



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45020

Entry Year 2026

Acreage: 3,653

County Chippewa

Management Area: St. Ignace Lake Plain

Stand Examiner: Louis Radecki

Legal Description:

T41N R03E, Sections 1-5, 9-14, T 42N R03E Section 25

Identified Planning Goals:

To manage various timber types in a “sustainable” manner using “best management practices” (BMPs) for the enhancement of wildlife and vegetative species. In the large hardwood stands, current forest management is focused on a combination of intense thinning and gap creation to both encourage the establishment of desirable advanced regeneration, and to release the advanced regeneration that pre-exists on the site. Other management is focused on recruiting pine into the understory of the natural pine in the west of the compartment, and treating the Upland mixed deciduous stand near the campground to remove canopy trees that are experiencing decline and promote species diversity in the understory. Additional plans include harvesting some mature aspen and conifer mix stands, creating early successional forests. Provide opportunities for several different recreational activities in an aesthetically pleasing environment, and provide adequate state campground information, facilities, and safety at Detour State Campground. Properly sign and maintain recreational trails through out compartment.

Soil and topography:

Topography is low and flat with scattered ridges and raised areas. The compartment is a Markey-Kinross-Croswell association. The Markey soils in this association are in the broad depressions and drainage ways. Kinross soils are on the low plains and in swales and depressions. Both of these soils are frequently ponded. Croswell soils are on the broad plains and ridges (USDA Soil Conservation Service).

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

The surrounding private parcels are primarily recreational, utilized on a seasonal basis. Other than a couple new structures (small homes) very little new development has occurred since the last inventory.

Unique Natural Features:

The wooded dune and swale complex is found here. According to Michigan Natural Features Inventory (MNFI) this community of wetland swales and upland beach ridges is found in embayments and on large spits along the shoreline of all of the Great Lakes. Many of these complexes began forming approximately 12,000 years ago. Because they contain a unique assemblage of physiographic, soil, and vegetative components, and provide a high quality habitat for numerous shoreline animal species, this complex is considered a distinct natural community to Michigan.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

The bald eagle (*Haliaeetus leucocephalus*), osprey (*Pandion haliaetus*), common loon (*Gavia immer*), and piping plover (*Charadrius melodus*) have been identified in surrounding and similar areas. The compartment has also been identified as a possible habitat type for several threatened and/or endangered plant species.

Watershed and Fisheries Considerations:

Albany Creek, Joe Straw Creek, and an unnamed creek can be found in the compartment along with Cranberry Lake and Cranberry Flooding. This compartment also contains a portion of Caribou Lake. Both Albany Creek and the unnamed coastal tributary are designated trout streams, and Albany Creek in particular supports several species of lake run fish. All cutting should be designed to minimize the area’s desirability to beaver near these streams. Standard BMPs should also be applied in all areas.

Wildlife Habitat Considerations:

This compartment is in the eastern part of the St. Ignace Lake Plain Management Area. Much of it is dominated by cedar and other lowland conifers, and northern hardwoods. A large northern hardwood stand dominates much of the center of the compartment. Beech bark disease was prevalent here last entry and a thinning targeting beech was conducted due to the declining trees. Hardwood regeneration and recruitment following that harvest has been variable. Additional

treatments are planned for this entry to encourage maple recruitment as well as age class and structural diversity in the stand to benefit species like black-throated blue warbler, American marten, hawks, white-tailed deer, and others. Cranberry Lake and the former Cranberry Lake Wildlife Flooding are located on the east end. The Cranberry Lake Wildlife Flooding was an approximately 60-acre open water habitat prior to decommissioning of the dam in 2013 due to failure of the control structure. The control structure was removed and replaced with a constructed stream bed spillway to allow natural flow and reduce maintenance needs at the site. Beaver activity upstream of the new spillway is currently maintaining water levels in the former flooding near the levels when the control structure was in place, and will likely continue to maintain similar habitat into the future. It and the adjacent lake will continue to provide habitat for beaver, waterfowl, and other wetland wildlife. Near-shoreline stands are important for a variety of wildlife species including neotropical migratory birds. Habitat will be maintained for resting and feeding sites for these species, and rare species and habitats will be protected.

Mineral Resource and Development Concerns and/or Restrictions

Compartment 20 Sections 1-5 & 9-13, T41N-R3E, Chippewa County

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for economic production of metallic minerals in this area. The nearest active sand/gravel operation is approximately two miles east. There may be some potential for sand & gravel within the compartment on the uplands and where there is sufficient thickness of glacial drift over the bedrock, but high ground in the compartment is occupied by existing trails, which could inhibit surface mining. Bedrock limestone and dolostone are quarried in many places across the eastern UP. While there is potential for limestone/dolomite within the compartment, there are several reasons why it is unlikely that a new quarry would be developed here.

Vehicle Access:

Access to the compartment is not a concern. State Highways M-134 and M-48 both intersect the compartment. Cranberry Lake road and Albany Creek road cross through the interior. The snowmobile and ORV trails provide additional access to the interior. There is a locked gate located on the east side of the bridge which crosses the unnamed creek. Both bridges in this compartment will not support the weight of a log truck.

Survey Needs:

Surveys will be needed to find the north and west boundaries of stand #11.

Surveys will be needed to find the north boundary of stand #39.

Surveys will be needed to find the southwest boundary of stand #40.

Surveys will be needed to find the eastern boundary of stand #68.

Recreational Facilities and Opportunities:

The small creeks are frequented by local fisherman during different seasonal runs. Deer and small game hunting activity is prevalent throughout the compartment, Cranberry Lake and Cranberry Flooding provide hunting opportunities for waterfowl. Snowmobiles and ORV trails meander throughout the compartment. Detour State Campground is also located in the compartment. It has 21 "rustic" sites and is accessible by the water.

Fire Protection:

The majority of current cover types are not prone to frequent fire activity. Access for fire protection is adequate with plenty of water sources.

Additional Compartment Information:

Mable Annette Island, found in Lake Huron is also associated with this compartment. Michigan Department of Transportation manages a good portion of the shoreline along M-134.

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

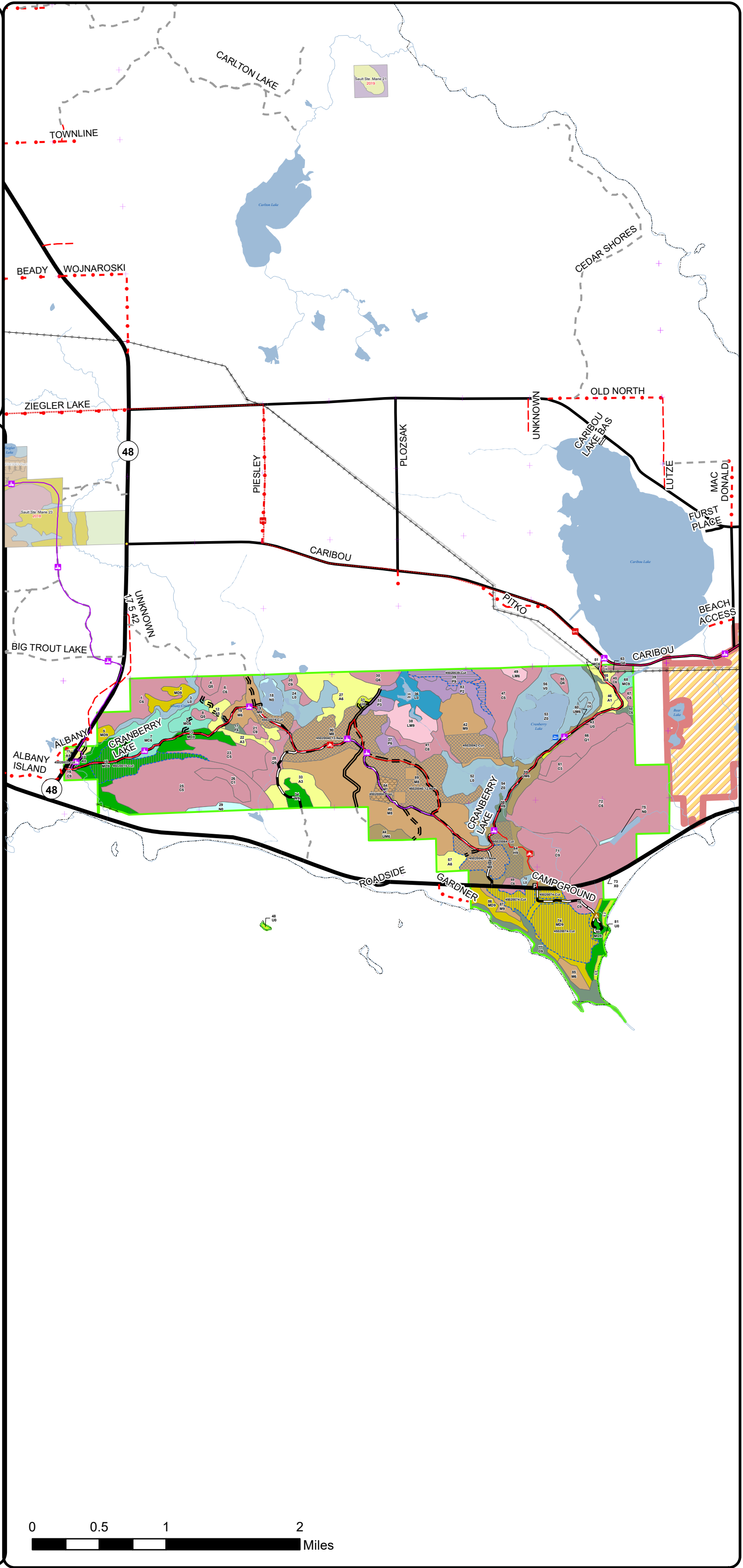
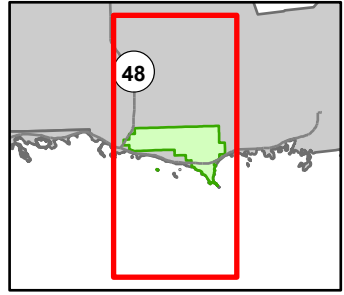
Proposed treatments

Site condition boundaries

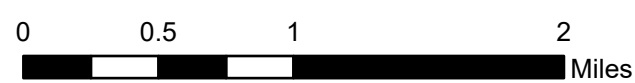
Details on the road access system

Cover Type & Treatments Map

Compartment: 45020
 T41N, R3E, Sec: 1-5, 10-14
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2026
 Acres: 3652.8 GIS Calculated
 Examiner: Louis Radecki
 Map Revised: 07/19/2024
 Map Phase: Web Post

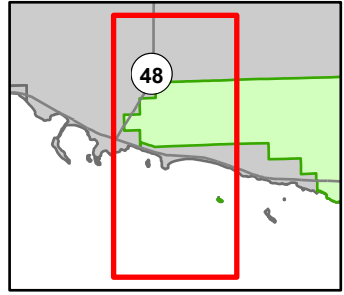


- Boating Access Site
- Bridges
- Campground
- Parking Lot
- Survey Grade Corners
- Remonumented Section Corners
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- DNR - Primary Forest Road
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- Lake/Pond
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- Shoreline
- Pipeline
- Powerline
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- Site Prep
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
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- 611 - Lowland Deciduous Forest
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- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

