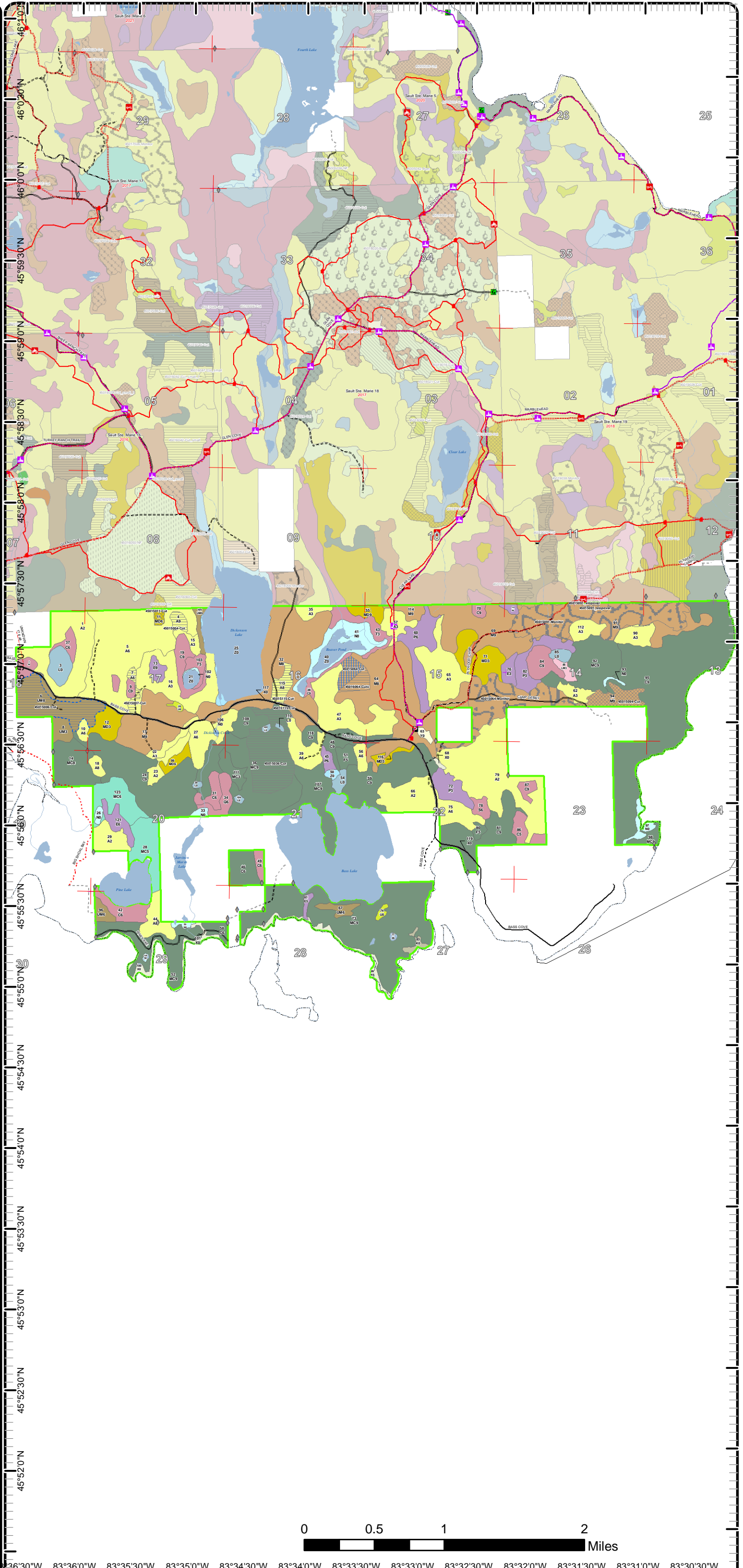
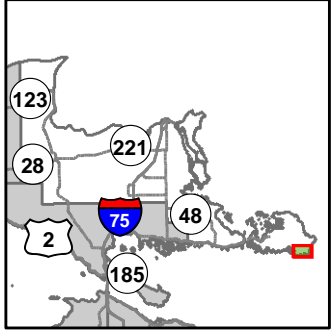
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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: 15
 T41N,R07E, Sec: 13-23, 27-29
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Drummond Island
 YOE: 2021
 Acres: 4,761 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 8/16/2019
 Map Phase: Web Post



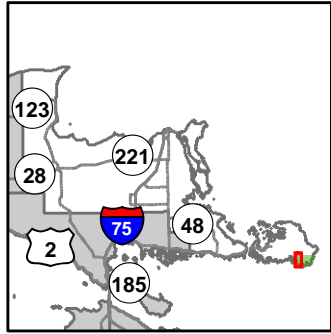
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- + Remonumented Section Corners
- ◆ Field Grade Corners
- ▭ Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- Federal / State / County - Paved Road
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- Parking Lot
- Structures
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▭ Seed Tree (w/Reserves)
- ▭ Regeneration Survey
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- 413 - Aspen
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- 500 - Water
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- 710 - Sand/Soil
- 720 - Exposed Rock
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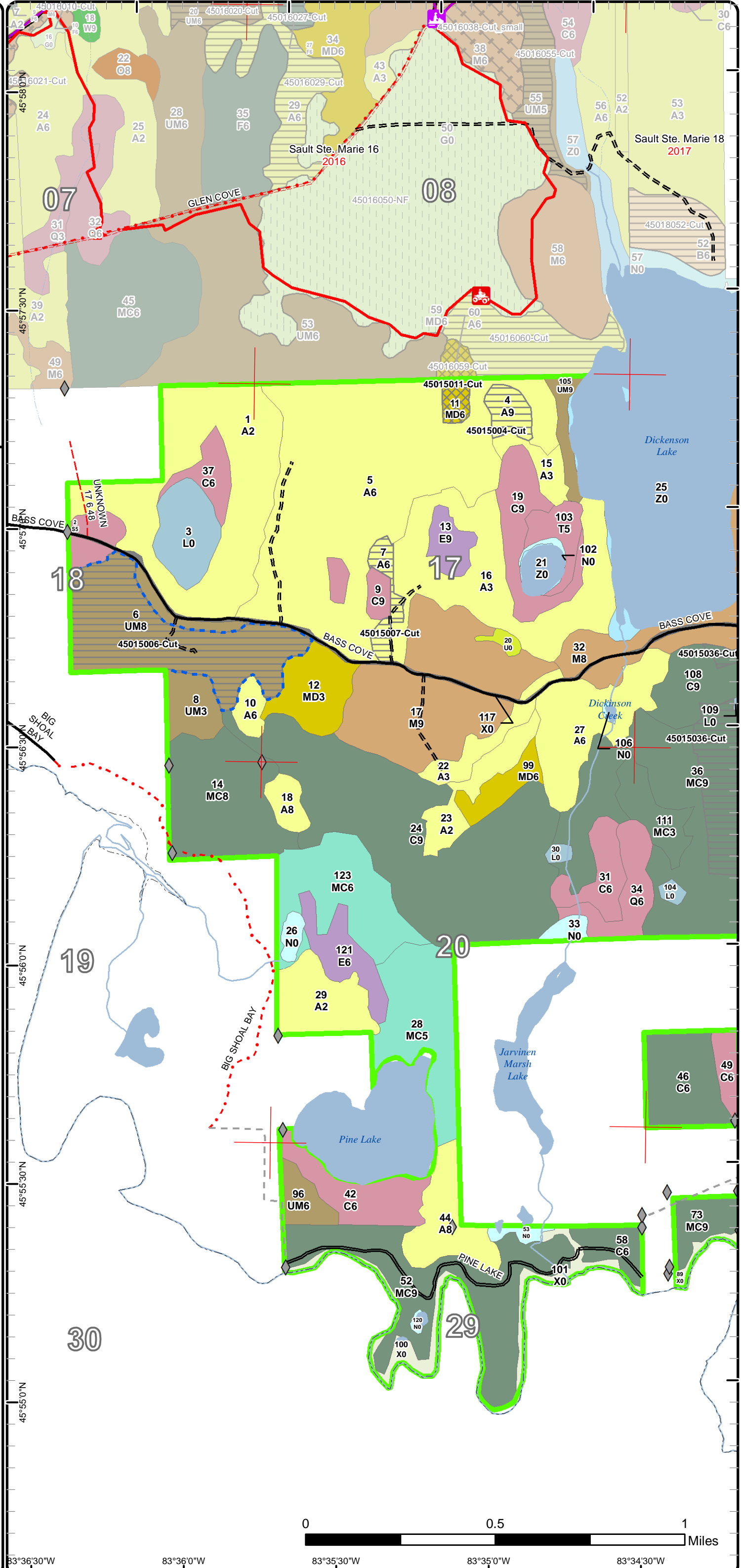
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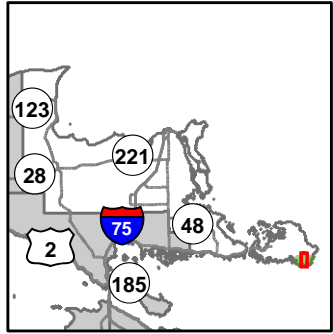


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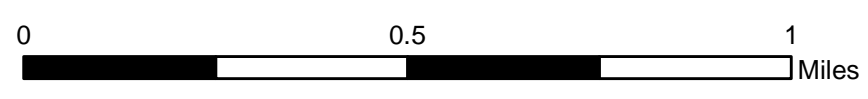
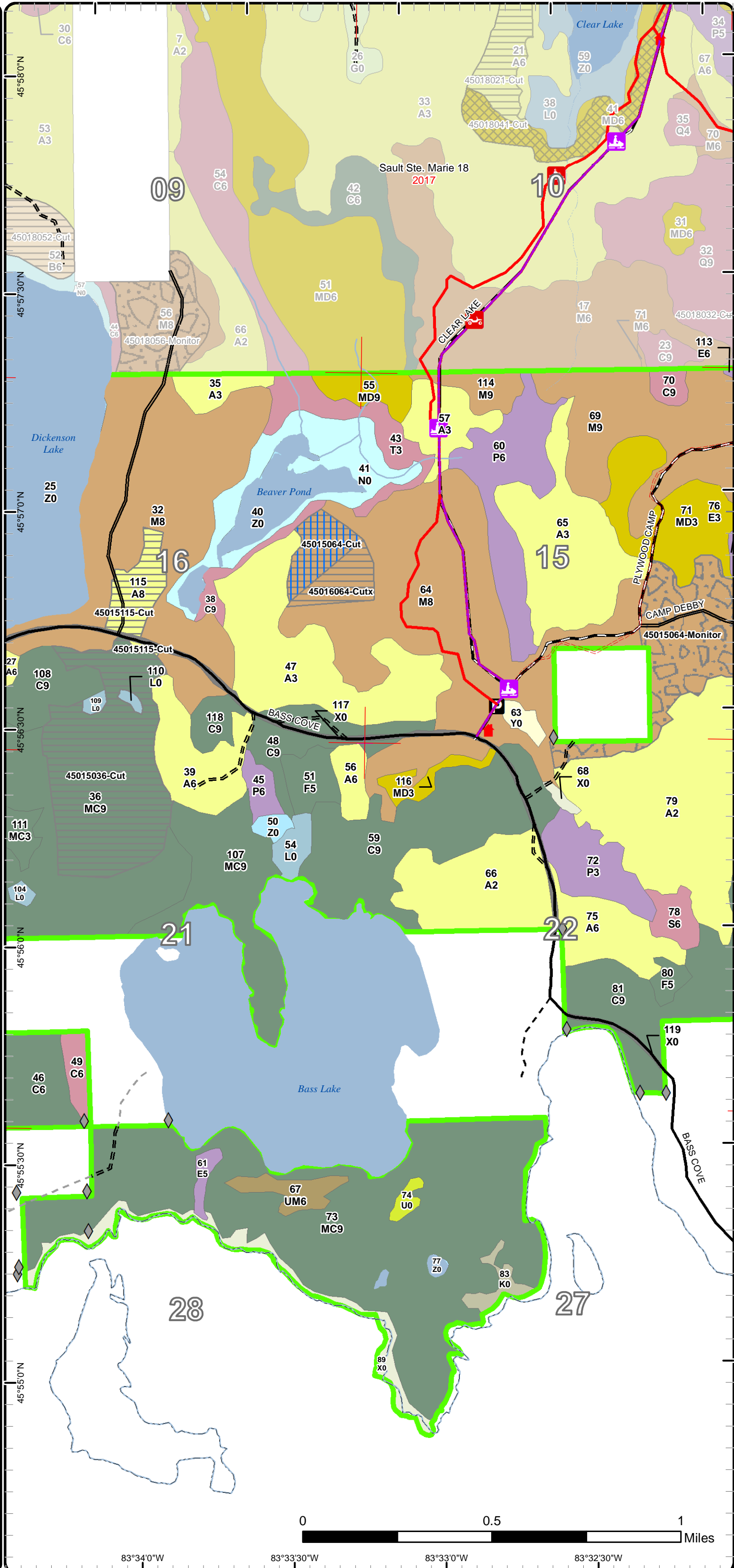


