



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45031

Entry Year 2022

Acreage: 2,071

County Mackinac

Management Area: Huron Patterned Outcrop

Revision Date: 2020-07-27

Stand Examiner: Jeff Wise

Legal Description:

T42N R1W Secs 13, 14,15, 22-26

Identified Planning Goals:

Management this YOE will focus on Even-aged management will focus on several hard to access areas that were attempted in past YOE. Cover types include aspen, birch, spruce, and fir with a cedar component and will be restricted to winter treatments due to deer yards nearby, and sensitive soils.

Soil and topography:

Markey and Carbondale mucks in the north part where winter treatments will take place. The middle area with hardwoods and upland aspen consist of Kalkaska sands. The remaining portions of the comp have a varied array of soil types along with rocky ledges.

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

Generally, the compartment is a contiguous block of State ownership with many parcels of private land extending into the block from the east and west, making survey needs extensive. These consist of permanent and seasonal homes and cabins. The land to the north is Compartment 30. Hessel airport is on the western boundary and that facility has been maintaining a glide path on State land for many years. Land use is mainly hunting, trail riding, and snowmobiling. Mushrooms have been located here but activity is unknown.

Unique Natural Features:

MNFI has been referenced for threatened and endangered species in relation to any treatments. Peek-A-Boo Hill, a steep ridge running NW/SE, mostly through the private land in Section 23, provides spectacular views of the Les Chenaux Islands. Stand 48 is an interesting area, as is 59.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

The south half of the compartment is SCA, deer yard. Stand 76 was part of an experimental area with fenced deer enclosures in the 1970's. Most have disappeared.

Watershed and Fisheries Considerations:

This compartment contains portions of Pearson Creek, Hessel Creek (mislabelled as Mackinac Creek on map), and McKay Creek (mislabelled as Pollard Creek on map), all of which are cold-transitional trout streams. The proposed treatments are appropriate for the protection of these streams.

Wildlife Habitat Considerations:

This compartment is part of the Huron Patterned Outcrop MA where featured wildlife species include pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. It contains a mix of cover types ranging from cedar swamp and lowland shrub to northern hardwoods and mixed conifer types. The entire compartment is part of deer wintering complex. Stands with closed canopy conifer cover, particularly cedar, provide cover for wintering deer. Historically, treatments were conducted the southern part of the compartment and small enclosures were placed to examine regeneration. Most of these enclosures are no longer present. Little cedar has regenerated in this area.

Wildlife objectives include maintaining cover for wintering deer as well as providing food sources, encouraging early successional habitat where it exists, and maintaining diversity. During the last year of entry, some treatments took place in maturing stands to maintain early successional habitat. Other maturing stands are slated for treatment this year of entry for the same objective and to provide varying age classes of early successional habitat in this area. This will benefit grouse, hare, and deer while some mature trees left in retention and in other stands will benefit woodpeckers and other cavity nesters. Most mast-bearing species like oak will be left to provide food sources for deer, bear, and other species.

Winter cover will be maintained. Rare species and habitats will be protected.

Mineral Resource and Development Concerns and/or Restrictions

Vehicle Access:

The compartment is sandwiched between M-129 to the east, and Three Mile Rd to the west with no State owned frontage. Linderman/Norwich Rd bisects the comp, connecting the two highways (M-129 & Three Mile Rd.). Several logging spurs allow limited access to other portions of the compartment. The snowmobile trail follows the Linderman /Norwich Rd and an additional snow trail extends north via an old winter road which is impassable in summer.

Survey Needs:

Section 14 SW 1/4 from center of section.

Recreational Facilities and Opportunities:

The snowmobile trail runs through the compartment connecting the Bay City lake area to M-129 and Cedarville. No ORV trails but trail riding on forest roads is common. Hunting and dispersed camping are the main activities. Some mushrooming may take place as morels have been found here. The Les Cheneaux Nordic Ski trail loop is on an old logging road off the Blind Line Rd in Section 25 but has not been groomed as of 2020.

Fire Protection:

Access is generally good. However, the bridge over Hessel Creek will not hold fire equipment. Until the bridge is replaced the compartment can be accessed from Three Mile Rd as well as Linderman/Norwich Rd. There is also an access on the snowmobile trail from Blind Line Rd through the treatment ponds. Water sources are limited but Hessel Creek can be accessed in a few locations, and Lake Huron is a few miles away.

Additional Compartment Information:

New acquisition since last YOE, Section 22 W1/2SE traded for E1/2 SE and an easement into Section 23.