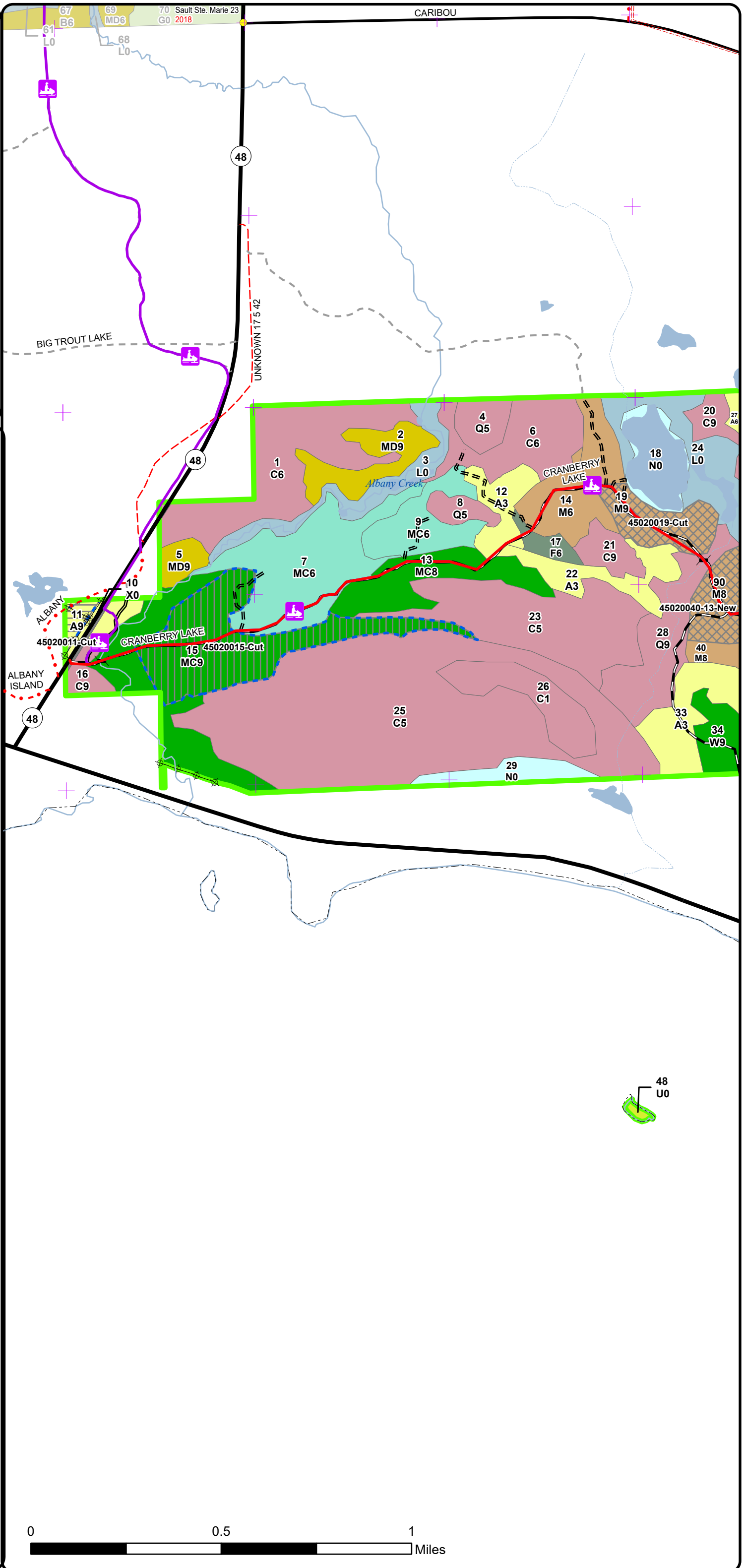


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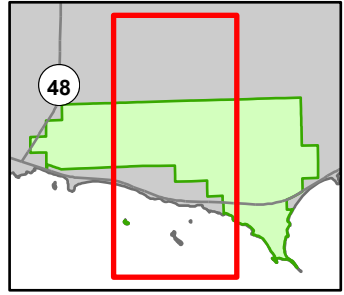


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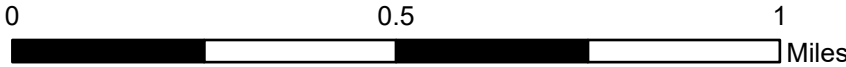
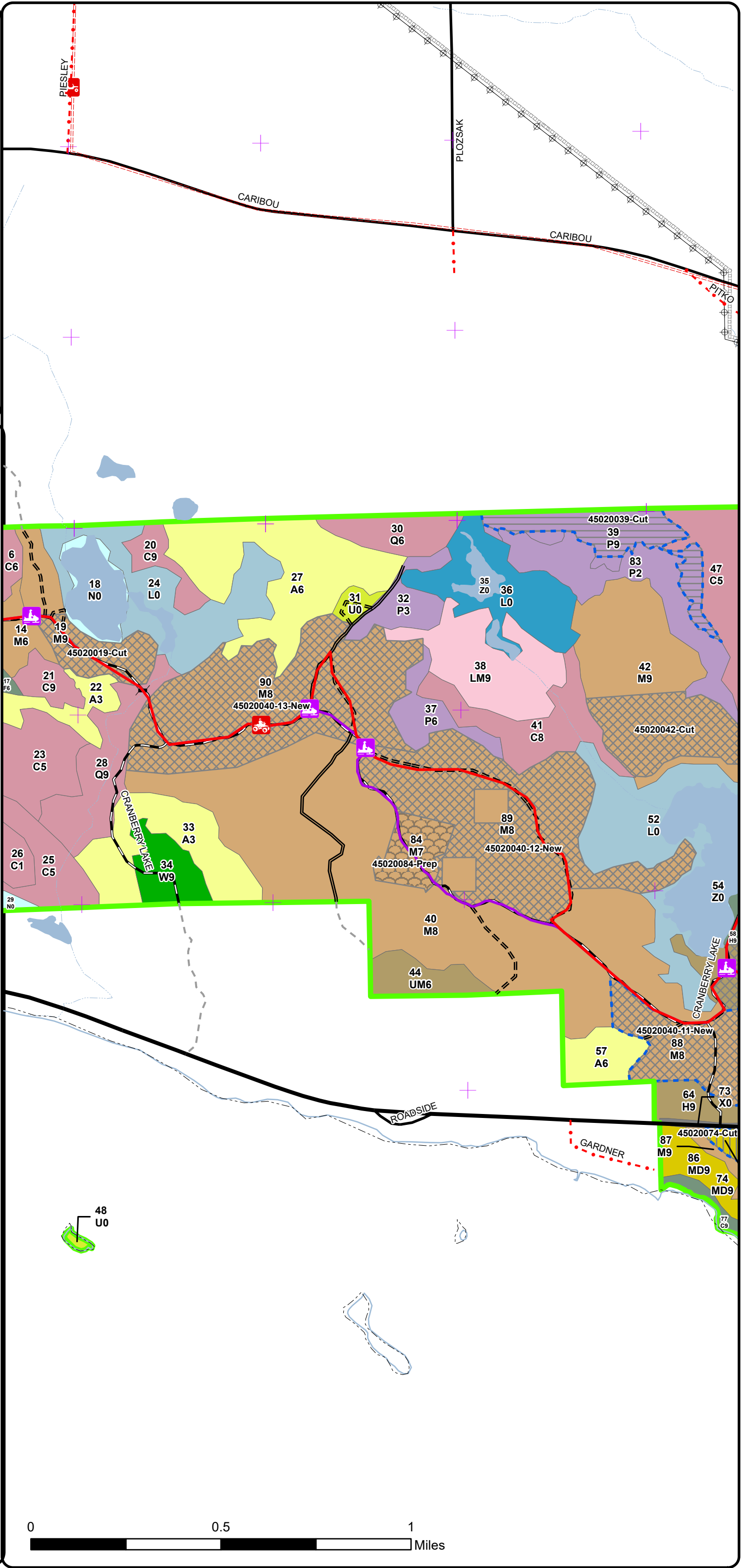


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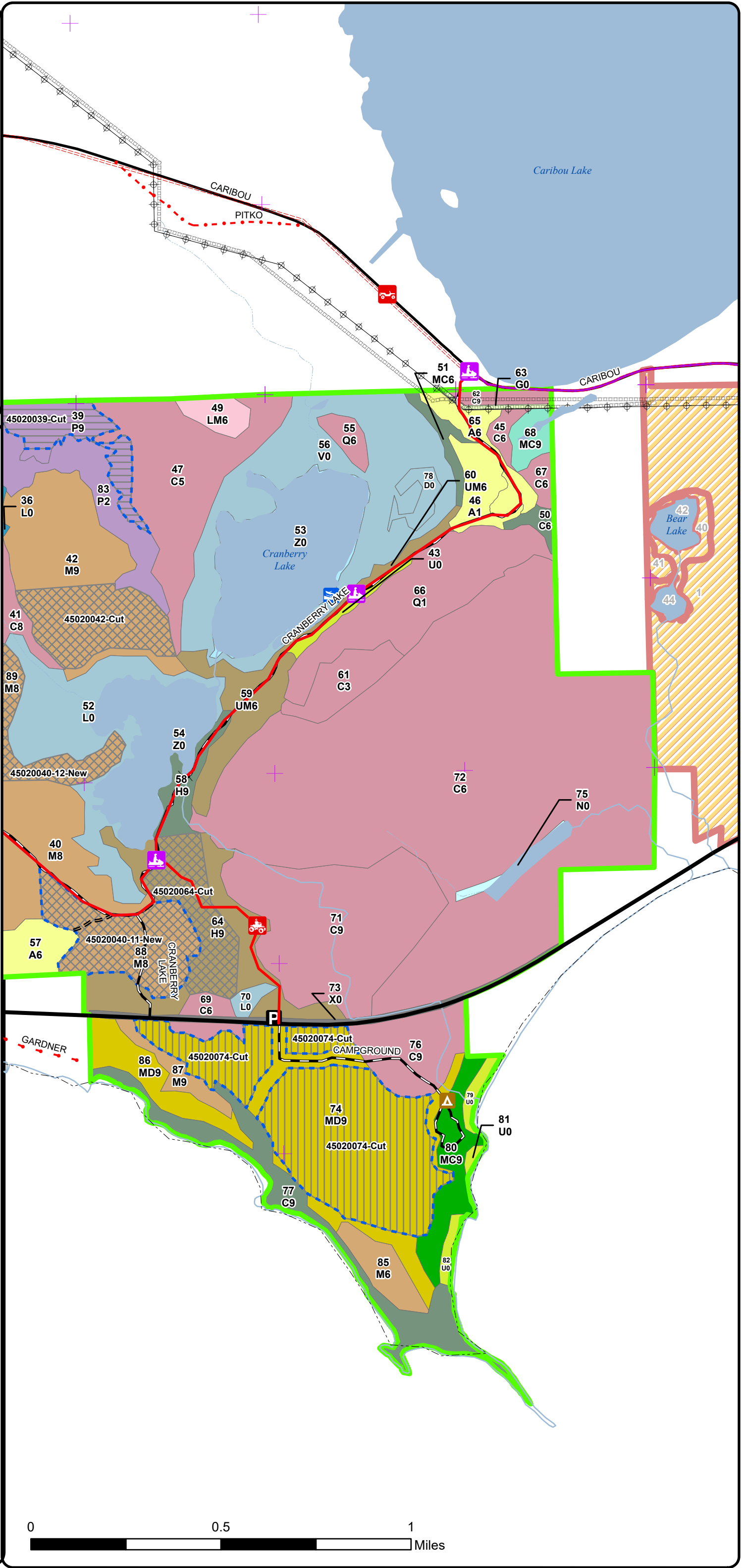
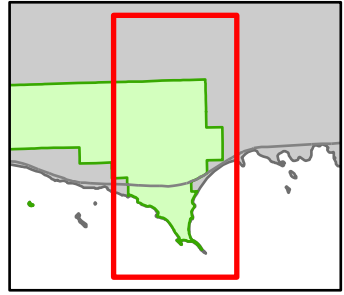


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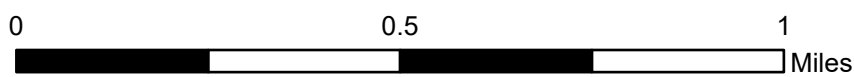


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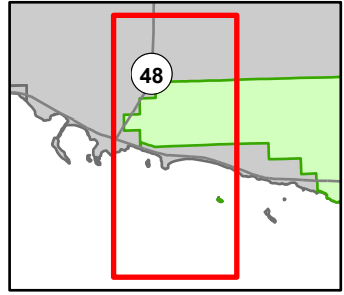