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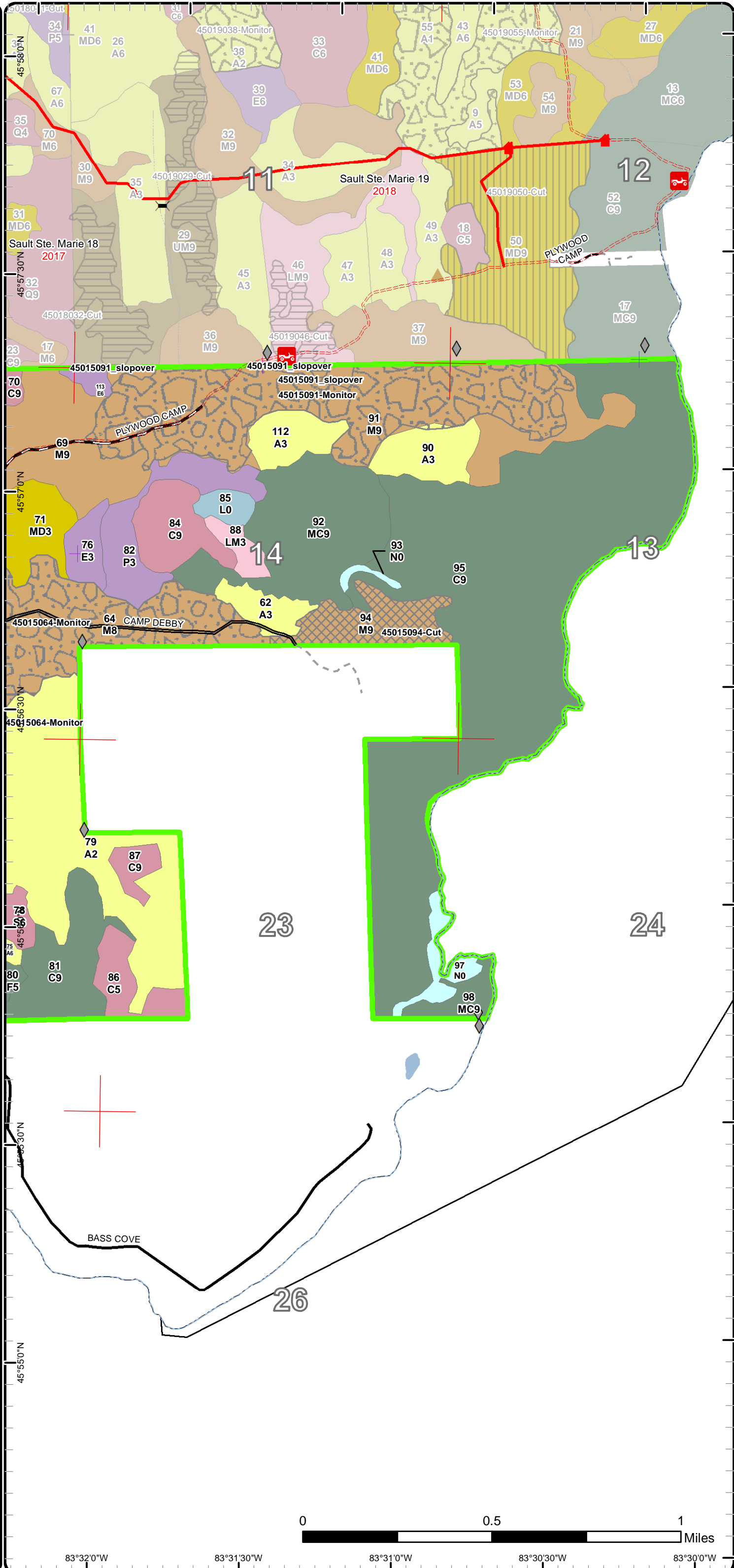
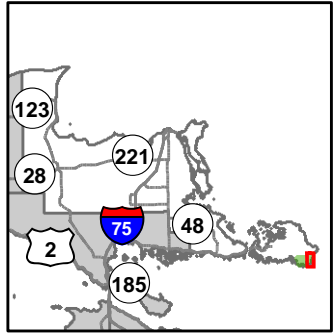
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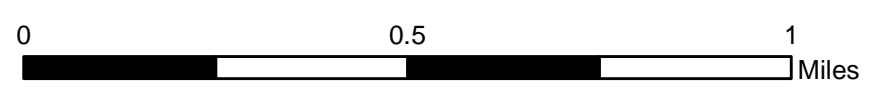
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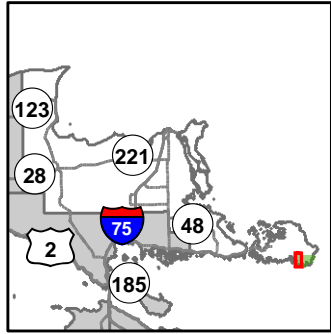
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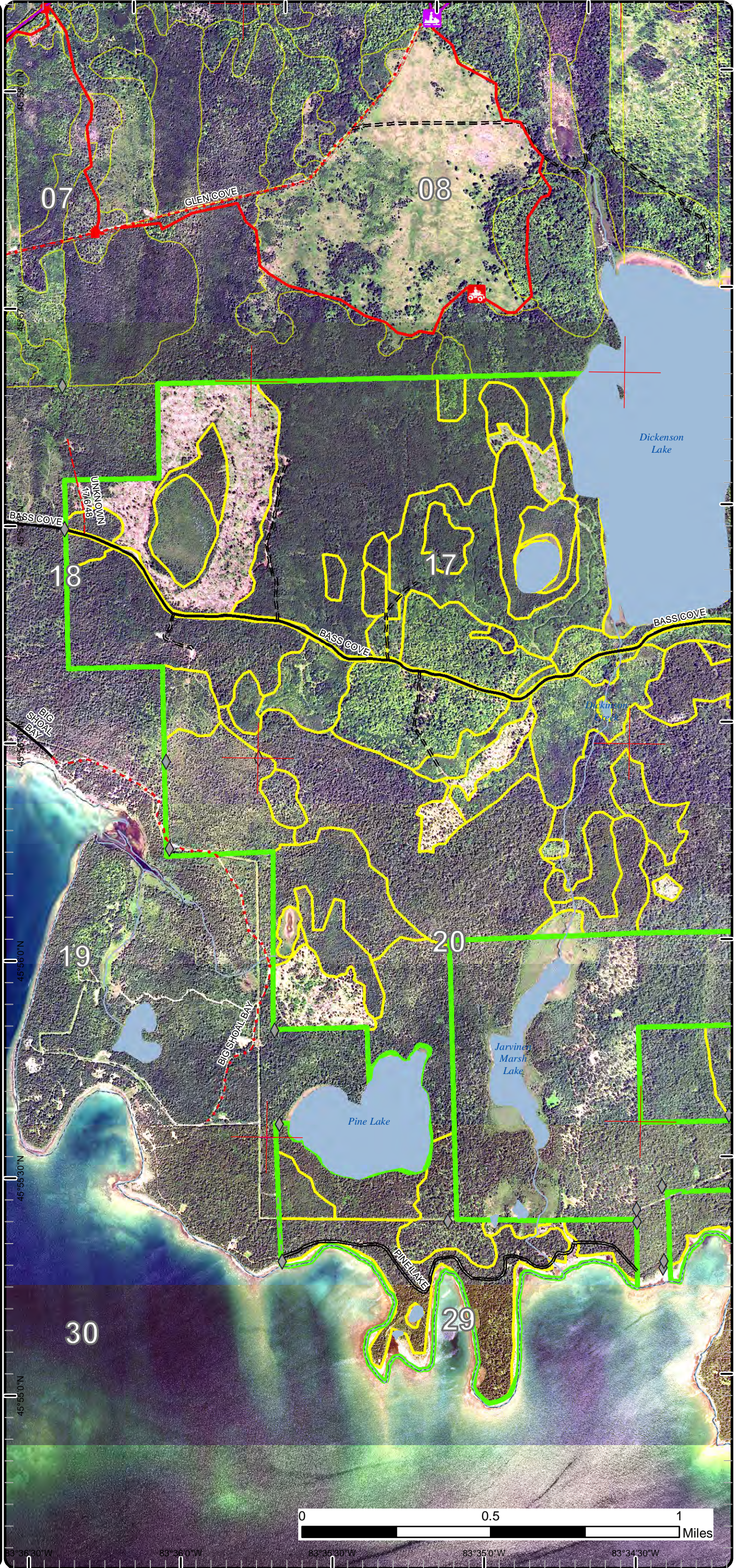
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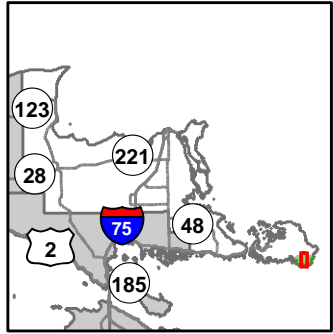