The following reports from the Inventory are attached:

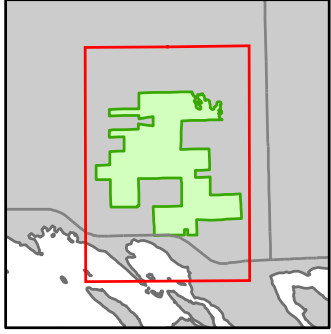
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

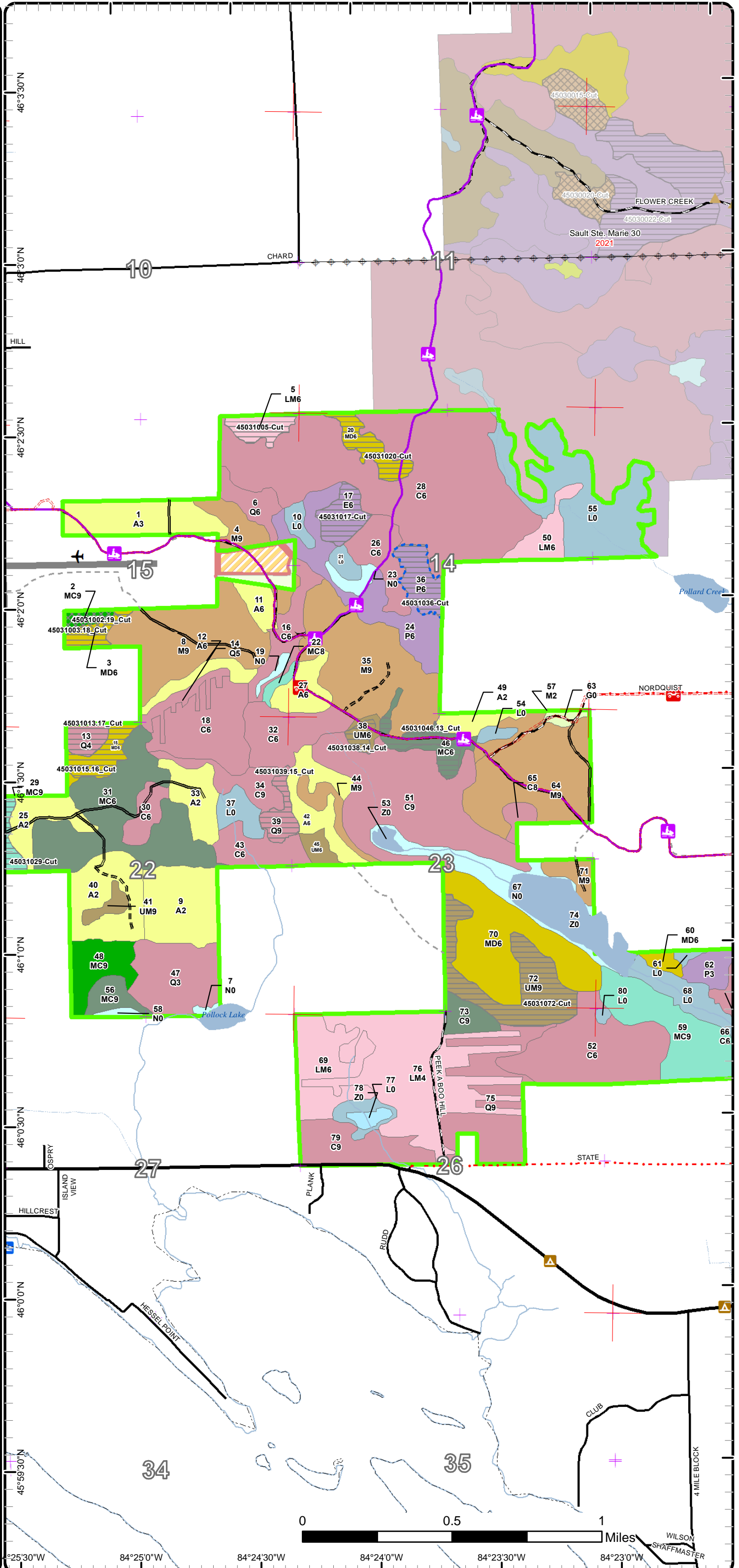
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 31
 T42N,R01E, Sec: 13-15, 22, 23,
 25, 26
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2022
 Acres: 2,071 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 8/10/2020
 Map Phase: Web Post