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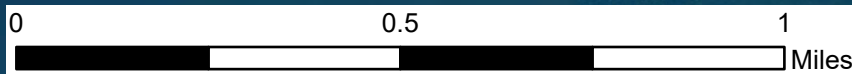
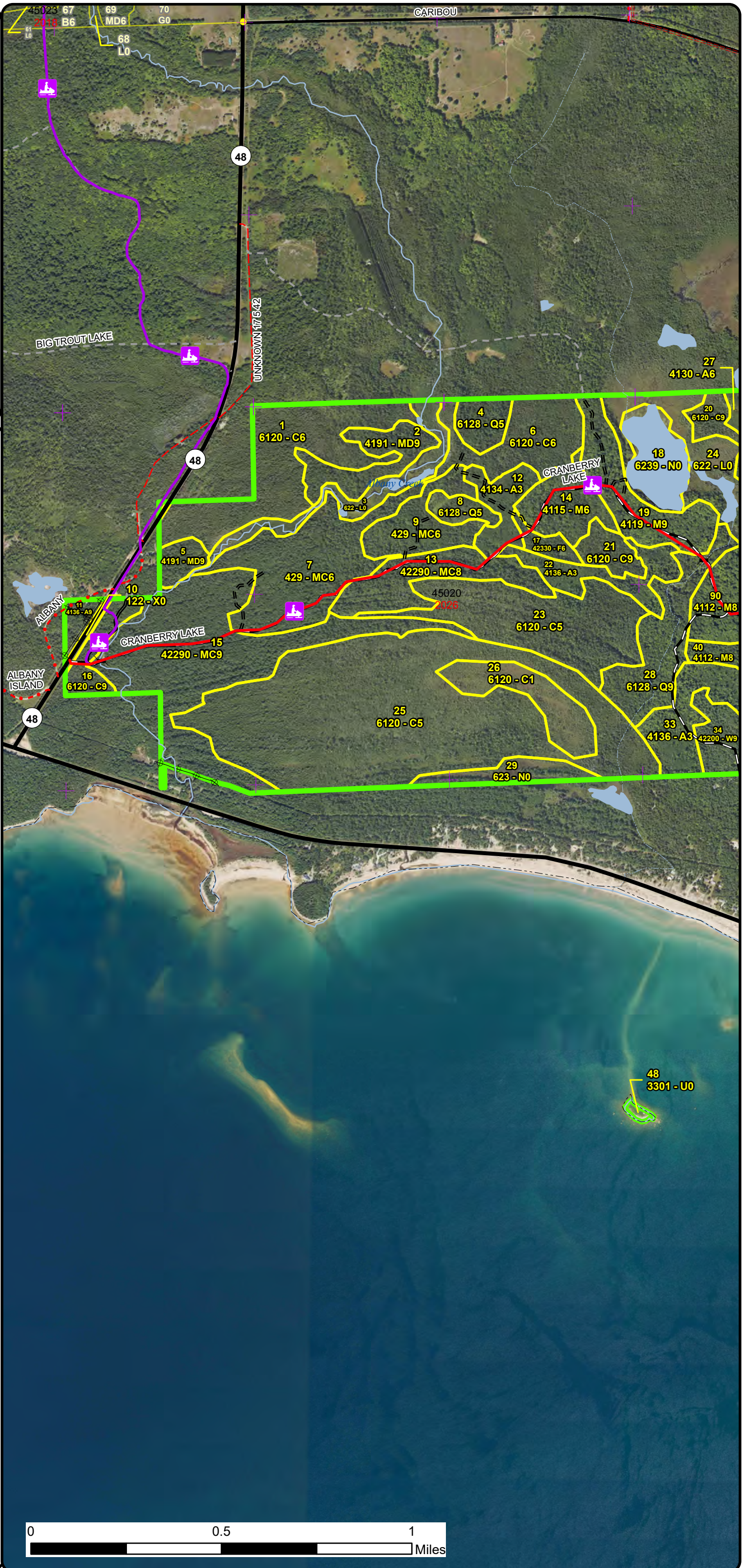


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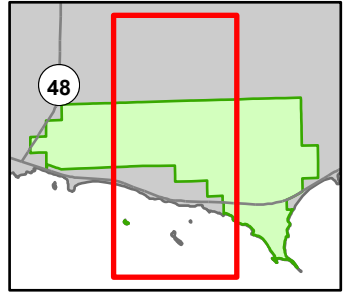


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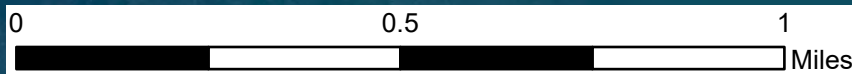
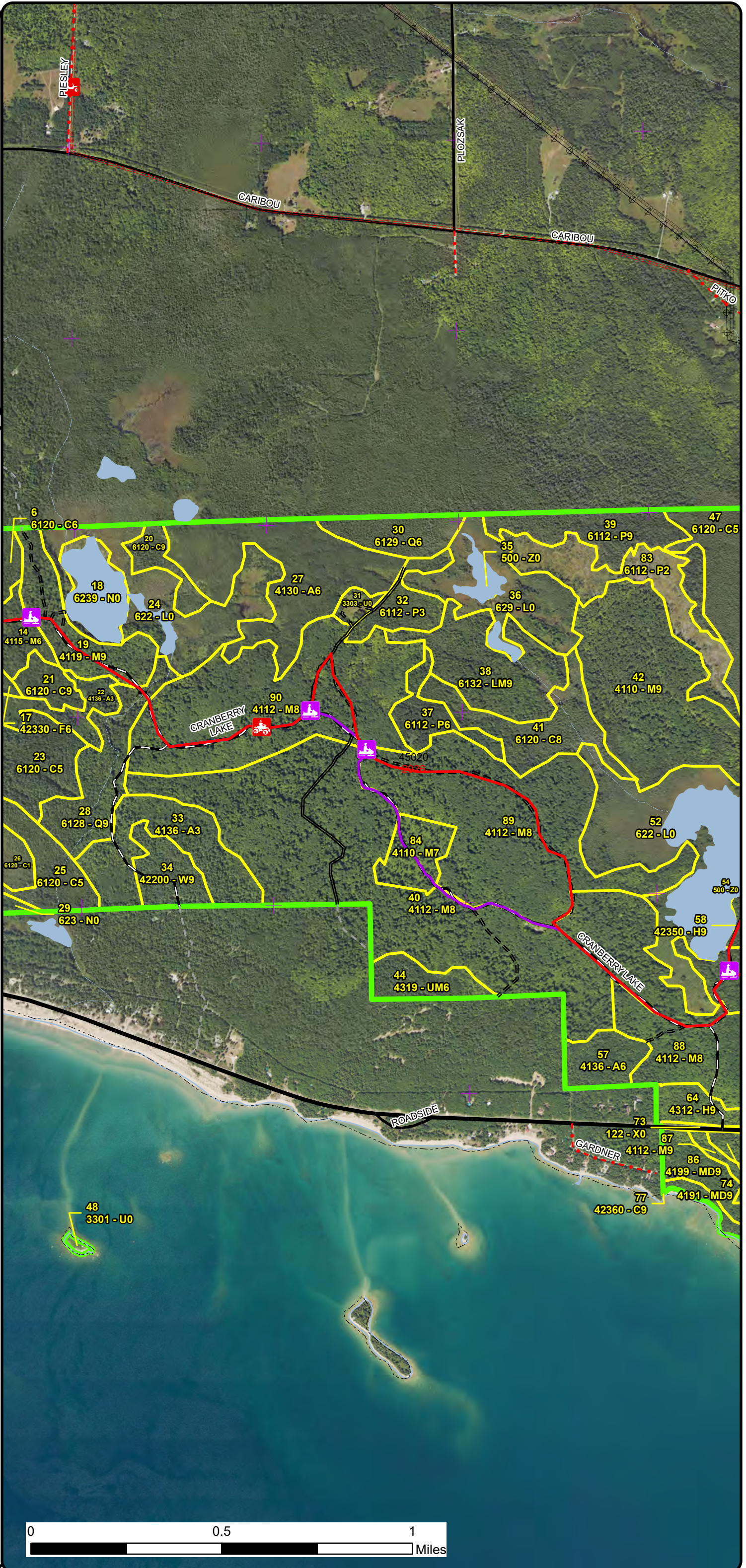


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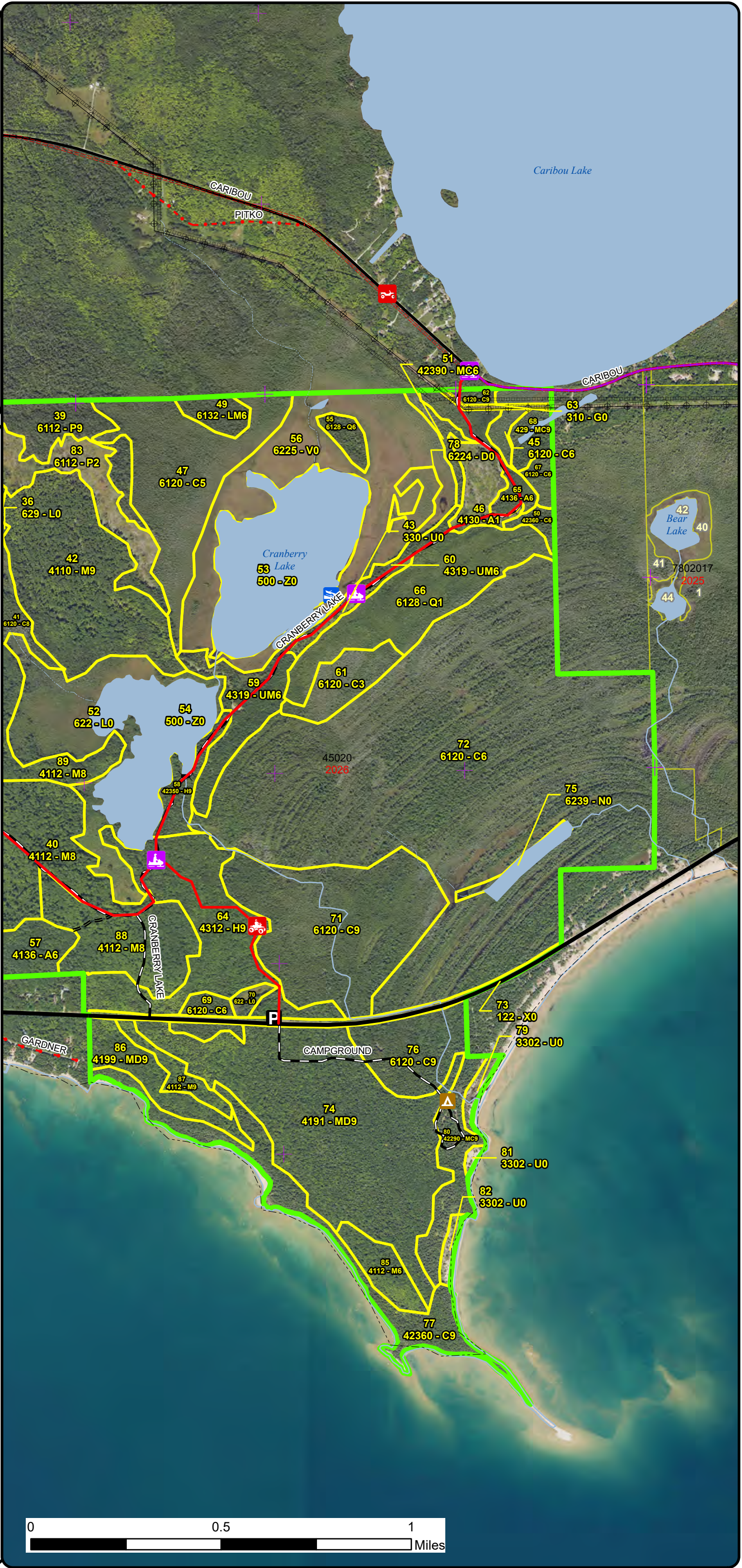
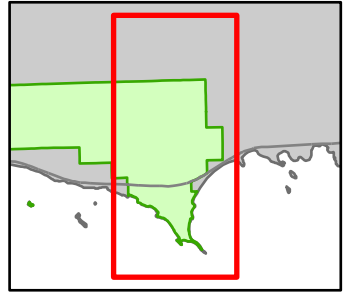


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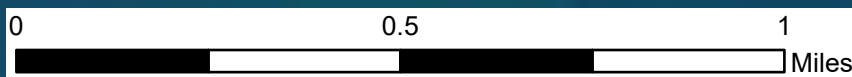