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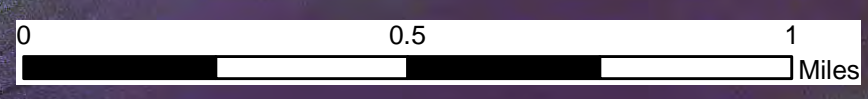
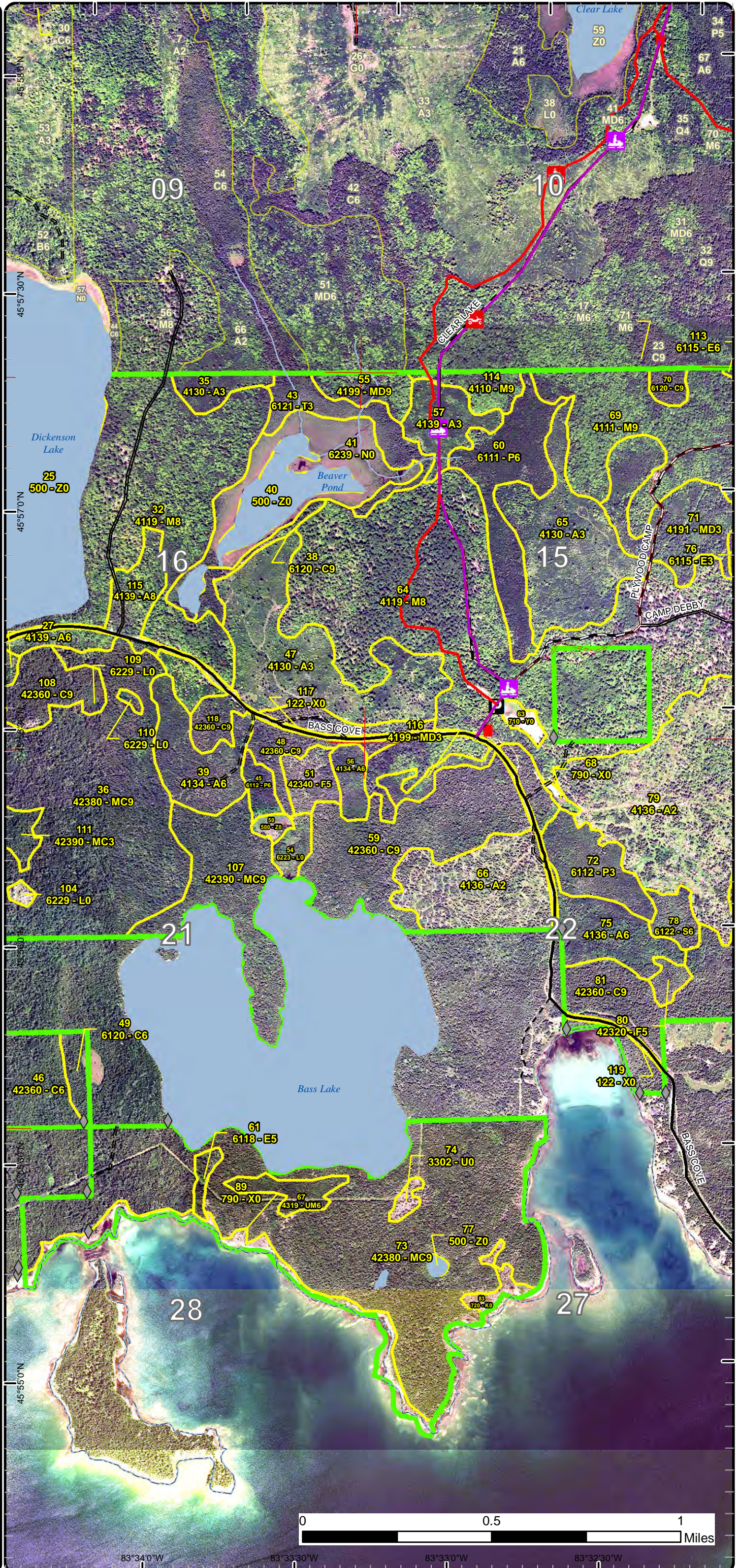


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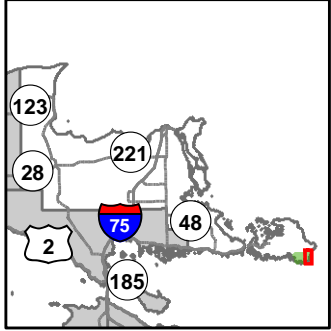
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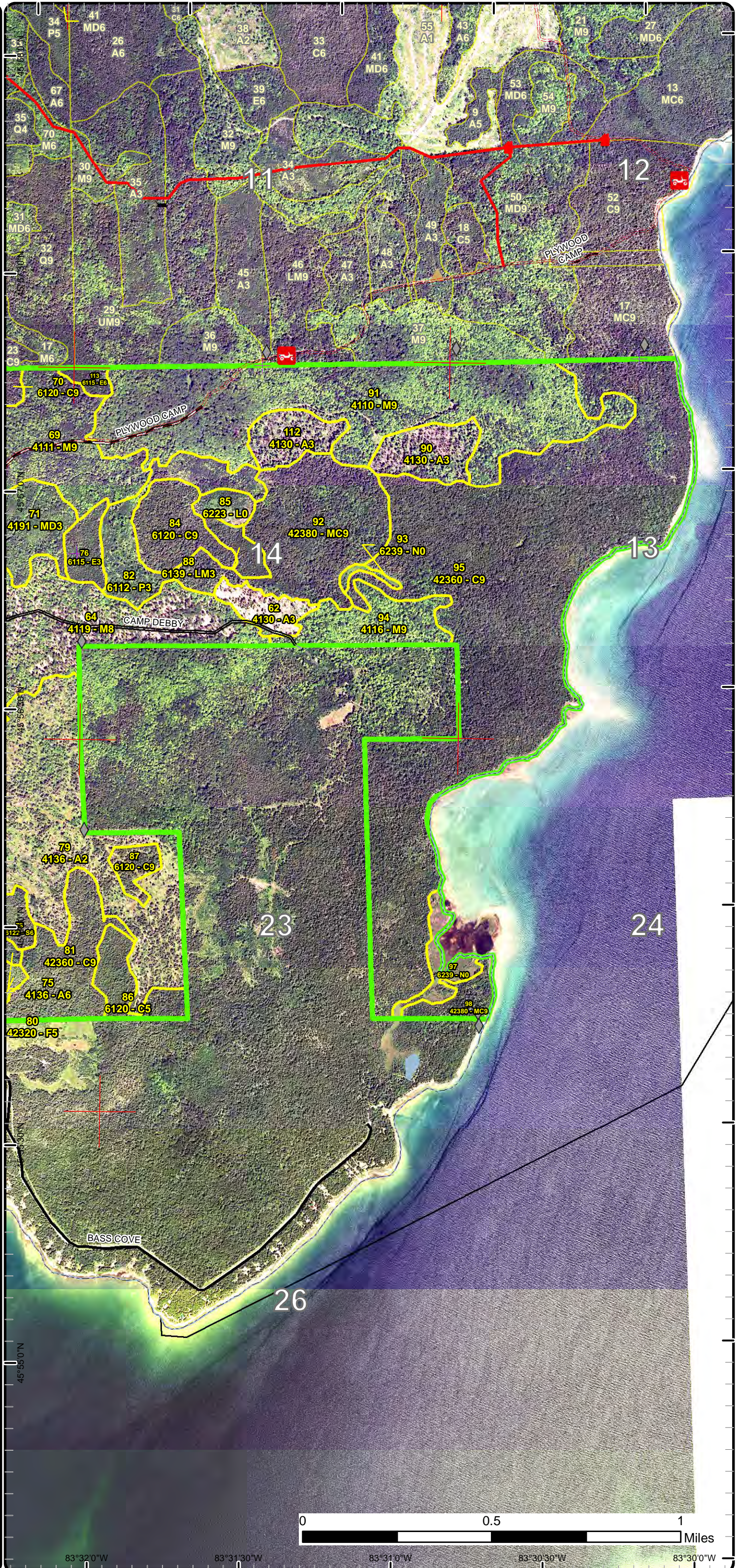
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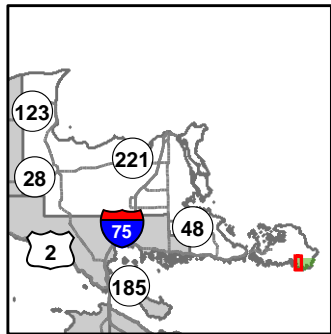


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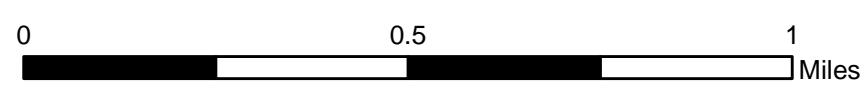
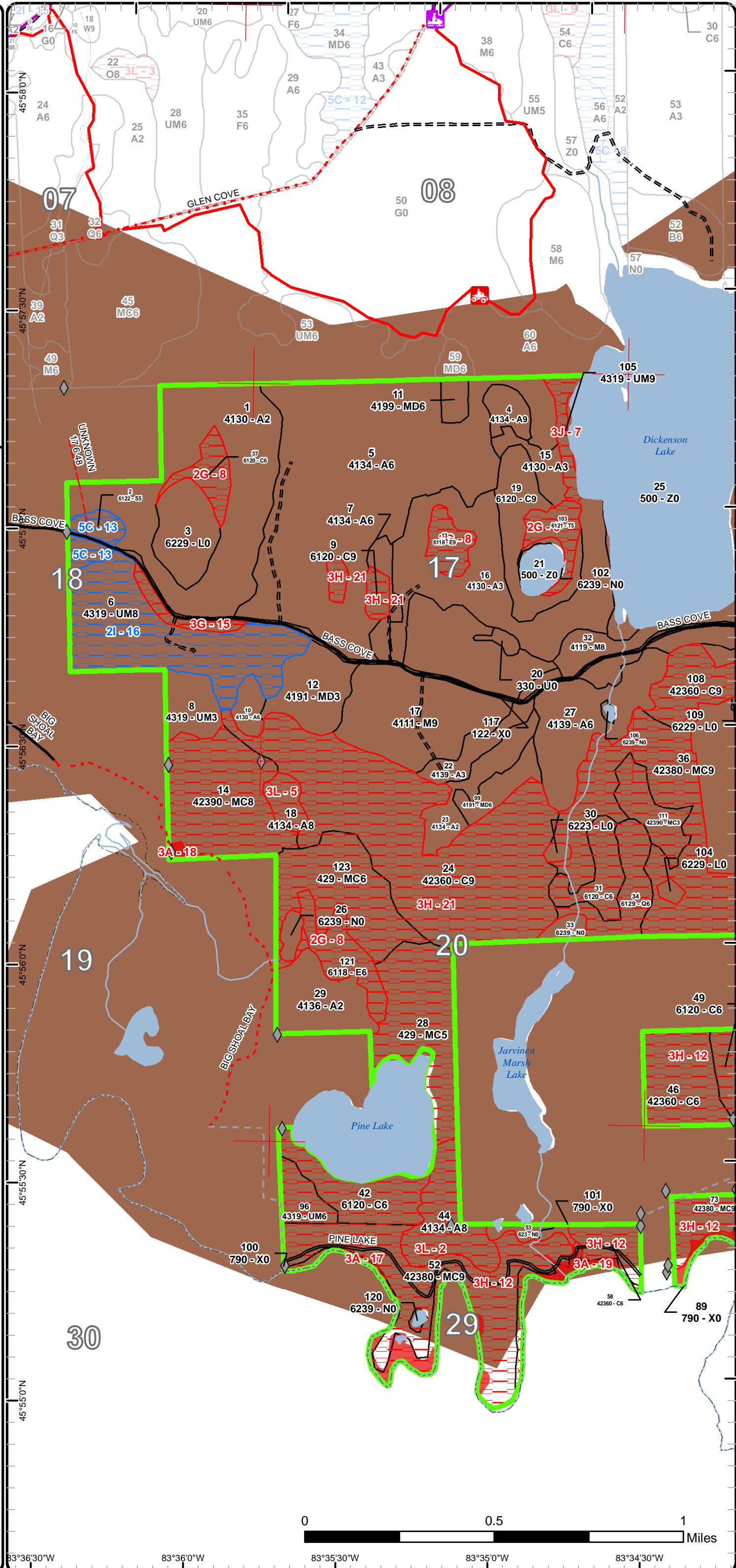