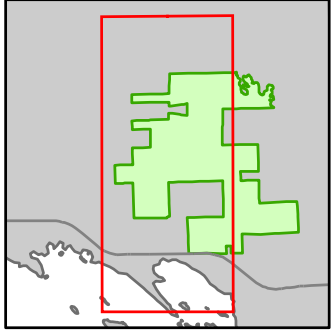
- Miris Corners
- ⊕ Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
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- ⚓ Boating Access Site
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- ⛺ Campground
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- ✈ Airports
- ⬜ Compartment Boundary
- ⬜ Treatments with Site Conditions
- ⬜ Selection (Group, Single Tree)
- ⬜ Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



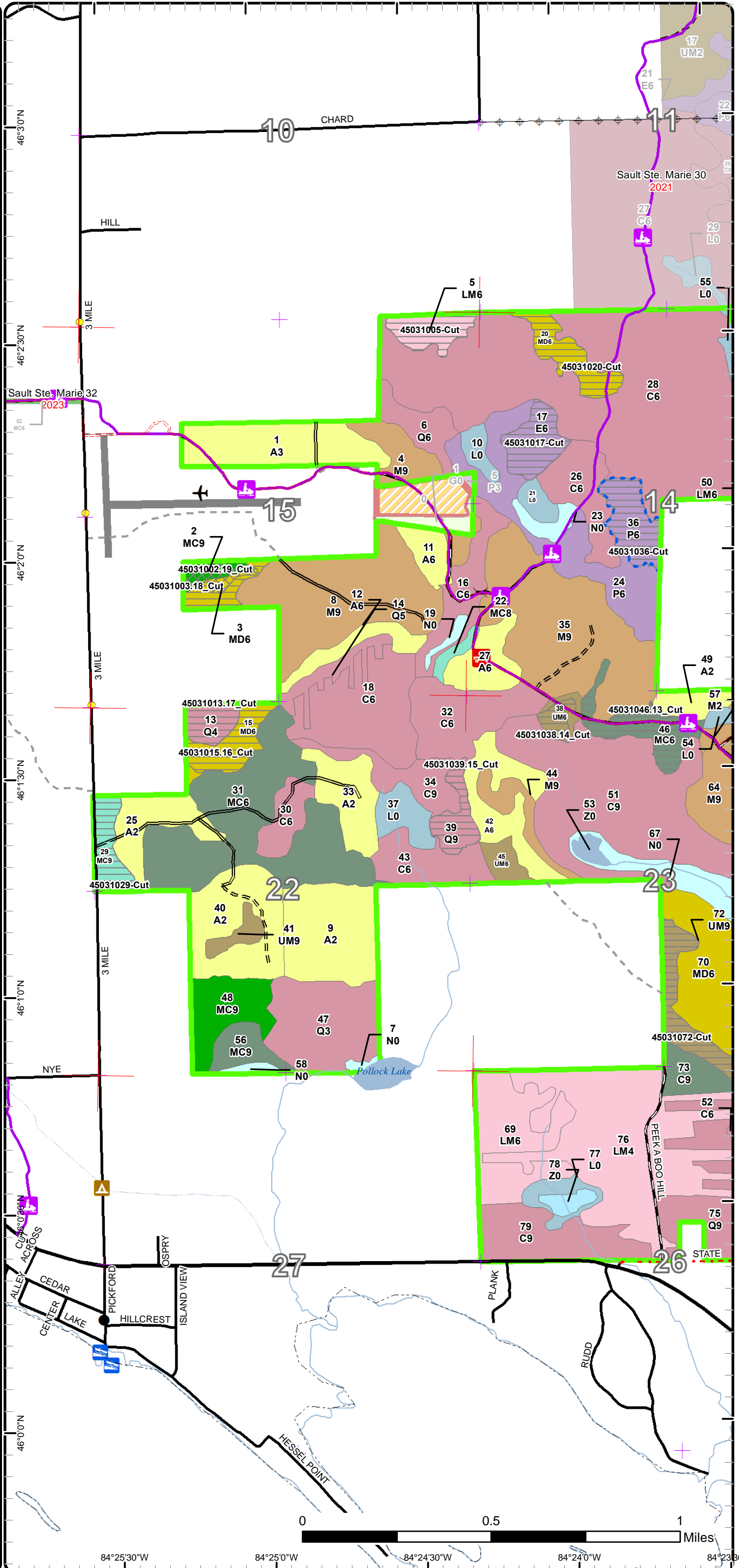
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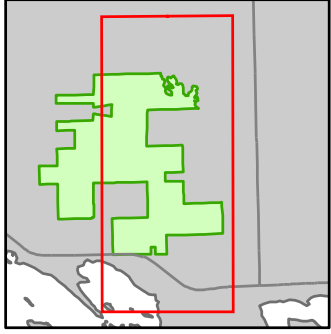
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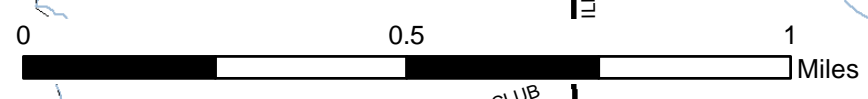
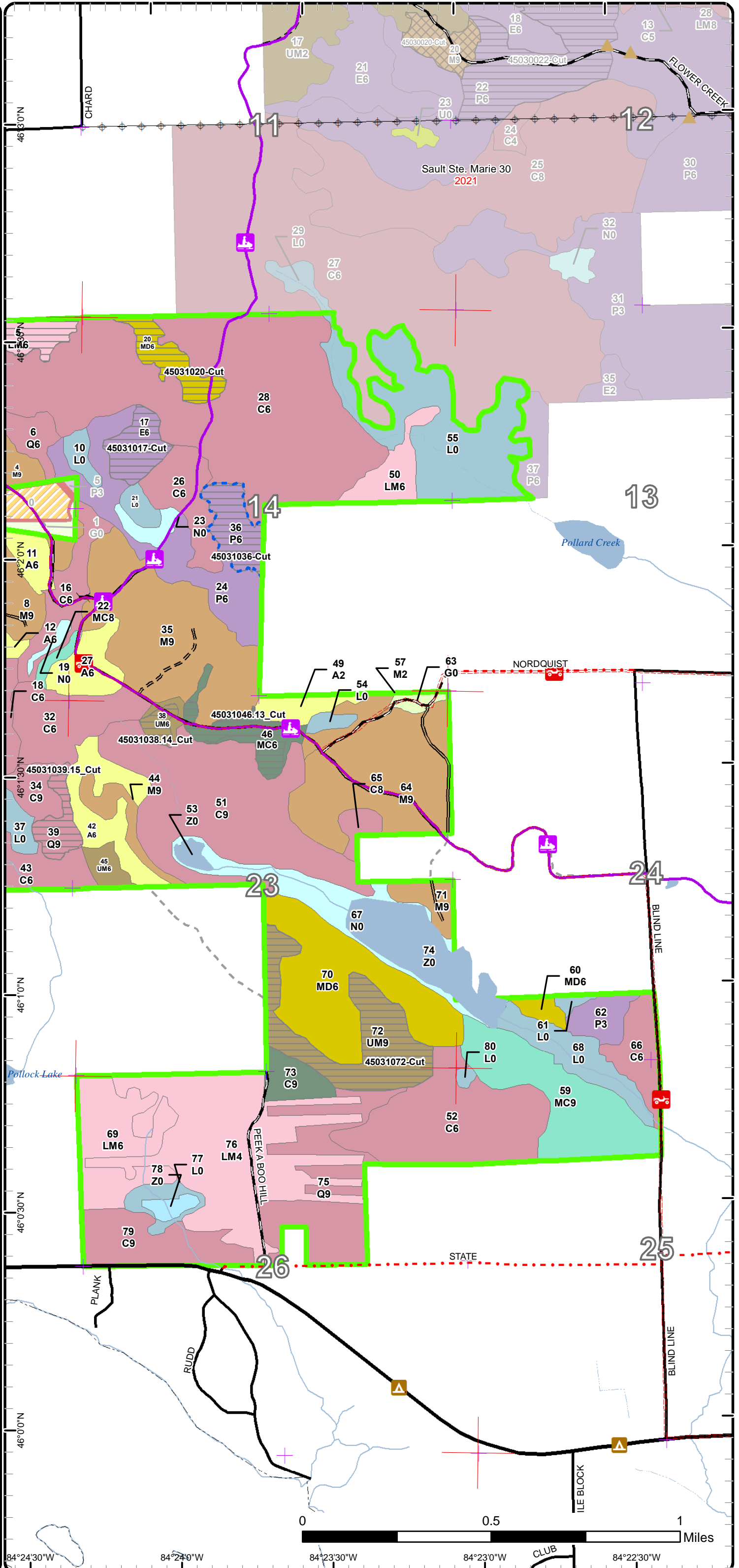