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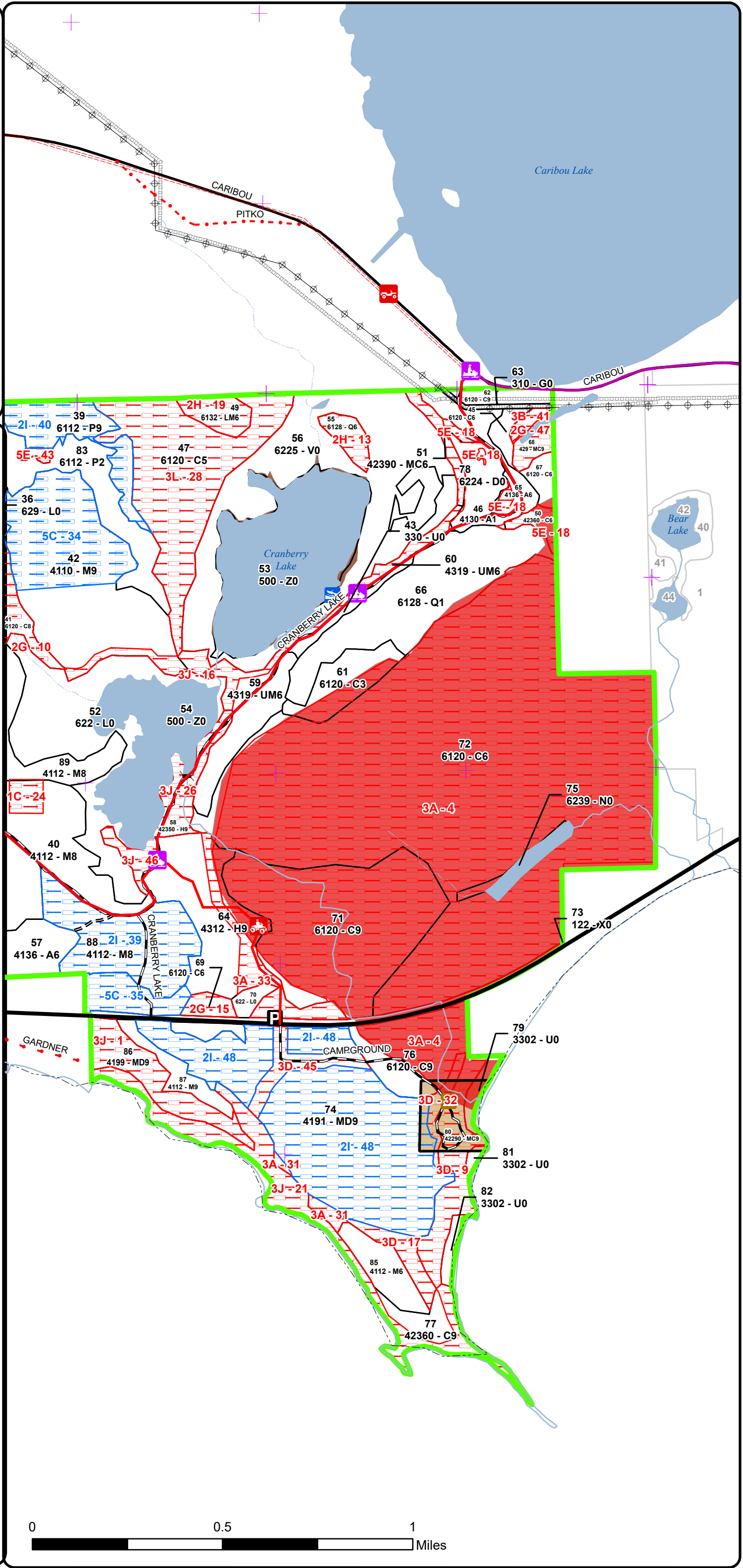
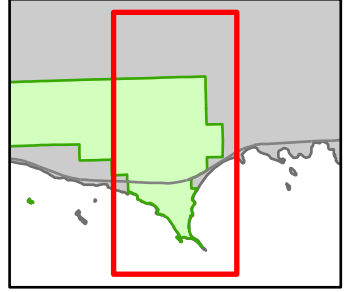


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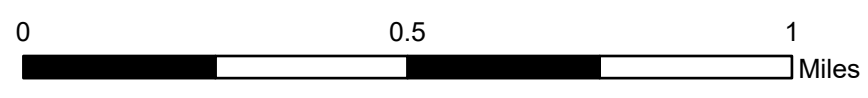


Special Conservation Areas & Site Conditions Map

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- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional
- 1C: Other dept or div proc/practices
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland)
- 3A: Conservation Values incompatible with harvest at this time
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Wildlife Management Areas
- State Forest Campground



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	16	66	74	32	15	0	0	0	0	0	11	0	0	0	0	0	0	214
Bog	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
Cedar	0	0	0	0	0	0	25	14	84	3	131	256	204	507	0	0	0	0	1224
Hemlock	0	0	0	0	0	0	0	0	0	0	77	14	0	0	0	0	0	0	91
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Aspen/Balsam Poplar	0	43	17	0	16	0	0	0	0	36	0	0	0	0	0	0	0	0	112
Lowland Conifers	0	0	0	0	65	0	0	0	20	0	56	7	0	0	0	0	0	0	148
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	56
Lowland Shrub	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222
Marsh	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	22	0	29	0	0	157	0	0	0	208
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	32	128	0	0	0	0	0	160
Northern Hardwood	0	0	0	22	0	0	14	0	10	130	555	0	0	0	0	0	0	0	731
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Conifers	0	0	0	0	24	60	0	0	9	0	7	0	0	0	0	0	0	0	100
Upland Mixed Forest	0	0	0	0	47	0	0	0	0	7	0	0	0	0	0	0	0	0	54
Upland Spruce/Fir	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
White Pine	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	19
Total	533	59	83	102	184	75	39	14	123	274	826	349	332	507	157	0	0	0	3654



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 20
Total Compartment Acres: 3,653

Commercial Harvest - 343
Harvests with Site Condition - 276
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	4	0	0	0	0	0	0	0	0	4
Hemlock	0	33	0	0	0	0	0	0	0	33
Lowland Aspen/Balsam Poplar	33	0	0	0	0	0	0	0	0	33
Mixed Upland Deciduous	0	0	0	0	130	0	0	0	0	130
Natural Mixed Pines	0	0	0	0	63	0	0	0	0	63
Northern Hardwood	0	357	0	0	0	0	0	0	0	357
Total	36	390	0	0	193	0	0	0	0	619

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	619	18	0	0	0	0	0	0	0	637
Next Step	0	63	18	0	63	0	619	0	0	763
Total	619	81	18	0	63	0	619	0	0	1400



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	Habitat Cut
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Proposed Treatments:

11	45020011-Cut	3.8	4136 - Aspen, Mixed Conifer	Sawtimber Well	104	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut all trees 2" or greater. Leave hemlock, yellow birch, pine, red oak, and cedar as retention. No other retention is needed due to small stand size.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes aspen, maple, spruce, and fir.</p> <p><u>Other Comment:</u> Survey is needed before harvest.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
15	45020015-Cut	62.9	42290 - Natural Mixed Pine	Sawtimber Well	112	111-140	Harvest	Shelterwood with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Harvest all balsam fir down to 1 inch.</p> <p><u>Specs:</u> Harvest the overstory in line with the published natural pine guidance for a shelterwood cut. Target a residual basal area of 20 ft²/acre of natural overstory pine. Cut non-pine species before harvesting pine to reach the target BA.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Burn, Understory</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> red pine, white pine, oak, maple, birch</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
19	45020019-Cut	21.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	88	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Cut 0.2 to 0.5 acre (100' - 170' diameter) patches totaling 20% of the treated area (4.2 acres). reserve any sawlog sized beech remaining in overstory. exercise discretion with patch placement. focus on areas with existing desirable regeneration at least 1.5 ft tall. Where possible, reserve yellow birch and basswood. Do not cut cedar, pine, or hemlock. The tops of harvested trees will be left in the gaps.</p> <p>The rest of the stand will be thinned down to 70 ft²/acre.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> maple, yellow birch, basswood, aspen</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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39	45020039-Cut	32.5	6112 - Lowland Aspen	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Cit all trees down to 2" DBH. Retaining cedar, yellow birch, hemlock, pine, and oak. Retain patches along the southern edge of the north body of the stand; this has been delineated in MIFI. Also Buffer the wetland to the west by 100 feet.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Aspen, Birch, Cedar
Regen:

Other The retention patches along the southern edge of the stand will preserve perching habitat for both this stand and the stand directly to the south as both stands regenerate.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2025

88	45020040-11- New	46.6	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	96	111-140	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
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Prescription Stand will be harvested via patch cuts between 0.2 and 0.5 acres in size (100'-170' diameter). The location of patches will be identified by the presence of "robust" seedlings approximately knee-high (1.5 feet) or greater. Gap area should fall between 10 and 20% of the stand (4.6 - 9.3 acres), but may be significantly less if there is a lack of areas with sufficient regeneration present. The tops from harvested trees will be left inside gaps.

The rest of the stand will be subject to an intense selection cut with a target residual BA of 60-70 ft²/acre. The higher intensity will promote robust seedling establishment between cutting cycles, creating more options for patch creation in the future. Do not mark yellow birch, hemlock, oak, or pine.

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

Acceptable red maple, sugar maple, aspen, birch, basswood.
Regen:

Other As beech was harvested previously in a salvage cut, beech brush should not be an issue in the new patches.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2025

89	45020040-12- New	121.4	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	96	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	No
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Prescription This stand will be subject to aselection cut with a target residual BA of 70-80 ft²/acre. The target BA was selected due to the smaller diameter size of the stand

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

Acceptable red maple, sugar maple, aspen, birch, basswood.
Regen:

Other As beech was harvested previously in a salvage cut, beech brush should not be an issue in the new patches.
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
90	45020040-13-New	126.7	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	96	111-140	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> Stand will be harvested via patch cuts between 0.2 and 0.5 acres in size (100'-170' diameter). The location of patches will be identified by the presence of "robust" seedlings approximately knee-high (1.5 feet) or greater. Gap area should fall between 10 and 20% of the stand(12.7 - 25.3 acres), but may be significantly less if there is a lack of areas with sufficient regeneration present. The tops from harvested trees will be left inside gaps.</p> <p>The rest of the stand will be subject to an intense selection cut with a target residual BA of 60-70 ft²/acre. The higher intensity will promote robust seedling establishment between cutting cycles, creating more options for patch creation in the future. Do not mark yellow birch, hemlock, oak, or pine.</p> <p>Leave 100' buffer along the stream at the far west of the stand.</p> <p>Some areas with boulders are present. Areas with large boulders will be avoided.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> red maple, sugar maple, aspen, birch, basswood.</p> <p><u>Other Comment:</u> As beech was harvested previously in a salvage cut, beech brush should not be an issue in the new patches.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											
42	45020042-Cut	40.8	4110 - Sugar Maple Association	Sawtimber Well	86	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> 0.2 to 0.5 acre patch cuts (100' - 170' diameter) spread across the treated area. Target openings in areas where advanced desirable seedlings are present (> 1.5 ft tall) and that are operable with respect to the boulders.. Select cut the rest of the stand to a BA of 70 ft²/acre. Total area of patches should equal 10% of the treated area (4.6 acres).</p> <p>Leave the tops of harvested trees scattered throughout the cut patches. Reserve hemlock, pine, and cedar.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> maple, birch, basswood, ironwood, hemlock, aspen.</p> <p><u>Other Comment:</u> A beech salvage cut had previously been conducted on this stand. Areas that were thinned as part of the beech salvage may be below target BA already and may reduce the volume of the harvest.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											
64	45020064-Cut	33.3	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	98	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> Harvest maple, paper birch, fir, and spruce that can be accessed from the hardwood stand to the west. Do not harvest yellow birch, hemlock, pine, and cedar.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> maple, birch, hemlock, cedar.</p> <p><u>Other Comment:</u> This will be a lighter cut. on the western crescent of the stand there appears to be opportunity to harvest limited red maple and aspen around the hemlock and cedar present in the stand. Take care not to damage tree species desired for retention.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
74 45020074-Cut	130.1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	137	111-140	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Reduce canopy closure to 50% (approximately 50-60 BA). Harvest all species other than red oak, pine, yellow birch, hemlock, cedar first.</p> <p><u>Specs:</u> Then remove poorly formed red oak, followed by the healthy red oak and pine, until target canopy closure is reached. Remove balsam fir down to 1 inch. Reserve white pine advanced regeneration where possible. Buffer 300 ft from shoreline and 100 ft from campground, campground access road, and walking trail that travels through the stand. A cultural site consisting will be buffered 100 ft as well.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak, pine, red maple yellow and paper birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> The intensity of the cut follows results outlined in "Differential success of oak and red maple regeneration in oak and pine stands on intermediate-quality sites in northern Lower Michigan" Hartman 2005 which shows an increase in viable oak seedlings and saplings relative to red maple in shelterwood systems of varying intensity. After walking the site with Jason Tokar. Canopy closure goal was increased from 25% to 50%. There will be areas with pre-existing sparse canopy and areas where tree health is poor that will have a lower residual canopy than 50%.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
84 45020084-Prep	17.8	4110 - Sugar Maple Association	Sawtimber Poor	96	51-80	SitePrep	Scarification	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Masticate or otherwise mechanically remove areas with excessive rubus spp. to serve as site preparation for oak planting. stay away from</p> <p><u>Specs:</u> advance regeneration of sugar maple and yellow birch.</p> <p><u>Next Step</u> Planting, Interplant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> oak, maple, yellow birch</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Total Treatment 637.1
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Compartment: 20

Louis Radecki : Examiner

Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
214	201	6	7

Dominant Site Conditions

	Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Conditions														
					2I	5C	1C	2G	2H	3A	3B	3D	3G	3H	3J	3L	5D	5E	
214	201	6	7	Aspen	6											5			2
110	110	0	0	Bog															
1224	381	0	843	Cedar				40		582					71	45	76	25	5
91	33	14	44	Hemlock		14				24						20			
2	2	0	0	Herbaceous Openland															
21	19	0	1	Low-Density Trees								0	1			0			
113	76	32	4	Lowland Aspen/Balsam Poplar	32											1			3
147	65	10	71	Lowland Conifers		10		27	7									38	
57	0	0	57	Lowland Mixed Forest				47	9										
222	222	0	0	Lowland Shrub															
44	37	0	7	Marsh						7									
209	0	130	79	Mixed Upland Deciduous	130					3		24				51			
160	0	104	56	Natural Mixed Pines		104		2				25				28			
731	601	109	21	Northern Hardwood	47	63	15									5			
7	7	0	0	Treed Bog															
99	24	44	31	Upland Conifers		44		0			8					20			1
54	39	0	15	Upland Mixed Forest												15			
6	6	0	0	Upland Spruce/Fir															
17	17	0	0	Urban															
110	110	0	0	Water															
19	19	0	0	White Pine															
3,653	1,969	450	1,234	Total Forested Acres	215	235	15	117	16	616	8	49	1	71	229	76	25	11	
	54%	12%	34%	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)	22	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
retain stand to maintain size diversity as large stand to the east will be harvested. Part of this stand is also within the lakeshore buffer.							