Special Conservation Areas & Site Conditions Map

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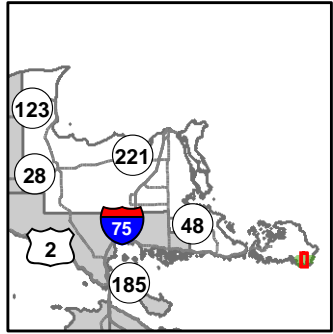
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Ecological Reference Areas
- Deer Winter Range



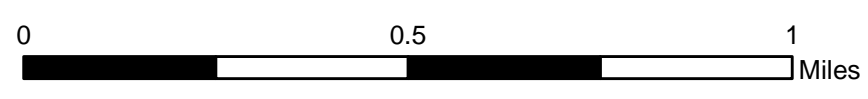
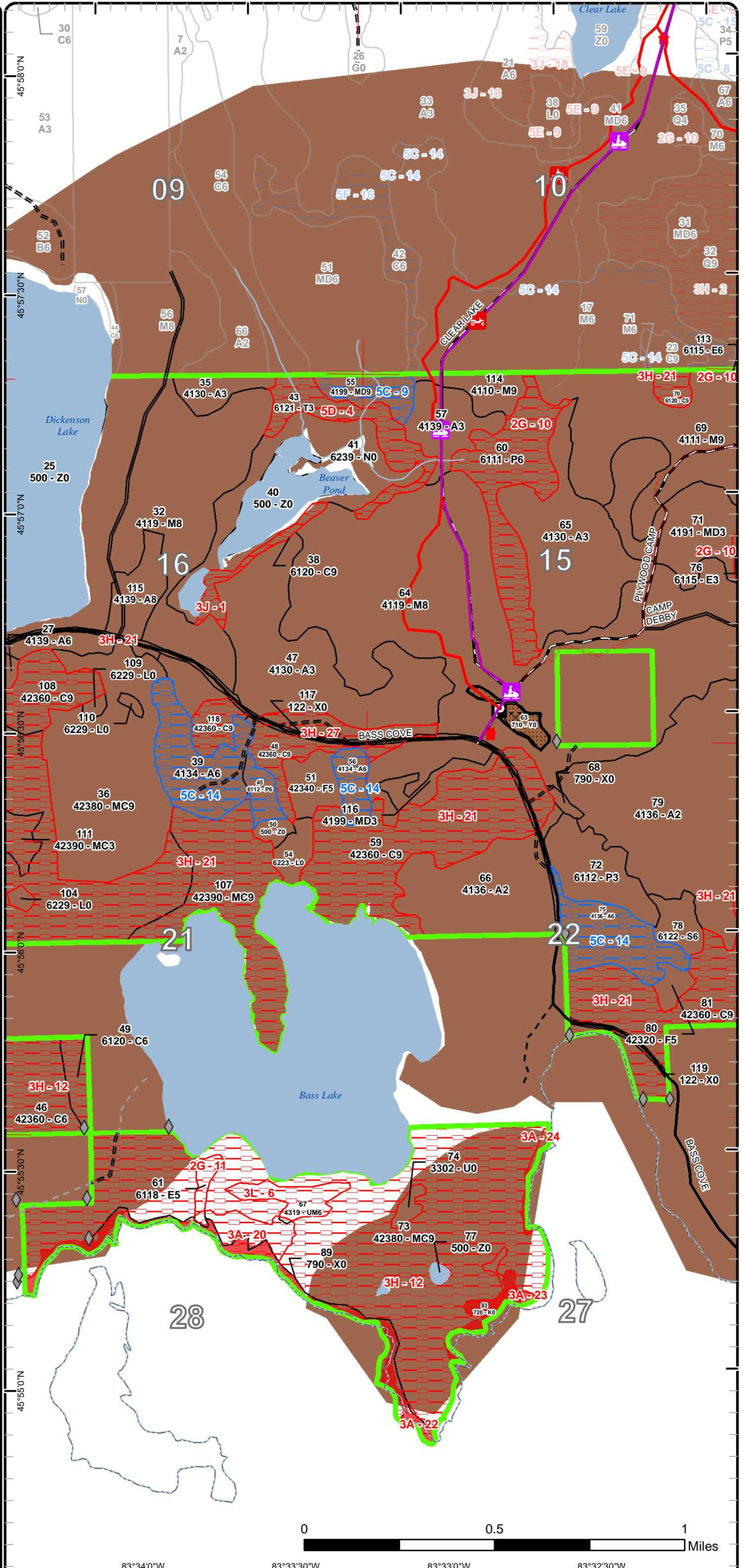
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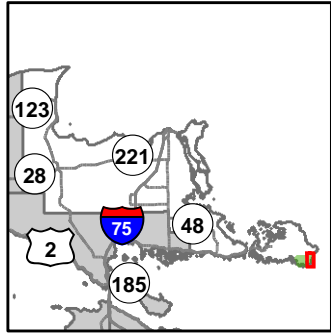
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- Sand or Gravel Pit
- Sand or Gravel Pit



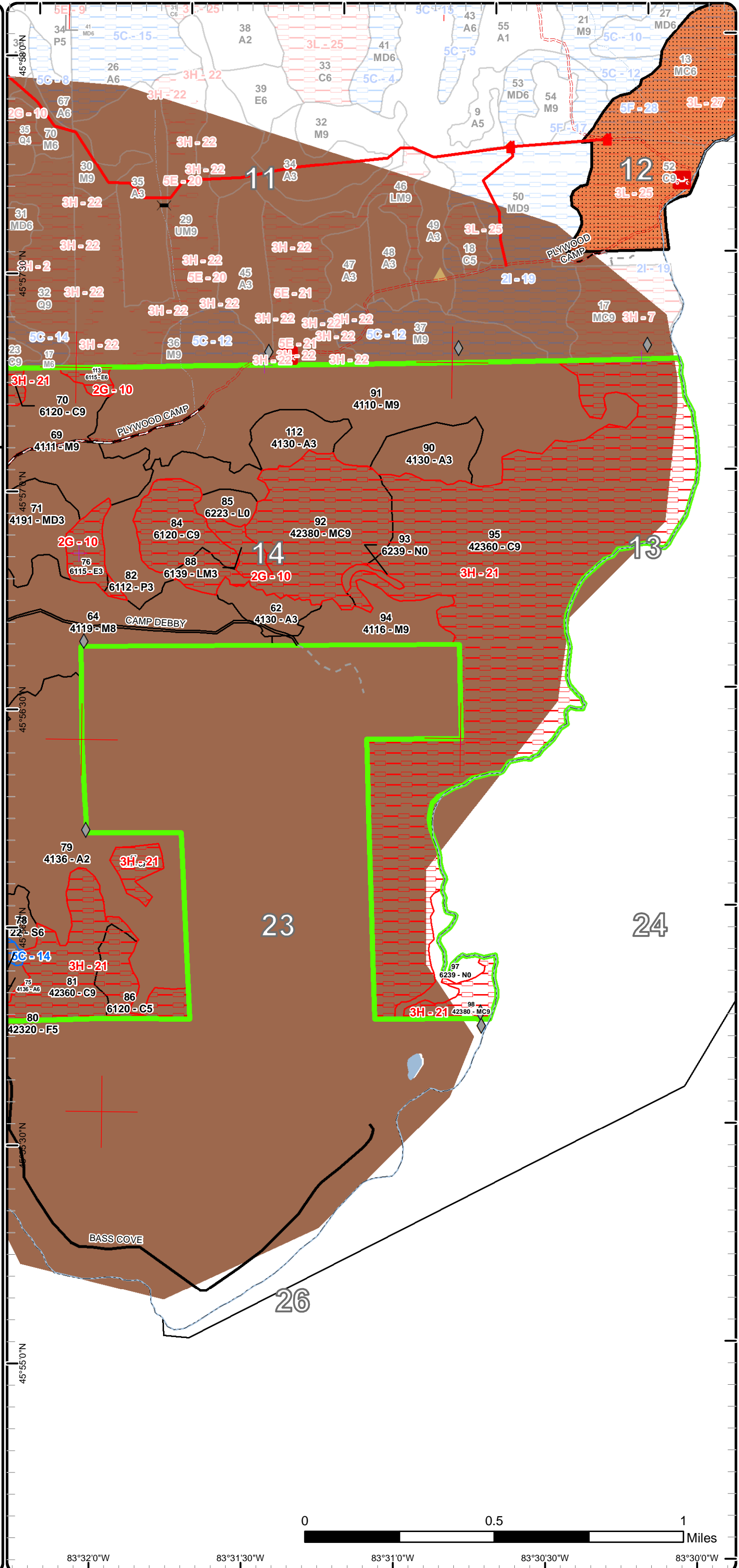
83°34'0"W 83°33'30"W 83°33'0"W 83°32'30"W

Special Conservation Areas & Site Conditions Map

Compartment: 15
 T41N,R07E, Sec: 13-23, 27-29
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Drummond Island
 YOE: 2021
 Acres: 4,761 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 8/16/2019
 Map Phase: Web Post



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- ORV Routes
- Designated ATV
- Designated ORV Route
- Intermittent Stream
- Lake/Pond
- Shoreline
- Lakes and Rivers All
- ▲ Berms
- ✕ Bridges
- Structures
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- SCA
- Deer Winter Range
- Other Habitat Area



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	430	187	89	7	315	0	0	26	35	0	0	0	0	0	0	0	0	1089
Bare/Sparsely Vegetated	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Cedar	0	0	0	0	0	0	0	0	0	12	193	109	368	252	0	6	0	16	955
Exposed Rock	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	0	33	27	0	58	0	0	0	0	0	0	0	0	0	0	0	0	118
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20
Lowland Deciduous	0	0	0	0	0	0	0	10	9	0	12	0	18	0	0	0	0	0	48
Lowland Mixed Forest	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	10	20
Marsh	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Mixed Upland Deciduous	0	0	0	24	47	8	0	0	5	0	14	0	0	0	0	0	0	11	109
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	12	0	357	0	0	0	30	521	919
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Tamarack	0	0	0	0	0	0	0	26	0	0	0	11	0	0	0	0	0	0	37
Upland Conifers	0	0	0	0	0	0	57	0	0	0	221	140	186	269	0	0	0	0	872
Upland Mixed Forest	0	0	0	15	22	0	0	0	90	0	0	0	0	0	0	0	0	0	127
Upland Spruce/Fir	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	18
Urban	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Water	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
Total	422	430	220	155	76	407	57	36	141	47	452	280	929	521	0	6	30	558	4761



Report 2 – Treatment Summary

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

Compartment 15
Total Compartment Acres: 4,761

Acres of Harvest

Commercial Harvest - 189
Harvests with Site Condition - 75
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	26	0	0	0	0	0	0	0	0	26
Mixed Upland Deciduous	0	5	0	0	0	0	0	0	0	5
Northern Hardwood	15	30	0	15	0	0	0	0	0	60
Upland Conifers	98	0	0	0	0	0	0	0	0	98
Upland Mixed Forest	75	0	0	0	0	0	0	0	0	75
Total	213	36	0	15	0	0	0	0	0	264

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	264	0	0	0	0	0	244	0	0	508
Next Step	0	0	0	0	0	0	264	0	0	264
Total	264	0	0	0	0	0	508	0	0	772



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
4	45015004-Cut	8.4	4134 - Aspen, Spruce/Fir	Sawtimber Well	74	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees down to 2". Do not cut oak, pine, cedar, hemlock or yellow birch. No need for retention due to small acreage.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, spruce, fir, maple, oak, pine and cedar.											
<u>Other Comment:</u> Harvest with stand to the north in compartment 18.											
<u>Proposed Start Date:</u> 10/1 /2022											
6	45015006-Cut	74.7	4319 - Mixed Upland Forest	Sawtimber Medium	79	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat Cut: No			Site Condition: Survey Needed								
<u>Prescription</u> Cut all trees down to 2" in diameter to promote young early successional habitat for deer, ruffed grouse, snowshoe hare, and other wildlife. If there are large pockets of unmerchantable trees the logger may chose to work around them and does not have to cut the trees in the unmerchantable patch down to 2". Leave a 1/2 acre retention patch for every 10 acres being cut 3.5-4 acres of retention to maintain some mature trees for roosting, budding, and cover. Focus retention patches around areas of cedar like that in the east end of the treatment or other representative locations. Winter cut Dec.1 to March 31 for wintering deer.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes aspen, spruce, fir, maple, birch, cedar, and pine.											
<u>Other Comment:</u> Recommend the road for closure and have the logger berm it off when sale is complete.											
<u>Proposed Start Date:</u> 10/1 /2020											
7	45015007-Cut	8.4	4134 - Aspen, Spruce/Fir	Poletimber Well	45	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees down to 2" except do not cut oak, pine, cedar, hemlock or yellow birch. Winter cut between Dec. 1 and March 31. No retention needed due to small acreage.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, spruce, fir, maple, oak, cedar and pine.											
<u>Other Comment:</u> Treatment shape may vary to include as much of the mature aspen that remain in this strip.											
<u>Proposed Start Date:</u> 10/1 /2020											
11	45015011-Cut	5.2	4199 - Other Mixed Upland Deciduous	Poletimber Well	78	81-110	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Remove all aspen and birch from the stands and thin the hardwoods to 70 basal area.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, oak, spruce, fir and pine.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2022											



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
36	45015036-Cut	97.9	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	99	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Put red line around cedar patches to be left for retention to maintain cover for wintering deer. Outside of these patches cut all trees down to 2" to maintain early successional habitat for deer, grouse, and other species. Do not cut oak, pine, hemlock and yellow birch to maintain stand diversity and food sources. Also clumps of cedar are to be marked out and left for cover. Winter cut from Dec. 1 to March 31 for wintering deer. The treatment size and boundaries will vary once the sale is laid out.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, spruce, fir, cedar and pine.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
64	45015064-Cut	15.0	4119 - Mixed Northern Hardwoods	Sawtimber Medium	110	81-110	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees down to 2" in DBH. Mark 20 BA of hardwood trees to leave, it is okay for them to be left in patches rather than uniformly scattered across the treatment area.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes aspen, maple, birch, beech, oak, pine, ash.											
<u>Other Comment:</u> This is being prescribed because of the decline in this stand. This site provides an opportunity to test 2 treatments and no treatment (control) for effects on the regeneration and resulting habitat.											
<u>Proposed Start Date:</u> 10/1 /2020											
64	45015064-Monitor	102.3	4119 - Mixed Northern Hardwoods	Sawtimber Medium	110	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Regen check as per the work instructions.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes maple, oak, beech, ironwood, ash, pine, cedar.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2024											
91	45015091_slo pover	1.3	4110 - Sugar Maple Association	Sawtimber Well	110	51-80	Harvest	Clearcut with Retention	4110 - Sugar Maple Association	Uneven-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all deciduous trees that are 2" or more in DBH and all conifers that are 4" or more in DBH. Do not cut cedar, pine, hemlock, oak and yellow birch. Stay out of areas of cedar. Leave brush piles for hare. Try to cut all areas of aspen that are operable within the stand boundary. This treatment size will vary once cedar areas are dropped.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, pine, cedar, spruce, hemlock and fir.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2017											



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
91	45015091-Monitor	141.9	4110 - Sugar Maple Association	Sawtimber Well	110	51-80	Monitoring	Natural Regen (Intermediate)	4110 - Sugar Maple Association	Uneven-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Regen Check as per the work instructions

Specs:

Next Step

Treatments:

Acceptable Acceptable regen includes maple, birch, beech, ash, hemlock, pine, cedar aspen, spruce and fir.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/1 /2024

94	45015094-Cut	30.3	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	160	81-110	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Leave all cedar, oak, hemlock, yellow birch and pine for wildlife and for diversity. Leave all sugar maple unless there are areas with higher than 80 BA, these should be marked for thinning. There is a vernal feature along the north edge of the stand this should be buffered by a tree length to maintain habitat for amphibians.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

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

Regen:

Other The boundary between state and Camp Debby needs to be surveyed. There is a large rock with plaques on it that needs to be protected if it end up being on state land.

Comment:

Proposed Start Date: 10/1 /2020

115	45015115-Cut	17.7	4139 - Aspen, Mixed Deciduous	Sawtimber Medium	78	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees down to 2" to maintain early successional habitat for deer, grouse, and other wildlife except do not cut oak, cedar, hemlock, yellow birch or pine to maintain food sources, cover, and diversity. Winter cut from December 1st-March 31st for wintering deer.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen include aspen, birch, maple, cedar, pine, oak, spruce and fir.

Regen:

Other Treatment shape may vary to include as much of the aspen in this area as reasonably possible.

Comment:

Proposed Start Date: 10/1 /2020

59	45016059-Cut	5.2	4199 - Other Mixed Upland Deciduous	Poletimber Well	76	51-80	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all aspen and birch from the stands and thin the hardwoods to 70 basal area.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes aspen, birch, maple, oak, spruce, fir and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2022



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
64	45016064-Cutx	13.3	4119 - Mixed Northern Hardwoods	Sawtimber Medium	110	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Cut all trees down to 2" in DBH. Leave 1 one acre retention patches concentrating on spots of more dense, healthy looking trees.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Acceptable regeneration includes aspen, maple, birch, beech, oak, pine, ash.

Other Comment: This is being prescribed because of the decline in this stand. This site provides an opportunity to test 2 treatments and no treatment (control) for effects on the regeneration and resulting habitat.

Proposed Start Date: 10/1 /2020

Total Treatment Acreage Proposed: 521.6

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions											
		With Condition	Not Available		2I	5C	2G	3A	3G	3H	3J	3L	5D		
1088	979	74	35	Aspen		74					0			35	
48	7	0	41	Bare/Sparsely Vegetated				10			31				
955	27	0	928	Cedar			11	0			908	8	0		
7	4	0	2	Exposed Rock				2							
6	6	0	0	Low-Density Trees											
118	59	7	52	Lowland Aspen/Balsam Poplar		7	52								
19	0	0	19	Lowland Conifers							19				
48	0	0	48	Lowland Deciduous			48	1							
8	0	0	8	Lowland Mixed Forest			8								
46	46	0	0	Lowland Shrub											
20	10	10	0	Lowland Spruce/Fir		10									
80	79	0	1	Marsh							1				
109	95	14	0	Mixed Upland Deciduous		14									
920	920	0	0	Northern Hardwood											
5	5	0	0	Sand, Soil											
37	0	0	37	Tamarack			11								26
875	100	0	774	Upland Conifers			0	14			760		0		
126	15	75	37	Upland Mixed Forest	75			0	6	10	9	11			
18	18	0	0	Upland Spruce/Fir											
30	22	0	8	Urban							8				
200	200	0	0	Water											
4,763	2,591	180	1,992	Total Forested Acres	75	105	130	27	6	1,740	18	46	26		
	54%	4%	42%	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	3J: Water quality / BMPs (stream, river, or lake)	9	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Buffer strip along the wetland edge that also provides winter cover for deer							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

2	Unavailable	3L: Other wildlife concerns	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WLD does not want to harvest this close to the shoreline							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	3J: Water quality / BMPs (stream, river, or lake)	5D: Unproductive Forest Land	Unspecified	Unspecified
Comments: The merchantable portion of this stand is too wet to harvest the rest is unproductive and/or a good buffer along the lake.							
4	Unavailable	5D: Unproductive Forest Land	26	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3L: Other wildlife concerns	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Because of the small acreage WLD would prefer to not push a road across deer yard to get to this stand.							
6	Unavailable	3L: Other wildlife concerns	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WLD does not want harvesting this close to the lake.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	451	2B: Unknown if access through adjacent landowner(s) is possible	3L: Other wildlife concerns	Unspecified	Unspecified
Comments: Lots of cedar in these stand in the deer yard. In the mixed areas WLD does not want to harvest this close to the shoreline.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: DBH is not quite there yet.							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Age indicates that this stand is ready to harvest but the size of the trees says otherwise.							
15	Unavailable	3G: Other Influence zones - See comments	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is being left because the cc to the north has not greened up yet and to provide a buffer along the road. In the future when everything grows up this may be cut.							
16	Available	2I: Survey needed	75	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
18	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

19	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
20	Unavailable	3A: Conservation Values incompatible with harvest at this time	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
21	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	1,249	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
23	Unavailable	3A: Conservation Values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 15

Year of Entry: 2021

24	Unavailable	3A: Conservation Values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
27	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							