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2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3G: Other Influence zones - See comments	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Great Lakes Island.							
4	Unavailable	3A: Conservation Values incompatible with harvest at this time	596	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Dune and Swale ERA							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3D: Recreational / Scenic values	25	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Stand contains the Detour State Forest Campground							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	83	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Most of these two stand were flooded during inventory, they also contain a stream. There is some operable ground but likley not enough to go after.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3D: Recreational / Scenic values	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Area of cedar retention along with areas of poor quality.							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

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20	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	40	3D: Recreational / Scenic values	5E: Long-Term Retention	Unspecified	Unspecified
Comments: Stand is a good buffer along the shoreline that should not be cut.							
22	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Walters Research Project: Long-term beech regeneration monitoring, up to 20 years (through 2039)							
23	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Walters Research Project: Long-term beech regeneration monitoring, up to 20 years (through 2039)							
24	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Walters Research Project: Long-term beech regeneration monitoring, up to 20 years (through 2039)							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 20

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26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: Buffer along the pond containing Hemlock. This buffer protects wildlife habitat.							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3L: Other wildlife concerns	76	2G: Too wet (sensitive soils, does not include access issues)	5D: Unproductive Forest Land	Unspecified	Unspecified
Comments: Small diameter cedar growing on wet ground with very difficult access. WLD would like to leave for cover and a buffer along the lake.							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5D: Unproductive Forest Land	25	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	3B: Threatened, endangered, and special concern species	3D: Recreational / Scenic values	5E: Long-Term Retention	Unspecified
Comments:							

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32	Unavailable	3D: Recreational / Scenic values	5	3B: Threatened, endangered, and special concern species	5E: Long-Term Retention	Unspecified	Unspecified
Comments:							
33	Unavailable	3A: Conservation Values incompatible with harvest at this time	17	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: The east of this stand contains enough hemlock to make operations unfeasible. Leave for long term retention and hemlock protection.							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	2I: Survey needed	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Survey needed to find boundaries on the southwest of this stand.							
40	Available	2I: Survey needed	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Survey needed to find the north line along this stand.							
41	Unavailable	3B: Threatened, endangered, and special concern species	9	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Survey needed to find the east line along this stand. Osprey and eagle nests are reported just to the east on private land. The buffers for these stands impact approximately 50% of the stand and make a clear-cut treatment not viable at this time.							
42	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Louis Radecki : Examiner

Compartment: 20

Year of Entry: 2026

43	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treatment on hold pending final guidance on natural pine.							
45	Unavailable	3D: Recreational / Scenic values	11	5E: Long-Term Retention (Inactive)3I: Historical / archeological (add locked comments)		Unspecified	Unspecified
Comments:							
46	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	3L: Other wildlife concerns	5E: Long-Term Retention	Unspecified	Unspecified
Comments:							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	2I: Survey needed	130	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
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.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6120 - Lowland Cedar	Poletimber Well	63.1	106	171-200	N/A	Stand of very thick cedar growing on wet ground. Some areas of nice log size trees.																																														
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2	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	21.7	100	111-140	N/A	Stand borders the creek with beaver activity. Mostly declining birch and red maple with super canopy white pine.																																																																
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3	622 - Lowland Shrub	Nonstocked	22.1			No	Albany Creek runs through this stand. Some cedar in the stand. FTP #F45-198 for beaver removal and dam removal in this stand
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4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	10.9	98	Unspecified	N/A	There is an old skid trail leading right to this stand. About an acre of the stand was cut approx. at the same time as the stand to the south.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.6	104	111-140	N/A	Similar to the stand to the south. Large aspen and birch. Some cedar in the stand as you get close to the creek.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Bigtooth Aspen	23	Log/XLog/Pole	14	104
Northern White Cedar	5	Log/Pole	10	
Paper Birch	20	Log/Pole	11	
White Pine	5	Log/XLog	16	
Red Maple	15	Pole/Log	9	
Red Oak	2	Log	16	
Quaking Aspen	15	Log/Pole/XLog	14	
White Spruce	5	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Sapling
Maple (spp.)	Medium	Variable	Sapling
Balsam Fir	High	Variable	Sapling

6	6120 - Lowland Cedar	Poletimber Well	33.0	100	111-140	N/A	This is a variable stand of cedar. On the east side of the stand the stand is very thick with small diameters but on the west side of the stand the diameters are larger. There are also a few small ridges in the stand that are dryer than the surrounding area.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log	16	
Paper Birch	6	Pole	7	
Red Maple	5	Pole	7	
Tamarack	10	Log/Pole	10	
Hemlock	2	Pole	9	
White Spruce	5	Pole	8	
Northern White Cedar	60	Pole/Log/Sap	8	100
Quaking Aspen	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	Variable	Sapling
Deciduous Saplings	Low	5 - 10 feet	Sapling
Balsam Fir	High	Variable	Sapling

7	429 - Mixed Upland Conifers	Poletimber Well	59.5	46	111-140	N/A	Stand was cut in 1978. Scattered log size pines along with a few other species. The regen from that cut is right on the edge of a pole/sapling size and is very thick. The regen second cohort is dominated by balsam fir. pole sized now and will grow nicely. Dune and swale topography.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Pole	6	
White Pine	15	XLog	18	
White Spruce	3	Pole	6	
Red Pine	15	Log	15	114
Balsam Fir	35	Pole/Sapling	5	46
Yellow Birch	2	Pole	8	
Bigtooth Aspen	15	Pole/Sapling	6	46
Paper Birch	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Medium	5 - 10 feet	Sapling
Aspen (spp.)	Medium	Variable	Sapling
Balsam Fir	High	Variable	Sapling
White Pine	Low	< 5 feet	Sapling
White Spruce	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	7.2	95	81-110	N/A	About one quarter of the stand is lowland shrub. Stand is flooded in the spring time.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	45	Pole/Log	8	95	Northern White Cedar	Low	Variable	Sapling
Balsam Poplar	25	Pole	7		Black Spruce	Low	< 5 feet	Sapling
Paper Birch	10	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	7		Balsam Fir	High	Variable	Sapling
Balsam Fir	10	Pole	6					

9	429 - Mixed Upland Conifers	Poletimber Well	23.9	34	81-110	N/A	I am guessing that this stand was cut in 1990 about the same time as the adjacent stand. Regenerated to an aspen/spruce/fir stand. There is much more conifer in the canopy than in the adjacent stand. Scattered supercanopy red and white pine present through the stand. Some large red maple can also be found in the overstory. Very thick with conifers in the understory and gaps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Pole/Log	8		Paper Birch	Low	10 - 20 feet	Sapling
Balsam Fir	32	Sapling/Pole	3	34	Red Pine	Low	< 5 feet	Sapling
Bigtooth Aspen	10	Log/XLog	16		Deciduous Saplings	Low	5 - 10 feet	Sapling
Red Maple	10	Log/Pole	11		Balsam Fir	High	Variable	Sapling
Red Oak	2	XLog	20		White Pine	Medium	< 5 feet	Sapling
Red Pine	3	Log/Pole	11					
Northern White Cedar	5	Pole	8					
Paper Birch	3	Log/Pole	10					
White Spruce	15	Sapling/Pole	4					

10	122 - Road/Parking Lot	Nonstocked	2.5			No	
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11	4136 - Aspen, Mixed Conifer	Sawtimber Well	10.6	104	81-110	N/A	Stand has really large aspen with pole size birch. Fairly thick understory. Some cedar can be found in the southern portions of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	14		Beech	Low	< 5 feet	Sapling
Red Maple	20	Pole/Log	8		Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	5	Pole/Sapling	5		Balsam Fir	High	Variable	Sapling
White Spruce	5	Log	12					
Paper Birch	10	Pole	9					
Bigtooth Aspen	35	XLog	18	104				
Quaking Aspen	15	Log/Pole/XLog	14					

12	4134 - Aspen, Spruce/Fir	Sapling Well	15.4	34	81-110	N/A	Stand is right on the edge of being called a pole size stand. This stand was cut in 1990 and the resulting regen was a mix of aspen and fir with some white pine mixed in. Some areas of this stand are lowland and can be flooded during wet periods.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Sapling/Pole	3	34	Red Maple	Low	5 - 10 feet	Sapling
White Spruce	5	Sapling	3		Balsam Fir	High	Variable	Sapling
Bigtooth Aspen	15	Pole	6	34				
Paper Birch	5	Sapling	3					
Balsam Fir	20	Sapling/Pole	4					
White Pine	5	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13	42290 - Natural Mixed Pine	Sawtimber Medium	31.8	108	51-80	N/A	Dune and swale ridges with pine. Swales have a mix of lowland shrub and cedar. Fairly open canopy compared to the stand to the west.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/Pole	11	
Red Pine	40	XLog	19	
White Spruce	5	Pole	8	
Red Oak	10	Log	12	
White Pine	40	Log	16	108

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
White Spruce	Medium	Variable	Pole
Red Maple	Medium	5 - 10 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	Medium	5 - 10 feet	Sapling
Northern White Cedar	Medium	Variable	Pole

14	4115 - Y.Birch, Hemlock NH	Poletimber Well	21.6	25	51-80	N/A	Stand was thinned in the past and has some really good regeneration. The east side of this stand has some lower ground with a cedar and hemlock component. The beech in this stand is too big and is of too poor quality to a salvage. They are making great wildlife trees. the second cohort of mainly red maple has grown into a healthy pole sized midstory. there is a dirt bike trail that is visible on the aerial imagery. The understory has areas of very thick beech brush and may need treatment if stand fails to stock with desirable species from this cohort.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Pole/Log	9	
Sugar Maple	5	Pole	8	
Red Maple	35	Sapling	4	25
Hemlock	5	Log	13	
Red Maple	25	Log/XLog	16	98
Yellow Birch	15	Log/Pole	12	
Paper Birch	5	Pole	7	
Beech	5	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Red Maple	High	>20 feet	Sapling
Striped Maple	Medium	5 - 10 feet	Sapling
Beech	High	5 - 10 feet	Sapling

15	42290 - Natural Mixed Pine	Sawtimber Well	102.5	112	111-140	N/A	Very nice stand of natural pine growing on dune and swale topography. mature aspen being replaced by cohort of almost exclusive balsam fir.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Log	14	
Red Pine	40	XLog	19	112
Red Maple	5	Log	13	
Red Oak	5	Log	15	
Paper Birch	5	Pole/Log	9	
White Spruce	10	Log/Pole	10	
White Pine	30	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Beech	Low	5 - 10 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling