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
Chippewa County Road Commission	Mineral Resource Area	Sand or Gravel Pit	SCA	7
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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	4130 - Aspen	Sapling Medium	97.4	4	Immature	N/A	Sale-016-11 cut in 2015, cedar reserved as well as some maple, birch and pine. A lot of the cedar has blown over. Regen is spotty in this stand but I think it will fill in over time. Some of the low areas and main skid trails have grass/cattails and very little regen.																																																						
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2	6122 - Black Spruce	Poletimber Medium	10.5	79	51-80	N/A	Stand is lower than the surrounding land is seasonably wet but not too much to prevent harvesting. Open canopy of spruce with some pine and aspen. the understory is thick with cedar fir and deciduous shrubs.																																																						
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3	6229 - Mixed lowland shrub	Nonstocked	23.3			No	Seasonably flooded shrub stand.																																																						
4	4134 - Aspen, Spruce/Fir	Sawtimber Well	8.4	74	111-140	N/A	This stand was originally set up with the stand to the south but the logger missed this area. It is mature aspen and spruce/fir with scattered cedar.																																																						
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5	4134 - Aspen, Spruce/Fir	Poletimber Well	189.9	45	81-110	N/A	The ground varies in this stand from nice upland rides to low areas with balsam poplar and tag alder. There were strips cut in this stand back in the day but they are hard to pick out anymore as most of the aspen has blown over and regenerated. Some mature patches can still be found but are small and not worth chasing around.																																																						
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6	4319 - Mixed Upland Forest	Sawtimber Medium	80.6	79	81-110	N/A	Super variable stand that has an open canopy dominated by aspen and spruce with pine and cedar. The understory is very thick with spruce and fir that hurts to walk through. Some areas of closed canopy which has less dense understory. I think the aspen has already started to fall out of this stand making pockets of sapling/small pole size trees.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
7	4134 - Aspen, Spruce/Fir	Poletimber Well	8.4	45	81-110	N/A	The ground varies in this stand from nice upland rides to low areas with balsam poplar and tag alder. There were strips cut in this stand back in the day but they are hard to pick out anymore as most of the aspen has blown over and regenerated. Some mature patches can still be found but are small and not worth chasing around.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Quaking Aspen		40	Pole/Sapling	6	45	Balsam Fir		Medium	Variable	Sapling
Balsam Fir		13	Pole/Sapling	5		White Spruce		Low	Variable	Sapling
White Spruce		10	Pole	6		Tag Alder		Low	5 - 10 feet	Tall Shrub
Balsam Poplar		10	Pole	6		Hazelnut (Beaked)		Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen		10	Pole	8						
8	4319 - Mixed Upland Forest	Sapling Well	14.6	22	Immature	N/A	Cut as part of Dickenson Lake pulp. Sapling size aspen stand with conifers scattered. The stand is on rocky ground with out much soil. Some scattered pole size aspen left from pre harvest along with scattered cedar and red pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Quaking Aspen		48	Sapling	2	22	Balsam Fir		Medium	5 - 10 feet	Sapling
Balsam Poplar		10	Sapling	1		Juniper		Low	5 - 10 feet	Tall Shrub
Balsam Fir		20	Sapling	2		Red Pine		Trace	< 5 feet	Sapling
White Spruce		20	Sapling	2	22					
9	6120 - Lowland Cedar	Sawtimber Well	8.3	99	171-200	N/A	Pair of cedar strip cut remnants of pure cedar with very little in the understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Northern White Cedar		98	Log/Pole	10	99	Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub	
10	4130 - Aspen	Poletimber Well	6.6	39	81-110	N/A	Stand is now pole sized and is doing well. Aspen ranges from 7-12 inches.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Quaking Aspen		70	Pole/Log	9	39	Sugar Maple		Medium	Variable	Sapling
Balsam Fir		10	Pole	7		Balsam Fir		Medium	Variable	Sapling
Bigtooth Aspen		15	Pole	7		Striped Maple	Low	Variable	Sapling	
11	4199 - Other Mixed Upland Deciduous	Poletimber Well	5.2	78	81-110	N/A	What a neat place!! Mature white birch, big tooth aspen and hard maple poles. The birch is starting to decline in this stands. The ground is quite rocky.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Sugar Maple		45	Pole/Log/Sap	9	78	Sugar Maple		Low	Variable	Sapling
Paper Birch		33	Pole/Log/Sap	9		Striped Maple		Low	< 5 feet	Sapling
Bigtooth Aspen		15	Log	16		Ironwood	Low	< 5 feet	Sapling	
12	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	23.6	24	Immature	N/A	Cut as part of Dickenson Lake Pulp. Younger aspen stand that is doing well. Some scattered oak trees throughout. Decent coble/gravel in this stand. Big drop off along southern border of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Quaking Aspen		30	Sapling	3	24	Deciduous Shrubs		Medium	Variable	Tall Shrub
Balsam Poplar		20	Sapling	2	24	Aspen (spp.)		Medium	Variable	Sapling
Balsam Fir		20	Sapling	2		Balsam Fir	Medium	5 - 10 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13	6118 - Lowland Deciduous with Cedar	Sawtimber Well	9.7	60	51-80	N/A	This stand has a log size mix of cedar, aspen and spruce around the edges and a core of sapling/pole size paper birch, yellow birch and black ash. Super wet.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Log/Pole	12	
Balsam Poplar	10	Pole	12	
Northern White Cedar	20	Log/Pole	12	100
Black Ash	20	Sapling/Pole	4	60
Yellow Birch	10	Sapling/Pole	4	
Paper Birch	20	Sapling/Pole/Log	4	

Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Deciduous Shrubs	Medium	Variable	Tall Shrub
Black Ash	Low	5 - 10 feet	Sapling

14	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Medium	57.2	54	51-80	N/A	Shallow thin layer of soil over top of rocks. Very open canopy of spruce and cedar over top of a thick understory of conifers dominated by cedar. There is a small lowland area along the road with tamarack mixed in.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	6	
White Spruce	12	Pole/Log	9	
Black Spruce	30	Pole	7	
Northern White Cedar	35	Log/Pole	12	54

Canopy Species	Density	Avg. Height	Size
Northern White Cedar	High	5 - 10 feet	Sapling
Black Spruce	Medium	5 - 10 feet	Sapling
Balsam Fir	High	5 - 10 feet	Sapling
Balsam Poplar	Low	5 - 10 feet	Sapling

15	4130 - Aspen	Sapling Well	9.3	4	Immature	N/A	Sale 016-11, regen full already
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	75	Sapling	1	4
Balsam Fir	10	Sapling	1	
Balsam Poplar	10	Sapling	1	

Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub

16	4130 - Aspen	Sapling Well	76.2	22	Immature	N/A	Cut as part of Dickenson Lake Pulp. Stand is doing very well, the trees are in the 2-3 in range on average but a few aspen have made it to pole size. Scattered larger trees throughout the stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling	2	
Quaking Aspen	50	Sapling	2	22
Bigtooth Aspen	10	Sapling	2	
Northern White Cedar	10	Pole	6	
Balsam Poplar	10	Sapling	2	

Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
White Spruce	Medium	Variable	Sapling
Deciduous Shrubs	Medium	Variable	Tall Shrub
Dogwood (spp.)	Low	5 - 10 feet	Tall Shrub
Aspen (spp.)	Medium	5 - 10 feet	Sapling
Striped Maple	Trace	5 - 10 feet	Sapling
Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub
Sugar Maple	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
17	4111 - S.Maple, Hard Mast Association	Sawtimber Well	89.6	110	51-80	N/A	Sale 45-005-02-01, select cut in 2002, regen good in places, sparse in others. Sale 45-005-14-01 Dickenson Lake Beech cut in fall of 2015, beech salvage. This is an old log size stand that does not have much in the middle size classes. There is a decent about of advanced maple regen that is 20'+ tall. Under that the beech is starting to fill in especially in places where the salvage opened up the canopy. As with most hardwood stands on Drummond the fringes get mixed with aspen and spruce.																																													
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18	4134 - Aspen, Spruce/Fir	Sawtimber Medium	7.9	89	51-80	N/A	Mature pocket of aspen and other mix with red and white pine																																													
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19	6120 - Lowland Cedar	Sawtimber Well	25.5	101	141-170	N/A	Log size cedar stand surrounding the lake. Many drainages both leaving and entering the lake.																																													
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20	330 - Low-Density Trees	Nonstocked	2.6		Unspecified	No																																														
21	500 - Water	Nonstocked	7.7			No																																														
22	4139 - Aspen, Mixed Deciduous	Sapling Well	12.8	22	Immature	N/A	Cut as part of Dickenson Lake Pulp. Aspen is doing well with some fir and spruce in the understory. Nice frog pond in this stand just west of the road. Ridge along the southern border of the stand.																																													
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23	4134 - Aspen, Spruce/Fir	Sapling Medium	18.1	4	Immature	N/A	Sale 016-11, cut in 2015. Cedar was retained but most of it has blown over causing quite the mess to walk through especial in the south west corner of the stand. The regen is doing okay but areas along the main skid trail do not look that great.																																													
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24	42360 - Upland Cedar	Sawtimber Well	150.7	99	141-170	N/A	The cedar and aspen in this canopy are very large. In most areas there is little in the understory but there are a few places where the canopy is open and very thick conifer regen is filling in. The cedar in this stand is too thick and there is very little to no opportunity to harvest. Most of the stand I walked through was high and dry except for a few small pockets of wet ground.																																																				
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25	500 - Water	Nonstocked	161.1			No	Dickenson Lake																																																				
26	6239 - Mixed Emergent Wetland	Nonstocked	3.9			No	This stand is flooded in the spring and dries out as the summer progresses.																																																				
27	4139 - Aspen, Mixed Deciduous	Poletimber Well	42.3	44		N/A	Contains Dickenson Creek and a pond, very picturesque. The stand is a young mix of aspen and sugar maple. The area to the east of the pond has more conifer mix in. Along the creek there is large cedar and aspen. There is a small area of cedar saplings in the north east corner of the stand along the secondary drainage that leaves Dickenson Lake.																																																				
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28	429 - Mixed Upland Conifers	Poletimber Medium	48.4	110	1-50	N/A	Open canopy stand of spruce and cedar with thick fir and cedar in the understory.																																																				
29	4136 - Aspen, Mixed Conifer	Sapling Medium	26.8	4	Immature	N/A	Sale 019-11 cut in 2015, cedar and pine reserved and random mature trees of various species. Regen is doing well as far as Drummond aspen goes. It is taking a bit longer in the low areas in the middle of the stand which have a thick layer of marsh grasses. The stand contains a ridge with nice gravel. Some areas of sapling and small pole size balsam fir left during the harvest.																																																				
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30	6223 - Inundated Shrub Swamp	Nonstocked	1.9			No																																																					
31	6120 - Lowland Cedar	Poletimber Well	16.2	109		N/A	Thick stand of pole and log size cedar.																																																				
32	4119 - Mixed Northern Hardwoods	Sawtimber Medium	180.2	110	51-80	N/A	Sale 45-001-02-01, select cut in 2003, has a two chain buffer strip of cedar as it grades down to Dickenson Lake, also has a low part along the highway, never to be cut but left as a travel buffer. Sale 45-005-14-01 beech salvage in the center of the stand. The stand has been treated several times in the recent past. The result is a pretty open canopy with a mixed bag of regeneration mostly aspen, beech and sugar maple. Scattered aspen and cedar throughout the stand. Sugar maple is showing signs of top die back.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
33	6239 - Mixed Emergent Wetland	Nonstocked	4.2			No				
34	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	19.5	109		N/A				
35	4130 - Aspen	Sapling Well	10.8	18	1-50	N/A	Nice aspen sapling stand. The adjacent compartment puts the stand age at 18 which is more in line with the size of the trees. Scattered pole size cedar, sugar maple, oak and white spruce.			
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Quaking Aspen	63	Sapling/Pole	3	18	Striped Maple	Low	10 - 20 feet	Sapling
		Bigtooth Aspen	15	Sapling/Pole	3		Beech	Low	5 - 10 feet	Sapling
		Balsam Poplar	10	Sapling/Pole	3		Aspen (spp.)	Medium	10 - 20 feet	Sapling
							Sugar Maple	Low	5 - 10 feet	Sapling
							Balsam Fir	Low	5 - 10 feet	Sapling
36	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	204.4	99	141-170	N/A	This is a variable stand typical for Drummond island. It is a mix of old aspen and cedar, I have done my best to type out the thicker cedar areas. There are some lowland areas and drainages in this stand but for the most part it is high and dry. There is an area of more open canopy on the west side of the stand that has very thick fir in the understory.			
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Northern White Cedar	45	Log	15	99	Balsam Fir	Medium	Variable	Sapling
		Quaking Aspen	13	Log	14		Sugar Maple	Trace	Variable	Sapling
		Balsam Poplar	10	Log	14		Striped Maple	Low	5 - 10 feet	Sapling
		White Spruce	10	Log/Pole	13		Paper Birch	Trace	Variable	Sapling
37	6120 - Lowland Cedar	Poletimber Well	11.2	90	81-110	N/A	Stand is flooded in the spring and very wet the rest of the year. Was not cut because it was too wet and had no bottom. Mix of cedar and black spruce.			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Tamarack	10	Pole	8					
		Northern White Cedar	50	Pole/Log	8	90				
		Black Spruce	30	Pole	7					
		Balsam Fir	10	Pole	6					
38	6120 - Lowland Cedar	Sawtimber Well	8.5	109	141-170	N/A	Buffer stand along the ponds. Stand is a mix of cedar, spruce and tamarack. There are some areas of smaller diameter trees.			
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Northern White Cedar	60	Log/Pole	13	109	Balsam Fir	Medium	Variable	Sapling
		Tamarack	20	Log/Pole	12		Paper Birch	Low	Variable	Sapling
		Black Spruce	10	Pole/Log	9		White Spruce	Low	5 - 10 feet	Sapling
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39	4134 - Aspen, Spruce/Fir	Poletimber Well	34.4	49	51-80	N/A	Looks like this stand was harvested in 1970ish. Stand is a mix of aspen, spruce/fir with scattered cedar and white pine. Mostly upland, rocky ground but some low swales exist.																																																			
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40	500 - Water	Nonstocked	26.0			No																																																				
41	6239 - Mixed Emergent Wetland	Nonstocked	50.2			No	This stand is sometimes flooded, especially in the finger to the south.																																																			
42	6120 - Lowland Cedar	Poletimber Well	26.3	109	141-170	N/A																																																				
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43	6121 - Tamarack	Sapling Well	26.3	60	51-80	N/A	This is mostly a sapling size tamarack stand. The diameters and quality of the stand increase along the upland boundary and it becomes more mixed with cedar. The closer to the wetland you get the diameters get smaller and the stand becomes thicker.																																																			
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44	4134 - Aspen, Spruce/Fir	Sawtimber Medium	27.1	89	51-80	N/A	This stand was previously set up and sold but was never cut because of access concerns. About half the birch in this stand has died and blown over. The canopy is pretty open in most of the stand and there is very little regen filling in. The soils are very thin and rocky.																																																			
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45	6112 - Lowland Aspen	Poletimber Well	7.3	49	51-80	N/A	Lowland stand of black ash and BAM. Scattered large aspen. Some cedar regen can be found in this stand. It looks like this stand was picked through in the early 70's with some of the adjacent stands.																																																		
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46	42360 - Upland Cedar	Poletimber Well	31.6	101	141-170	N/A	Nice stand of cedar with scattered birch and aspen. Stand sits on top of the ridge that drops down to bass lake. There are corners in around this 40.																																																		
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47	4130 - Aspen	Sapling Well	84.9	14	Immature	N/A	Sale 45-014-02-01, cut in 2005, cedar seed trees, oak, pine and hemlock reserved. Now the stand is nice maple regen with scattered large pine and some sugar maple. Spruce and fir in the understory.																																																		
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48	42360 - Upland Cedar	Sawtimber Well	26.3	123	171-200	N/A	Nice stand of large cedar.																																																		
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49	6120 - Lowland Cedar	Poletimber Well	8.7	101	51-80	N/A	Lowland cedar stand that sits at the bottom of the ridge. Lots of water and tag alder in this stand and the canopy is a bit more open in places. There is a small wetland on the east side of the stand. Corners are in around this 40.																																																		
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50	500 - Water	Nonstocked	3.6			No																																																			
51	42340 - Upland Spruce/Fir	Poletimber Medium	12.6	49	1-50	N/A	Open stand of spruce with a few scattered white and red pine. The south half of the stand has much better canopy closure. Most of the canopy species are right on the edge of pole/sapling size and there is still a pretty thick sapling component.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52 42380 - Non Pine Upland Conifer, Mixed Deciduous Sawtimber Well 73.7 109 141-170 N/A Very mixed stand of aspen, spruce/fir with areas of cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	35	Log	15		Balsam Fir	High	Variable	Sapling
Balsam Fir	10	Pole	6		White Spruce	Medium	Variable	Sapling
White Spruce	20	Log/Pole	10					
Northern White Cedar	35	Log/Pole	10	109				

53 623 - Emergent Wetland Nonstocked 3.5 No

54 6223 - Inundated Shrub Swamp Nonstocked 8.0 No

55 4199 - Other Mixed Upland Deciduous Sawtimber Well 13.6 90 81-110 N/A This stand has a few ridges and swales in it. More of a mix with aspen and maple. there is cedar along the southern border of the stand. Lots of advanced regeneration. North strip of stand was a spillover cut from C18 St 17 for beech salvage, and aspen and spruce harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	12	90	Beech	High	5 - 10 feet	Sapling
Bigtooth Aspen	35	Log/Pole	14		Sugar Maple	Medium	< 5 feet	Sapling

56 4134 - Aspen, Spruce/Fir Poletimber Well 9.9 49 51-80 N/A

According to our records the stand was cut in the early 1970's. The north 2/3 of this stand is very nice aspen regen with some conifers. The south 1/2 is very good conifer regen with some aspen. The stand is right on the edge of pole/sapling and some sapling areas can still be found. Found a BLM "Cadastral Survey" monument from 1977.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	22	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	40	Pole/Sapling	6	49	White Spruce	Low	Variable	Sapling
Balsam Fir	15	Pole/Sapling	5		Paper Birch	Low	Variable	Sapling
White Spruce	10	Pole	6		Sugar Maple	Low	5 - 10 feet	Sapling

57 4139 - Aspen, Mixed Deciduous Sapling Well 22.4 14 Immature N/A

Sale 45-014-02-01, cut in 2005, cedar, oak, hemlock, and pine reserved, ORV trail in stand, regen good. Regen is a mix of quaking aspen and BAM. Mostly dry ground with some wet areas. You can tell the soil is poorly drained in this stand and could get wet..

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Sapling	1	14	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Poplar	40	Sapling	1		Sugar Maple	Trace	< 5 feet	Sapling
					Tamarack	Trace	< 5 feet	Sapling

58 42360 - Upland Cedar Poletimber Well 12.1 89 141-170 N/A Stan is mostly cedar but is more mixed on the west half.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	10	Pole	6		White Spruce	Low	Variable	Sapling
White Spruce	10	Pole	8					
Northern White Cedar	60	Pole/Log	9	89				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
59	42360 - Upland Cedar	Sawtimber Well	93.3	123	141-170	N/A	The canopy in this cedar stand is variable depending on where you are. Some spots its the nice closed canopy, park like cedar we are used to and in others it is more open with tons of fir in the understory.. Scattered large white pine exist throughout the stand. Bed rock is not too far under the surface in most places.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Quaking Aspen		10	Log/Pole	13		Balsam Fir		High	Variable	Sapling
White Spruce		10	Log	14						
Northern White Cedar		70	Log/Pole	13	123					
60	6111 - Lowland Balsam Poplar	Poletimber Well	50.7	41	51-80	N/A	Lowland stand of ash and BAM. Very wet, standing water throughout the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Balsam Poplar		40	Pole/Sapling	6	41	Black Ash		Medium	Variable	Sapling
Black Ash		39	Pole/Sapling	6		Tag Alder		Low	5 - 10 feet	Tall Shrub
						White Spruce		Low	Variable	Sapling
						Balsam Fir	Low	Variable	Sapling	
61	6118 - Lowland Deciduous with Cedar	Poletimber Medium	4.4	74	51-80	N/A	Green and black ash swamp with cedar closer to the lakeshore. A stream runs through this stand from Bass Lake.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Northern White Cedar		20	Pole/Log	9		Deciduous Shrubs		Medium	Variable	Tall Shrub
Black Ash		40	Pole	8	74	Tag Alder		Low	5 - 10 feet	Tall Shrub
Green Ash		40	Log/Pole	12						
62	4130 - Aspen	Sapling Well	13.3	3	Immature	N/A	Stand was cut in 2016 as part of Bass Cove Hardwoods. Retained cedar and a few white pine. The regeneration is doing pretty well but is not great in the skid trails which are mostly grass/sedge.			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		50	Sapling	1	3					
Balsam Poplar		20	Sapling	1						
Bigtooth Aspen		15	Sapling	1						
63	710 - Sand, Soil	Nonstocked	4.8			No				
64	4119 - Mixed Northern Hardwoods	Sawtimber Medium	322.5	110	81-110	N/A	The east half of the stand was marked and sold as Bass Cove Hardwoods. After contract was awarded the rest of the beech in the stand was added to the sale. There are some really open areas now especially in the far east and west of the stand. Harvest was complete in 2016. Oak trees were planted in the stand in spring of 2016. The west half of the stand has more advanced regeneration which is mostly beech. The good news is there seems to be a lot of sugar maple seedling under the beech and raspberry in this stand, hopefully some of them make it. The far west end has a lot of sugar maple declining in it.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Sugar Maple		77	Log	14	110	Sugar Maple		Low	Variable	Sapling
						Beech		Medium	Variable	Sapling
						Ironwood		Medium	Variable	Sapling
						White Spruce		Trace	< 5 feet	Sapling
						Aspen (spp.)	Low	5 - 10 feet	Sapling	
65	4130 - Aspen	Sapling Well	68.8	15	Immature	N/A	Sale 45-014-02-01, cut in 2004, cedar, oak, hemlock, and pine reserved. Regen is doing great and is between 1-2" in DBH. There are a few scattered white pine and hardwood in the stand.			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		60	Sapling	1	15					
Balsam Poplar		18	Sapling	1						
Balsam Fir		10	Sapling	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
66	4136 - Aspen, Mixed Conifer	Sapling Medium	55.1	6	1-50	N/A	Sale 45-018-11-01 cedar was reserved during the harvest giving this stand a two age look. The cedar is not looking healthy in some of this stand and has a thinning canopy. Pockets of thick sapling size fir was left during the harvest.																																															
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67	4319 - Mixed Upland Forest	Poletimber Well	11.1	37	81-110	N/A	The aspen and birch were removed under wildlife FTP in 1982. Stand is doing well.																																															
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68	790 - Other Bare/Sparsely Vegetated	Nonstocked	2.0			No																																																
69	4111 - S.Maple, Hard Mast Association	Sawtimber Well	107.9	110	81-110	N/A	Nice, full stocking of regen saps of canopy species. North west strip of stand was a spillover harvest from C18 St 17 beech salvage and aspen and spruce harvest.																																															
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70	6120 - Lowland Cedar	Sawtimber Well	5.6	143		N/A	Lowland cedar stand, pretty wet in here.																																															
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71	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	47.0	32	1-50	N/A	Cut around 1987 but looks like only aspen was cut, good aspen regen with pole size cedar, spruce, oak, maple, balsam. Regen is variable and patchy in some spots.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
72	6112 - Lowland Aspen	Sapling Well	27.3	29	1-50	N/A	Large sapling/small pole sized stand of aspen. Scattered pole/log size cedar and spruce throughout. The ground I saw in this stand was pretty wet and soft.																																											
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73	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	268.6	126	111-140	N/A	Borders Little Shelter Bay, Bass Lake and Bass Cove. This stand is variable with areas of dense cedar, areas of aspen over cedar and other spots of a mixed forest with aspen/spruce/cedar.																																											
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74	3302 - Low Density Conifer Trees	Nonstocked	3.4			No																																												
75	4136 - Aspen, Mixed Conifer	Poletimber Well	30.0	49	51-80	N/A	Pole size aspen stand. The ground here has ridges and swales. The trees are 8-10" in diameter on the higher ground and smaller in the wet stuff. There is a .5 acre wetland in the west end of the stand.																																											
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76	6115 - Lowland Ash	Sapling Well	11.5	99	51-80	N/A	This stand was flooded when I was in here. Dominated by sapling and small pole size black ash. Scattered pole size spruce and cedar.																																											
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77	500 - Water	Nonstocked	1.4			No																																												
78	6122 - Black Spruce	Poletimber Well	10.0	49		N/A																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
79	4136 - Aspen, Mixed Conifer	Sapling Medium	169.5	6	1-50	N/A	Sale 45-018-11-01 was cut in 2013. Cedar was retained during the harvest but over half of it has blown over. The aspen is doing well and I am confident that canopy closure will increase to near 100% over the next 10 years.																																													
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80	42320 - Upland Spruce	Poletimber Medium	5.4	49		N/A	Open, white spruce / herbaceous, lets say "alvar-ish", age estimate from surrounding cut stands, it may have been cut but no cut records, cedar is probably older.																																													
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81	42360 - Upland Cedar	Sawtimber Well	77.3	123	141-170	N/A	This is a cedar stand with areas that are heavier to aspen mix. Some spots have a more open canopy with very thick balsam fir in the understory. Other more dense areas are park like underneath.																																													
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82	6112 - Lowland Aspen	Sapling Well	32.6	12	Immature	N/A	Sale 45-014-02-01, cut in 2007, cedar seed trees and pine reserved. I walked into the south part of the west arm and it was very wet. Aspen is doing well in this stand.																																													
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83	720 - Exposed Rock	Nonstocked	6.5		Unspecified	No																																														
84	6120 - Lowland Cedar	Sawtimber Well	26.3	128	111-140	N/A	Mostly lowland ground with cedar and aspen mix. The very wet areas have a bit less dense of a canopy and the understory is thick with fir and ash.																																													
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85	6223 - Inundated Shrub Swamp	Nonstocked	7.4			No																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
86	6120 - Lowland Cedar	Poletimber Medium	18.6	123	51-80	N/A	This stand is low and wet causing smaller diameter cedar which is very thick and brushy. Scattered cedar canopy with thick shrubs and conifer trees in the understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Northern White Cedar		75	Pole	5	123	Deciduous Shrubs		High	Variable	Tall Shrub
Balsam Fir						Balsam Fir		Medium	Variable	Sapling
Striped Maple						Striped Maple		Low	5 - 10 feet	Sapling
87	6120 - Lowland Cedar	Sawtimber Well	8.3	102	171-200	N/A	This a patch of cedar that the loggers worked around when cutting the adjacent stand. There is a road and at least one skid trail running through the stands.			
88	6139 - Mixed Lowland Forest	Sapling Well	7.9	40		N/A	This may be the worst place I've ever been, thick fir, spruce, aspen, cedar, white birch saps, but it hasn't been cut its just fell apart and regenerated. Oh, I almost forgot, its wet wet wet!			
Canopy Species		% Cover	Size Class	DBH	Age					
Yellow Birch		10	Sapling	3						
Paper Birch		10	Sapling	3						
Quaking Aspen		10	Sapling	3						
Balsam Poplar		10	Sapling	3						
Balsam Fir		30	Sapling	3	40					
White Spruce		10	Sapling	3						
Northern White Cedar		10	Sapling	6						
Black Ash		10	Sapling	3						
89	790 - Other Bare/Sparsely Vegetated	Nonstocked	23.8	0		No	Borders Little Shelter Bay and Bass Cove, deer yard, age estimated from avg of old OI stands, ORV trail actually makes a nice walking trail to a cool little opening. No illegal blinds or stands so the orv trail is not doing harm and th older residents like to walk in here.			
90	4130 - Aspen	Sapling Well	22.5	3	Immature	N/A	Stand was cut in December of 2016 as part of Plywood Camp Hardwood. The regen is doing awesome in this stand. Cedar was left during harvest but a lot has blown over.			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		81	Sapling	1	3					
Northern White Cedar		15	Log	14	119					
91	4110 - Sugar Maple Association	Sawtimber Well	176.8	110	51-80	N/A	Stand of large old sugar maple. It was harvested in the fall of 2018 where it was marked for a normal thinning and then the beech was added to salvage after the marking. This resulted in some areas being lower in BA. There is not much in the smaller diameter classes that can be recruited into the canopy. There was a decent amount of sugar maple regen about 6" tall so hopefully some of that will make it. There are patches of cedar throughout the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Sugar Maple		81	Log	16	110	White Spruce		Trace	Variable	Pole
						Deciduous Saplings		Low	Variable	Sapling
						Sugar Maple		Medium	< 5 feet	Sapling
						Beech		Low	Variable	Sapling
						Striped Maple		Low	5 - 10 feet	Sapling
						Ironwood	Low	Variable	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	79.8	119	Unspecified	N/A	This is the typical aspen over cedar with spruce and fir. Some areas are pretty mixed and may be harvestable but accessing them may be difficult without removing cedar.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	XLog/Log	20	
White Spruce	10	Log	16	
Northern White Cedar	45	Log	18	119