16	6120 - Lowland Cedar	Sawtimber Well	7.5	96	111-140	N/A	Most of this stand is solid to cedar but in some places it is a little more mixed with pole sized balsam fir and scattered large declining aspen.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/Pole	10	
Paper Birch	5	Log/Pole	11	
Balsam Fir	10	Pole	5	
Bigtooth Aspen	5	Log	16	
White Pine	5	Log/XLog	16	
Northern White Cedar	60	Log/Pole	11	96
White Spruce	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	< 5 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling
Balsam Fir	High	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17	42330 - Upland Fir	Poletimber Well	5.9	25	51-80	N/A	Stand dominated by balsam fir. The east end has good pole sized trees and the west end contains smaller younger trees. there is a ridge that runs along the south that has scattered red and white pine poles. There is what appears to be a mountain bike trail that loops through this stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		8	Pole	6	25	Red Maple		Medium	< 5 feet	Sapling	
White Pine		2	Pole	8		Striped Maple		Medium	5 - 10 feet	Sapling	
Balsam Fir		80	Pole	6	25	Beech		Low	Variable	Sapling	
Black Cherry		3	Sapling	3		Balsam Fir		Medium	< 5 feet	Sapling	
Paper Birch		5	Pole	7							
Red Pine		1	Pole	8							
Balsam Poplar		1	Log/Pole	12							

18	6239 - Mixed Emergent Wetland	Nonstocked	23.2			No	flooded at some times of the year
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19	4119 - Mixed Northern Hardwoods	Sawtimber Well	33.9	88	81-110	N/A	Stand was thinned in 2009. Beech was removed from the northern portion of the stand in 2016 (Beaver beech). DBH drops of a little in the northern part of the stand. All the balsam fir regeneration is along the outer edge of the stand. Regen is mostly maple with lots of stripped maple.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Log/Pole	13		Wild Red Raspberry		Low	< 5 feet	Tall Shrub	
White Pine		2	XLog/Log	20		Striped Maple		Medium	< 5 feet	Sapling	
Beech		5	Log	14		Balsam Fir		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		3	Log/Pole	11		Sugar Maple		Medium	5 - 10 feet	Sapling	
Yellow Birch		10	Log	14		Beech		Medium	5 - 10 feet	Sapling	
Paper Birch		5	Pole	8							
Sugar Maple		68	Log	14	88						
Northern White Cedar		2	Log	12							

20	6120 - Lowland Cedar	Sawtimber Well	11.4	108	111-140	N/A	Cedar with scattered deciduous trees over the top of it. The spruce in this stand are of real nice quality.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Poplar		5	Log/Pole	10		Northern White Cedar		Low	5 - 10 feet	Sapling	
Balsam Fir		20	Pole	7		Balsam Fir		Medium	Variable	Sapling	
White Spruce		5	Log	14							
Northern White Cedar		57	Log/Pole	10	108						
Paper Birch		10	Pole/Log	8							
Red Maple		3	Pole	8							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																											
21	6120 - Lowland Cedar	Sawtimber Well	10.3	95	141-170	N/A	Cedar with a good mix of other species. Ground is somewhat wet in early April. Not a whole lot of saplings in the understory. Some small areas of tag alder within the stand. Larger cedar in the north part of the stand.																																																																											
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22	4136 - Aspen, Mixed Conifer	Sapling Well	20.2	14	Immature	N/A	Stand was cut in 2010. Good regeneration that is over 25ft tall. Scattered larger trees mostly yellow birch, white pine and cedar. Some regeneration of white pine can be seen.																																																																											
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23	6120 - Lowland Cedar	Poletimber Medium	64.9	72	1-50	N/A	Sapling and pole size cedar with scattered log size supercanopy white pine. Stand is very thick. There is a dirt bike trail that runs through the center of this stand.																																																																											
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24	622 - Lowland Shrub	Nonstocked	55.4			No	Some areas of water within the stand. Scattered cedar and spruce trees.																																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	6120 - Lowland Cedar	Poletimber Medium	204.2	112	111-140	N/A	Large stand of cedar with super canopy white pine. Some of the cedar in this stand is in decline. There are some areas of sapling size trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Pole	7		White Pine	
Balsam Poplar		3	Pole	8		Deciduous Shrubs	
Yellow Birch		2	Pole	9		Balsam Fir	
Black Spruce		2	Pole	7		Northern White Cedar	
Paper Birch		2	Pole	8			
Red Maple		3	Pole	8			
White Pine		5	Log/XLog	15			
Northern White Cedar		75	Pole/Log	8	112		
Tamarack		3	Pole	8			
26	6120 - Lowland Cedar	Sapling Poor	24.9	55	Unspecified	N/A	Small cedar with lowland brush.
Canopy Species		% Cover	Size Class	DBH	Age		
Tamarack		10	Sapling/Pole	3			
White Pine		2	Log/Pole	13			
Black Spruce		10	Sapling/Pole	3			
Northern White Cedar		78	Sapling/Pole	3	55		
27	4130 - Aspen	Poletimber Well	74.2	23	Immature	N/A	Stand was cut in 2001. Very nice regeneration that is doing well. There are some areas of the stand which are more lowland and wet. a very wet area cuts this stand into north and south segments and there is evidence of beaver activity. Yellow birch were left during the harvest, most of which are dying.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		6	Sapling/Pole	4		Quaking Aspen	
Paper Birch		2	Sapling	2		Red Maple	
Red Maple		2	Pole	5		Balsam Fir	
Quaking Aspen		90	Pole/Sapling	5	23		
28	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	37.6	98	111-140	N/A	A creek runs through the middle of this stand. The stand includes the banks and flood plain of the creek. Lots of nice hemlock in the stand. There is an area on the west side of the creek where the conifer component in the canopy is lower and there is a higher maple/birch component. throughout much of the west of the stand white pine makes up the majority of the canopy. Balsam fir is dominant in the understory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		26	XLog/Log	18	98	Striped Maple	
Hemlock		20	Log	14		Northern White Cedar	
Yellow Birch		5	Log/Pole	13		Balsam Fir	
Red Oak		3	Log	14		White Spruce	
White Spruce		5	Log	14		Beech	
Red Maple		10	Log/Pole	11	106		
Bigtooth Aspen		1	XLog	20			
Paper Birch		15	Pole	9			
29	623 - Emergent Wetland	Nonstocked	13.6			No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 6129 - Mixed Coniferous Lowland Forest Poletimber Well 19.6 75 1-50 N/A Low wet ground with smaller diameter cedar and pole size black spruce and tamarack. Very poor quality site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	15	Pole	7		Labrador Tea	Low	< 5 feet	Tall Shrub
Northern White Cedar	45	Pole	9	75	Bunchberry	Low	< 5 feet	Tall Shrub
Tamarack	35	Pole	8		Northern White Cedar	Medium	5 - 10 feet	Sapling
					Willow spp.	Medium	10 - 20 feet	Tall Shrub
					Balsam Fir	Medium	< 5 feet	Sapling
					Tamarack	Low	10 - 20 feet	Sapling

31 3303 - Mixed Low Density Trees Nonstocked 4.8 No Site of an old logging camp. Foundation is still present.

32 6112 - Lowland Aspen Sapling Well 16.9 13 Immature N/A Stand was cut in 2010. Wet ground. Regen is doing quite well. Nice buffer/retention along the wetland edge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	7		Balsam Fir	Low	< 5 feet	Sapling
Balsam Poplar	3	Sapling	3		Striped Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	3	Pole	8		Quaking Aspen	High	Variable	Sapling
Red Maple	5	Sapling	1					
Paper Birch	2	Pole	8					
Quaking Aspen	65	Sapling	3	13				
Balsam Fir	10	Sapling/Pole	3					
Northern White Cedar	2	Pole	6					
Bigtooth Aspen	5	Sapling	3	13				

33 4136 - Aspen, Mixed Conifer Sapling Well 45.6 14 1-50 N/A Stand was cut in 2010. The east side of the stand has significantly more white pine that were left during the harvest. A strip of paper birch and red maple was left on the hill between this stand and the hardwood. Regen is doing very well in this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Sapling/Pole	3		Balsam Fir	Low	5 - 10 feet	Sapling
Red Oak	2	Log	13		Beech	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole	8		White Pine	Low	5 - 10 feet	Sapling
Red Maple	3	Pole/Log	8					
Northern White Cedar	2	Pole	8					
Red Maple	20	Sapling	3					
White Pine	5	Log	16	87				
Yellow Birch	2	Log	12					
Hemlock	2	Pole	8					
Bigtooth Aspen	40	Sapling	4	14				
Beech	2	Log	14					
Paper Birch	5	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
34	42200 - Natural White Pine	Sawtimber Well	18.9	85	81-110	N/A	Stand was left when the surrounding stand was harvested. Mostly pole size white pine with some scattered log size trees. Looks like the stand may have been harvested in the past bc there are two diameter classes of white pine present. The older trees are around 85 years old, and the younger trees are about 40 years old.																																																																							
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35	500 - Water	Nonstocked	2.0			No	Beaver lodge in the middle of the pond with a good size dam along the south side of the pond.																																																																							
36	629 - Mixed non-forested wetland	Nonstocked	47.0			No	This stand is dominated by lowland shrub and emergent wetland. Some areas of this stand are low density conifer trees dominated by cedar spruce and fir. There are a few island pockets of nice pole size timber. lots of tag alder.																																																																							
37	6112 - Lowland Aspen	Poletimber Well	16.1	35	81-110	N/A	Young aspen stand that was cut in 1989. Stand is right on the edge of pole and sapling size.																																																																							
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38	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	47.3	87	111-140	N/A	Stand of lowland hardwoods with scattered cedar. There looks to be a few drainages or streams running through the stand. A couple of patches of lowland shrub. Nice hemlock in the southeast.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39 6112 - Lowland Aspen Sawtimber Well 36.3 84 81-110 N/A Stand of very nice log and pole size aspen with pole size paper birch. Scattered cedar. Northwest area looks to have smaller diameters than where I walked through the stand on the east side. There is quite a bit of small cedar in the midstory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	7		Striped Maple	Low	5 - 10 feet	Sapling
White Spruce	7	Log	11		Maple (spp.)	Medium	5 - 10 feet	Sapling
Northern White Cedar	3	Pole	8		Northern White Cedar	High	10 - 20 feet	Sapling
Balsam Poplar	5	Pole	9		Balsam Fir	High	Variable	Sapling
Quaking Aspen	30	Log	16		White Spruce	Low	< 5 feet	Sapling
Paper Birch	5	Pole	7	84	Paper Birch	Low	5 - 10 feet	Sapling
Bigtooth Aspen	40	Log	16	84				

40 4112 - Maple, Beech, Cherry Association Sawtimber Medium 232.3 96 111-140 N/A Stand has a lot of glacial eradic boulders. Beech was salvaged from this stand completed in spring of 2017. Areas within this stand have had oak seedlings planted; no survivors were found in spring 2024. Far southern portion BA 130-150 mix of sugar maple and red maple. South salvage cut Lots of beech regen. also significant red and s maple. especially str maple in larger gaps, also robust and scattered spruce and white pine. Outside of gaps sugar maple is dominant avg 15" BA 100-110 some boulders on NE of road. central salvage cut in gaps lots of beech striped maple and rubus. Scattered large sugar maple ~17-24" YB present at 10" DBH. Outside of gaps sugar maple dominates 15-18" 100BA. Low sugar maple seedling with 5' beech and striped maple. North salvage cut Overstory: sugar maple dominates, same as rest of stand. Understory: Good mix of beech and sugar maple 5-10'. Much less striped maple. In the small gaps, striped maple and rubus still present, but sugar maple seedlings able to get through.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	2	Log	14		Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole	13		Sugar Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	2	XLog/Log	18		Balsam Fir	Low	5 - 10 feet	Sapling
Paper Birch	2	Log/Pole	11		Common Or Ground Juniper	Low	< 5 feet	Tall Shrub
Red Maple	5	Log	16		Red Maple	Low	5 - 10 feet	Sapling
Red Oak	2	Log	14		Ironwood	Low	10 - 20 feet	Sapling
White Pine	2	Log	15		Striped Maple	Medium	5 - 10 feet	Sapling
Sugar Maple	78	Log/XLog	15	96				
Hemlock	2	Log	15					

41 6120 - Lowland Cedar Sawtimber Medium 35.3 100 51-80 N/A Variable stand dominated by cedar. Northeast part of stand is flooded timber with some islands of trees. Some areas of really nice cedar and other areas of lowland shrub with scattered cedar. Streams running through the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	9		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Log	8		Northern White Cedar	Low	< 5 feet	Sapling
Yellow Birch	5	Log/Pole	12		Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole	7		Bunchberry	Low	< 5 feet	Tall Shrub
White Spruce	3	Pole	9		Balsam Fir	High	Variable	Sapling
Northern White Cedar	65	Pole/Log/Sap	8	100	White Spruce	Low	< 5 feet	Sapling
White Pine	5	Log	15					
Hemlock	2	Pole/Log	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	4110 - Sugar Maple Association	Sawtimber Well	96.1	86	81-110	N/A	<p>The stand was thinned in 2020 as part of Cranberry Hardwood Take II. The Southern portion of the stand is dominated by large log size trees and contains most of the beech which was salvaged. The northern part of the stand is dominated by pole and small log size trees. Very open understory in this stand, there are good seedlings of sugar maple and beech and striped maple advancing in the gaps from the salvaged beech. sugar maple seedlings throughout seem to be browsed by deer. More gaps may give it enough supply to get past the deer. Scattered large boulders. As you transition into the wetland on the west side of the stand, it becomes a mix of yellow birch, cedar, and red maple.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		3	Log/Pole	13		Wild Red Raspberry		Medium	< 5 feet	Tall Shrub	
Bigtooth Aspen		3	Log/Pole	10		Beech		Medium	5 - 10 feet	Sapling	
Hemlock		2	Pole/Log	9		Sugar Maple		Medium	5 - 10 feet	Sapling	
Northern White Cedar		2	Pole/Log	8		Striped Maple		Low	5 - 10 feet	Sapling	
Balsam Fir		2	Log/Pole	10							
Yellow Birch		4	Log	14							
Paper Birch		2	Pole	7							
Sugar Maple		81	Log/Pole	13	86						
Beech		1	Pole	7							

43	330 - Low-Density Trees	Nonstocked	5.2	0	Unspecified	No	Stand was cut in the winter of '19-'20 as part of Cranberry Hardwood Take II.
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44	4319 - Mixed Upland Forest	Poletimber Well	16.9	31	1-50	N/A	<p>Stand was cut in 1993. Most of the aspen was removed from the stand leaving the white pine red oak and some other random species. Areas that were opened up the most have aspen regeneration in them other areas where the canopy was not opened as much have maple regen. Some areas of this stand look to have been untouched during the harvest. Dune and swale type topography.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		32	Pole	6	31	Red Maple		Medium	5 - 10 feet	Sapling	
White Spruce		3	Log	13		Red Oak		Low	< 5 feet	Sapling	
Balsam Fir		22	Pole	5		Balsam Fir		Medium	< 5 feet	Sapling	
Beech		3	Pole	5		Beech		Low	Variable	Sapling	
White Pine		16	Log/XLog	17	104	Striped Maple		Medium	5 - 10 feet	Sapling	
Paper Birch		6	Log/Pole	10		White Pine		Low	< 5 feet	Sapling	
Sugar Maple		9	Log/XLog	16							
Red Oak		9	Log	17							

45	6120 - Lowland Cedar	Poletimber Well	8.6	66	81-110	N/A	<p>Low wet ground with stunted trees. Quality is very poor with a mix of cedar and tamarack with dogwood and black spruce, fir, cedar, tag alder in understory. Very wet. Trees on the north side of the powerline are a bit larger. Poor canopy closure. Thick understory of various trees and shrubs.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		85	Pole	7	66	Balsam Fir		Medium	Variable	Sapling	
Tamarack		3	Pole	8		Sphagnum Moss		Full	Unspecified	Non-Wood	
White Pine		2	XLog	18		Labrador Tea		High	< 5 feet	Tall Shrub	
Black Spruce		10	Sapling/Pole	3		Leatherleaf		Low	5 - 10 feet	Tall Shrub	
						Northern White Cedar		Medium	< 5 feet	Sapling	
						Red Osier Dogwood		Medium	< 5 feet	Tall Shrub	
						Black Spruce		Low	< 5 feet	Sapling	
						Tag Alder		Medium	5 - 10 feet	Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
46	4130 - Aspen	Sapling Poor	15.8	4	Immature	N/A	Stand was cut in the winter of '19-'20 as part of Cranberry Hardwood Take II.																																																											
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47	6120 - Lowland Cedar	Poletimber Medium	76.1	106	111-140	N/A	A lot of dead pole size cedar along the east side of the stand with sapling cedar growing underneath. The west of the stand contains pole sized cedar with log-sized CWD. Balsam fir and tag alder heavily present in understory.																																																											
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48	3301 - Low Density Deciduous Trees	Nonstocked	1.3		Unspecified	No	Island in Lake Huron with a few scattered trees and shrubs																																																											
49	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	9.2	85	111-140	N/A	Slightly drier area of the lowland around cranberry lake that is supporting a decent stand of spruce, fir, and cedar with a few birch and red maple.																																																											
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50	42360 - Upland Cedar	Poletimber Well	4.5	105	141-170	N/A	Stand was not cut in adjacent timber sale and was separated from stand 46.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
51	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	6.6	94	111-140	N/A	Stand serves as a buffer to the adjacent wetlands. Variable stand. Much of the stand is made up of cedar. in the south and more upland areas fir, birch, aspen, and spruce make up the canopy.																																															
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52	622 - Lowland Shrub	Nonstocked	93.4			No	There are some scattered small conifers in this stand along with the shrubs. A portion of this stand was underwater before the culvert was removed for the flooding. Lots of old stumps can be seen in that area.																																															
53	500 - Water	Nonstocked	86.5			No	Cranberry Lake																																															
54	500 - Water	Nonstocked	21.4			No	Cranberry flooding. The culvert was removed in 2013 drawing down the water level of the flooding. Boundary may change when new imagery becomes available.																																															
55	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.8	102	111-140	N/A	Island of cedar, fir, and birch. Birch is in good shape. 3/27/24 Conducted an edge survey. Trees look healthy from distance. Last surveys tree data is the most current.																																															
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56	6225 - Bog	Nonstocked	109.9			No	There are some trees in this bog but not enough to call it a treed bog. Lots of dead cedar saplings.it's worth considering a treed bog designation on the east edge of the bog. seems heavy with spruce. some scatteredpine.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57	4136 - Aspen, Mixed Conifer	Poletimber Well	17.0	32	111-140	N/A	Stand was cut in 1992 when all the aspen was removed. There is some rolling hill type topography in this stand. The stand is on the south side of a large ridge which run allong the boarder between this stand and the hardwood to the north. West side of this stand has log size white pine and red oak left from the harvest. This area has a lot of white pine regen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		8	Log	16		Striped Maple		Medium	>20 feet	Sapling	
Paper Birch		3	Pole/Sapling	6		Quaking Aspen		Low	10 - 20 feet	Sapling	
Quaking Aspen		35	Pole	5	32	Balsam Fir		Medium	Variable	Sapling	
White Pine		5	Pole	7		Red Maple		Low	5 - 10 feet	Sapling	
Red Oak		7	Log	15		White Pine		Medium	< 5 feet	Sapling	
Bigtooth Aspen		5	Log	14		Beech		Low	5 - 10 feet	Sapling	
Red Maple		2	Pole/Sapling	6							
Striped Maple		10	Sapling	2							
Sugar Maple		5	Sapling	2							
Ironwood		5	Sapling	2							
Balsam Fir		15	Pole	5							

58	42350 - Upland Hemlock	Sawtimber Well	13.9	101	81-110	N/A	Stand of nice hemlock. Some areas of good hemlock regen can be found along the road and in canopy gaps. There are some large paper birch here that likely won't make it to the next cycle				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		2	Log	14		Balsam Fir		High	Variable	Sapling	
Red Maple		5	Log/Pole	10		White Pine		Low	5 - 10 feet	Sapling	
White Spruce		10	Log	12		Hemlock		Low	< 5 feet	Sapling	
Northern White Cedar		3	Pole	8		Striped Maple		Low	5 - 10 feet	Sapling	
Paper Birch		25	Log	13		Maple (spp.)		Low	5 - 10 feet	Sapling	
Hemlock		50	Log	14	101						
Yellow Birch		5	Log	12							

59	4319 - Mixed Upland Forest	Poletimber Well	29.6	37	81-110	N/A	Stand was cut in 1987. This stand is right on the border of sapling/pole size classes. At this time saplings still dominate the canopy. Stand is inside of the dune and swale polygon but has been cut and regenerated very nicely. Mix of species is similar to what can be found in the dune and swale complex to the south.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Beech		2	Sapling	2		Northern White Cedar		Low	< 5 feet	Sapling	
Red Pine		1	Pole	9		Striped Maple		Low	10 - 20 feet	Sapling	
Paper Birch		10	Pole	7		Hemlock		Low	5 - 10 feet	Sapling	
Quaking Aspen		5	Sapling/Pole	3		Red Maple		Low	10 - 20 feet	Sapling	
Balsam Fir		30	Pole	5	37	Balsam Fir		Medium	10 - 20 feet	Sapling	
White Pine		10	Log	16							
Red Maple		25	Pole	6							
Hemlock		7	Sapling/Pole	3							
Northern White Cedar		3	Sapling/Pole	3							
Yellow Birch		2	Sapling	3							
Black Cherry		5	Pole	6							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
60	4319 - Mixed Upland Forest	Poletimber Well	7.4	86	111-140	N/A	Stand serves as a buffer to the adjacent wetlands.																																																		
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61	6120 - Lowland Cedar	Sapling Well	19.0	72	Unspecified	N/A	Area of sapling size cedar that is doing quite well. Little sign of browse. This stand resembles some of the swale areas in the dune and swale complex.																																																		
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62	6120 - Lowland Cedar	Sawtimber Well	2.9	85	141-170	N/A	Cedar stand has some areas of blow down. Scattered very large aspen. East side of the stand has more balsam fir. One super canopy red pine.																																																		
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63	310 - Herbaceous Openland	Nonstocked	2.3		Immature	No	Powerline ROW. East half is low wet ground.																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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64 4312 - Hemlock, Mixed Deciduous Sawtimber Well 76.8 98 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	10	Log/Pole	13	
Red Maple	28	Log	15	98
Northern White Cedar	3	Pole	8	
White Spruce	2	Log	13	
Beech	2	Log	14	
Paper Birch	3	Log/Pole	11	
Sugar Maple	10	Log/Pole	13	
Hemlock	40	Log	16	98
White Pine	2	Log/XLog	17	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Medium	5 - 10 feet	Sapling
Beech	Low	< 5 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Yellow Birch	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling

Stand is very similar to the stand to the south but there are more hemlock and larger trees here. There is a grove of cedar in the stand located along the ORV trail. Legacy trees present in this stand. Central area of the stand is dominated by hemlock. The northern part near the road contains accessible red maple.

65 4136 - Aspen, Mixed Conifer Poletimber Well 14.7 44 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	1	Pole	8	
Northern White Cedar	10	Sapling/Pole	4	
Paper Birch	3	Sapling/Pole	3	
Quaking Aspen	70	Pole/Sapling	5	44
Red Maple	1	Pole/Sapling	5	
Balsam Fir	15	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Low	10 - 20 feet	Sapling
Aspen (spp.)	Medium	Variable	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling
Paper Birch	Low	5 - 10 feet	Sapling

This aspen stand was cut in 1980. It has just grown into a pole size stand with lots of sapling size trees still occupying space in the canopy. A portion of this stand would be considered lowland aspen but most is upland. Scattered larger pole and log size trees are present.