93	6239 - Mixed Emergent Wetland	Nonstocked	2.3			No	
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94	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	30.3	160	81-110	N/A	This is a mixed stand that varies from hardwood to over mature aspen. There are areas of good sugar maple regen, pockets of striped maple and balsam fir. there is a vernal feature along the north edge of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	53	XLog/Log/Pole	20	160	Sugar Maple	Medium	Variable	Pole
Red Oak	10	XLog	20		Beech	Low	Variable	Pole
Quaking Aspen	20	Log/XLog	17		Balsam Fir	Low	Variable	Pole
					Striped Maple	Medium	Variable	Pole
					White Pine	Trace	< 5 feet	Sapling

95	42360 - Upland Cedar	Sawtimber Well	368.2	119	171-200	N/A	Stand of very large cedar with pockets of aspen. Understory is variable with some areas having very little and others with thick fir.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar	70	Log	14	119	White Spruce	Low	Variable	Sapling
					Balsam Fir	Low	Variable	Sapling

96	4319 - Mixed Upland Forest	Poletimber Well	10.5	36	111-140	N/A	A younger stand of aspen, spruce/fir with cedar.
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97	6239 - Mixed Emergent Wetland	Nonstocked	12.3			No	
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98	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	12.1	119	111-140	N/A	Small stand with mostly cedar, especially along the lakeshore. It is a bit more mixed interior with aspen and spruce.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Log/Pole	13	119	Balsam Fir	Medium	Variable	Sapling
White Spruce	20	Pole/Log	9					
Paper Birch	10	Log/Pole	13					
Bigtooth Aspen	20	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
99	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.4	55	81-110	N/A	The aspen in this stand looks younger than most Drummond aspen but I did not find a cutting record. Larger white spruce scattered in this stand. Decent amount of sugar maple regen in understory.																																					
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100	790 - Other Bare/Sparsely Vegetated	Nonstocked	12.5	0		No	Stand of shoreline rock which includes some of the lake.																																					
101	790 - Other Bare/Sparsely Vegetated	Nonstocked	10.1	0		No	Shoreline rock and portions of the lake.																																					
102	6239 - Mixed Emergent Wetland	Nonstocked	1.6			No																																						
103	6121 - Tamarack	Poletimber Medium	11.2	101	1-50	N/A	This is very low and wet. Scattered tamarack with cedar regen underneath. Some areas around the lake are sapling size cedar.																																					
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104	6229 - Mixed lowland shrub	Nonstocked	2.1	0		No																																						
105	4319 - Mixed Upland Forest	Sawtimber Well	9.0	76	111-140	N/A	Strip of mature timber that was left along the border of the lake. Makes a good buffer. It is a mix of aspen, birch, cedar, fir and spruce.																																					
106	6239 - Mixed Emergent Wetland	Nonstocked	1.0	0		No	This area is flooded in the spring and during high rainfall events but does dry out.																																					
107	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	65.5	109	81-110	N/A	Open canopy of large log size cedar with pole size fir, spruce and aspen. This stand may be operable in the future but the harvestable trees are too small right now.																																					
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108	42360 - Upland Cedar	Sawtimber Well	22.8	99	141-170	N/A	Area of dense log size cedar. Hard to type out on the photo but did see an change of timber type while walking around this area.																																					
109	6229 - Mixed lowland shrub	Nonstocked	1.8	0		No	Low area with ponded water in the spring. Wet conditions have killed the trees that used to be growing in this stand.																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
110	6229 - Mixed lowland shrub	Nonstocked	1.4	0		No	Low area with ponded water in the spring. Wet conditions have killed the trees that used to be growing in this stand.																																								
111	42390 - Mixed Non-Pine Upland Conifers	Sapling Well	16.1	99	51-80	N/A	I did not make it to this stand but spoke with Dave about it. Scattered overstory trees of cedar and pine with very thick layer of spruce/fir saplings underneath.																																								
112	4130 - Aspen	Sapling Well	18.1	4	Immature	N/A	Stand was cut in February of 2015 as part of Plywood Camp Hardwood. There is great aspen regeneration that is around 8' tall and very thick. Cedar was retained during the harvest but a good number of them have blown over.																																								
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113	6115 - Lowland Ash	Poletimber Well	4.5	74	81-110	N/A	Lowland ash stand with very wet ground. Marsh Marigolds throughout the stand. Flowing water in places.																																								
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114	4110 - Sugar Maple Association	Sawtimber Well	12.3	90	81-110	N/A	The north strip along the compartment line had the beech removed from it. The rest of the stand is decent maple with good advanced regeneration.																																								
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115	4139 - Aspen, Mixed Deciduous	Sawtimber Medium	17.7	78	51-80	N/A	This area was picked through or thinned hard in the past. Lots of advanced regen of aspen, maple and beech. Scattered cedar throughout the stand.																																								
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116	4199 - Other Mixed Upland Deciduous	Sapling Well	8.0	49	81-110	N/A	Aspen and maple saplings. Some scattered larger maples throughout. There is a wet area in the west end of the stand that has flowing water during high water times.																																								
117	122 - Road/Parking Lot	Nonstocked	27.7	0		No	Looks like this stand was harvested in 1970ish. Stand is a mix of aspen, spruce/fir with scattered cedar and white pine. Mostly upland, rocky ground but some low swales exist.																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
118	42360 - Upland Cedar	Sawtimber Well	9.3	123	171-200	N/A	Nice log size cedar stand. There is a small path of younger regen along the road.																																										
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119	122 - Road/Parking Lot	Nonstocked	2.5	0		No	This is a cedar stand with areas that are heavier to aspen mix. Some spots have a more open canopy with very thick balsam fir in the understory. Other more dense areas are park like underneath.																																										
120	6239 - Mixed Emergent Wetland	Nonstocked	1.2	0	Unspecified	No																																											
121	6118 - Lowland Deciduous with Cedar	Poletimber Well	18.3	110	51-80	N/A	Stand of balsam poplar and ash.																																										
123	429 - Mixed Upland Conifers	Poletimber Well	46.5	110	Unspecified	N/A	I did not make it to this stand. Looks like a mix of spruce and cedar with some aspen. Balsam fir is thick in the understory.																																										