66 6128 - Lowland Coniferous, Mixed Deciduous Sapling Poor 64.7 34 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling/Pole	3	
Black Spruce	10	Pole	5	
Northern White Cedar	35	Sapling	3	34
White Pine	3	Sapling	2	
Tamarack	10	Pole	7	
Quaking Aspen	5	Sapling	4	34
Paper Birch	26	Sapling	4	
Red Maple	1	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Low	10 - 20 feet	Sapling
Yellow Birch	Low	5 - 10 feet	Sapling
Willow spp.	Medium	< 5 feet	Sapling
Tag Alder	Full	5 - 10 feet	Tall Shrub
Northern White Cedar	High	Variable	Sapling

Stand was cut in 1989. Some scattered pole size trees are left over from that harvest. Drier ground has really good maple, birch, and spruce. The majority of the stand is low and wet containing cedar, spruce, and scattered tamarack. The low area is growing heavily with alder and willow. In many areas they dominate the stand. In the southwest, the land is a bit drier and tree growth is more dense. Similar spp. mix is present and diameters are small.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
67	6120 - Lowland Cedar	Poletimber Well	5.3	66	81-110	N/A	Low wet ground with stunted trees. Trees on the north side of the powerline are a bit larger. Poor canopy closure. thick understory of various trees and shrubs.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		2	XLog	18		Sphagnum Moss		
Northern White Cedar		85	Pole	7	66	Balsam Fir		
Tamarack		3	Pole	8		Northern White Cedar		
Black Spruce		10	Sapling/Pole	3		Black Spruce		
						Red Osier Dogwood		
						Labrador Tea		
						Tag Alder		
						Leatherleaf		
68	429 - Mixed Upland Conifers	Sawtimber Well	8.9	72	51-80	N/A	Stand is mostly paper birch and red maple with areas of cedar and scattered super canopy white pine. There is a swale that runs through the middle of the stand of lowland brush. Stand seems like a transitional stand between lowland and upland.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Tamarack		5	Pole	9		Tag Alder		
Black Spruce		20	Pole	8		Deciduous Saplings		
White Pine		10	Log/Pole	13		White Spruce		
Hemlock		1	Log	14		Northern White Cedar		
Red Maple		23	Log	12	72	Red Maple		
Balsam Fir		15	Pole	7		Balsam Fir		
Paper Birch		16	Log	12	72			
Northern White Cedar		10	Pole	7				
69	6120 - Lowland Cedar	Poletimber Well	8.7	95	111-140	N/A	Stand of mixed conifer dominated by cedar. Stand is split by M-134.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Poplar		5	Log/Pole	11		Balsam Fir		
White Spruce		10	Log/Pole	10		White Spruce		
White Pine		2	Log	12		Northern White Cedar		
Balsam Fir		12	Pole	7				
Hemlock		2	Log/Pole	10				
Northern White Cedar		59	Pole	7	95			
Paper Birch		10	Pole	7				
70	622 - Lowland Shrub	Nonstocked	3.6			No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																
71	6120 - Lowland Cedar	Sawtimber Well	104.4	97	141-170	N/A	Nice stand of cedar with moderate deer activity. No dune and swale topography in this stand. Most of the understory is pretty open with some areas of thick fir. Diameters drop off as you head to the east. A few areas of lowland shrub.																																																																																
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72	6120 - Lowland Cedar	Poletimber Well	459.0	124	81-110	N/A	Dune and swale complex. Swales have lowland shrub and sapling size cedar growing in them. Some swales are full of water and have water flowing through them. Ridges have decent timber on them. In the northwest part of the compartment they are dominated by hemlock and cedar. Down south they are more spruce and white pine.																																																																																
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73	122 - Road/Parking Lot	Nonstocked	14.0			No																																																																																	
74	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	157.4	137	111-140	N/A	The stand contains a mix of mature red oak and white pine with saw sized red maple and paper birch. There are scattered yellow birch and hemlock also in the stand. The canopy is patchy in places and the regeneration is dominated by balsam fir with some patches of good white pine advanced regeneration. Coring reveals different age stratus of the trees.																																																																																
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75	6239 - Mixed Emergent Wetland	Nonstocked	7.1			No																																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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76	6120 - Lowland Cedar	Sawtimber Well	32.7	104	141-170	N/A	Southern portion of the stand is solid cedar. The north part of the stand gets into the dune and swale topography and is more mixed.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		7	Log/Pole	12		Balsam Fir	
White Pine		5	Log/XLog	15		Northern White Cedar	
Red Maple		7	Pole	9		Striped Maple	
Northern White Cedar		50	Log/Pole	10	104	Serviceberry (Juneberry)	
Balsam Poplar		15	Log/Pole	10			
Paper Birch		10	Pole	9			
Balsam Fir		3	Pole	6			
Yellow Birch		3	Log/Pole	10			

77	42360 - Upland Cedar	Sawtimber Well	47.6	127	141-170	N/A	Cedar is on top of the ridge that borders the lake. Some areas of pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	8		Northern White Cedar	
Red Pine		5	Log/Pole	11		Balsam Fir	
Northern White Cedar		70	Log	14	127	Striped Maple	
White Pine		5	Log	13			
White Spruce		10	Log/Pole	10			
Paper Birch		5	Pole	8			

78	6224 - Treed Bog	Nonstocked	7.3	0	Unspecified	No	There are spruce and fir with scattered pine in this section of the bog.
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79	3302 - Low Density Conifer Trees	Nonstocked	4.4			No	
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80	42290 - Natural Mixed Pine	Sawtimber Well	25.3	114	111-140	N/A	Mixed pine stand of white pine and red pine. Stand includes the campground. Borderline log/pole size stand. Lots of conifers in the understory. Area of cedar near the south end of the campground.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		3	Log/Pole	10		Balsam Fir	
Northern White Cedar		10	Pole	7		White Spruce	
White Spruce		7	Pole/Log	9		Northern White Cedar	
Paper Birch		5	Pole	6		White Pine	
Red Pine		25	Log	13		Serviceberry (Juneberry)	
White Pine		50	Log	15	114	Common Or Ground Juniper	

81	3302 - Low Density Conifer Trees	Nonstocked	1.4			No	
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82	3302 - Low Density Conifer Trees	Nonstocked	3.7			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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83	6112 - Lowland Aspen	Sapling Medium	43.2	4	Immature	N/A	Stand was cut as part of Cranberry Hardwood Take II in the spring and summer of 2020. The stand has decent aspen regeneration with a balsam poplar component. Open areas of grass and raspberry are present throughout the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Poplar		33	Sapling	1		Wild Red Raspberry		Medium	5 - 10 feet	Tall Shrub
Balsam Fir		1	Sapling	1						
Northern White Cedar		1	Sapling/Pole	4						
Quaking Aspen		65	Sapling	1	4					

84	4110 - Sugar Maple Association	Sawtimber Poor	17.8	96	51-80	N/A	Beech was salvaged from this stand completed in spring of 2017. Areas within this stand have had oak seedlings planted, but no oak was noted in the regeneration as of 03/14/2024. Regeneration consists of heavy beech and striped maple saplings over thick raspberry growth. Saw sized sugar maple were left at various densities in the canopy around the harvested beech creating gaps of various sizes.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		90	Log/XLog	15	96	White Pine		Low	< 5 feet	Sapling
Yellow Birch		10	Log/Pole	13		Striped Maple		High	5 - 10 feet	Sapling
						Beech		High	5 - 10 feet	Sapling
						Wild Red Raspberry		High	< 5 feet	Tall Shrub

85	4112 - Maple, Beech, Cherry Association	Poletimber Well	14.4	50	81-110	N/A	North part of this stand is more mixed. There is an area in the southern portion of the stand that is solid maple with very little understory. Looks like the stand has been thinned in the past. Lots of balsam fir in the understory. Red maple is poor quality with lots of seams.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		15	Pole	6		Sugar Maple		Low	10 - 20 feet	Sapling
White Spruce		3	Pole/Log	9		Northern White Cedar		Low	5 - 10 feet	Sapling
Northern White Cedar		5	Log	14		Striped Maple		Low	5 - 10 feet	Sapling
White Pine		2	Log	16						
Red Oak		5	Log	14						
Sugar Maple		70	Pole	6	50					

86	4199 - Other Mixed Upland Deciduous	Sawtimber Well	22.1	85	111-140	N/A	Similar to stand 74 to the east. but with a greater red maple component.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		4	Log/XLog	16		Red Maple		Low	5 - 10 feet	Sapling
Hemlock		1	Log	15		Striped Maple		Low	5 - 10 feet	Sapling
Red Maple		40	Log	12	85	Balsam Fir		High	Variable	Sapling
White Spruce		5	Log/Pole	12						
Paper Birch		10	Log/Pole	11						
Red Oak		35	Log	15						
Yellow Birch		5	Log/Pole	13						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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87 4112 - Maple, Beech, Cherry Association Sawtimber Well 9.8 73 81-110 N/A small maple stand surround3d by conifer stands. diameters small for harvest aat this time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	1	Log	12		Sugar Maple	Low	>20 feet	Sapling
Sugar Maple	70	Log/Pole	12	73	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	12	Log	14		Striped Maple	Low	5 - 10 feet	Sapling
Yellow Birch	3	Log/Pole	11		White Pine	Medium	10 - 20 feet	Sapling
Red Oak	5	Log	15					
Balsam Fir	2	Pole	7					
White Pine	2	Log/XLog	16					
Northern White Cedar	5	Log	14					

88 4112 - Maple, Beech, Cherry Association Sawtimber Medium 46.6 96 111-140 N/A Stand has a lot of glacial eradic boulders. Beech was salvaged from this stand completed in spring of 2017. Areas within this stand have had oak seedlings planted; no survivors were found in spring 2024. Far southern portion BA 130-150 mix of sugar maple and red maple. South salvage cut Lots of beech regen. also significant red and s maple. especially str maple in larger gaps, also robust and scattered spruce and white pine. Outside of gaps sugar maple is dominant avg 15" BA 100-110 some boulders on NE of road. central salvage cut in gaps lots of beech striped maple and rubus. Scattered large sugar maple ~17-24" YB present at 10" DBH. Outside of gaps sugar maple dominates 15-18" 100BA. Low sugar maple seedling with 5' beech and striped maple. North salvage cut Overstory: sugar maple dominates, same as rest of stand. Understory: Good mix of beech and sugar maple 5-10'. Much less striped maple. In the small gaps, striped maple and rubus still present, but sugar maple seedlings able to get through.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	2	Log	14		Ironwood	Low	10 - 20 feet	Sapling
White Pine	2	Log	15		Striped Maple	Medium	5 - 10 feet	Sapling
Paper Birch	2	Log/Pole	11		Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	78	Log/XLog	15	96	Common Or Ground Juniper	Low	< 5 feet	Tall Shrub
Hemlock	2	Log	15		Red Maple	Low	5 - 10 feet	Sapling
Red Maple	5	Log	16		Sugar Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	2	XLog/Log	18		Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole	13					
Red Oak	2	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 4112 - Maple, Beech, Cherry Association Sawtimber Medium 131.4 96 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	10	
Red Oak	2	Log	14	
Paper Birch	2	Log/Pole	11	
Quaking Aspen	2	XLog/Log	18	
White Pine	2	Log	15	
Red Maple	5	Log/Pole	10	
Sugar Maple	78	Log/Pole	10	96
Hemlock	2	Log	15	
Beech	2	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Common Or Ground Juniper	Low	< 5 feet	Tall Shrub
Ironwood	Low	10 - 20 feet	Sapling
Beech	Medium	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling

Stand has a lot of glacial eradic boulders. Beech was salvaged from this stand completed in spring of 2017. Areas within this stand have had oak seedlings planted; no survivors were found in spring 2024.

Far southern portion
BA 130-150 mix of sugar maple and red maple.

South salvage cut
Lots of beech regen. also significant red and s maple. especially str maple in larger gaps, also robust and scattered spruce and white pine. Outside of gaps sugar maple is dominant avg 15" BA 100-110 some boulders on NE of road.

central salvage cut
in gaps lots of beech striped maple and rubus. Scattered large sugar maple ~17-24"
YB present at 10" DBH. Outside of gaps sugar maple dominates 15-18" 100BA. Low sugar maple seedling with 5' beech and striped maple.

North salvage cut
Overstory: sugar maple dominates, same as rest of stand. Understory: Good mix of beech and sugar maple 5-10'. Much less striped maple. In the small gaps, striped maple and rubus still present, but sugar maple seedlings able to get through.

90 4112 - Maple, Beech, Cherry Association Sawtimber Medium 126.7 96 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	78	Log/XLog	15	96
Hemlock	2	Log	15	
Yellow Birch	5	Log/Pole	13	
Red Maple	5	Log	16	
Beech	2	Log	14	
Red Oak	2	Log	14	
Paper Birch	2	Log/Pole	11	
Quaking Aspen	2	XLog/Log	18	
White Pine	2	Log	15	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Common Or Ground Juniper	Low	< 5 feet	Tall Shrub
Beech	Medium	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Striped Maple	Medium	5 - 10 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling

Stand has a lot of glacial eradic boulders. Beech was salvaged from this stand completed in spring of 2017. Areas within this stand have had oak seedlings planted; no survivors were found in spring 2024. Far southern portion BA 130-150 mix of sugar maple and red maple. South salvage cut Lots of beech regen. also significant red and s maple. especially str maple in larger gaps, also robust and scattered spruce and white pine. Outside of gaps sugar maple is dominant avg 15" BA 100-110 some boulders on NE of road. central salvage cut in gaps lots of beech striped maple and rubus. Scattered large sugar maple ~17-24" YB present at 10" DBH. Outside of gaps sugar maple dominates 15-18" 100BA. Low sugar maple seedling with 5' beech and striped maple. North salvage cut Overstory: sugar maple dominates, same as rest of stand. Understory: Good mix of beech and sugar maple 5-10'. Much less striped maple. In the small gaps, striped maple and rubus still present, but sugar maple seedlings able to get through.