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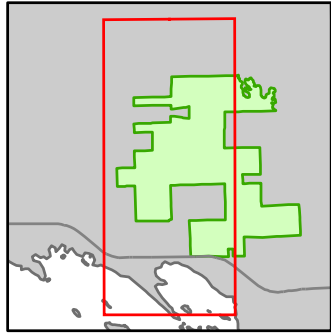
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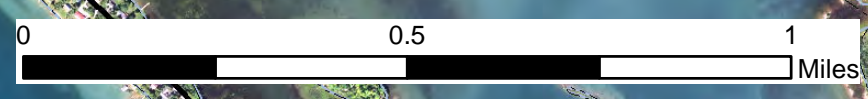
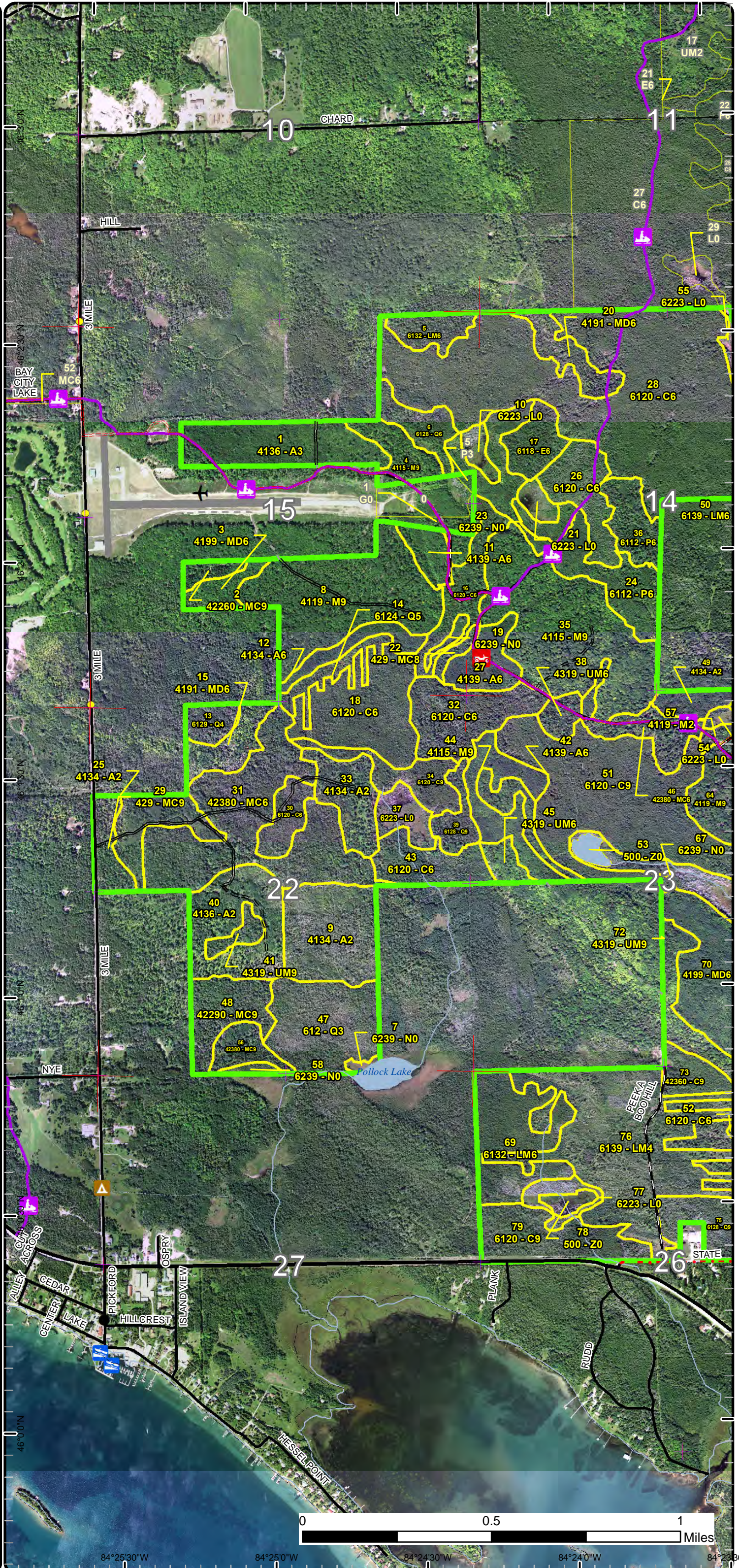
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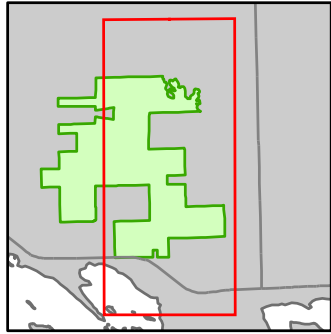
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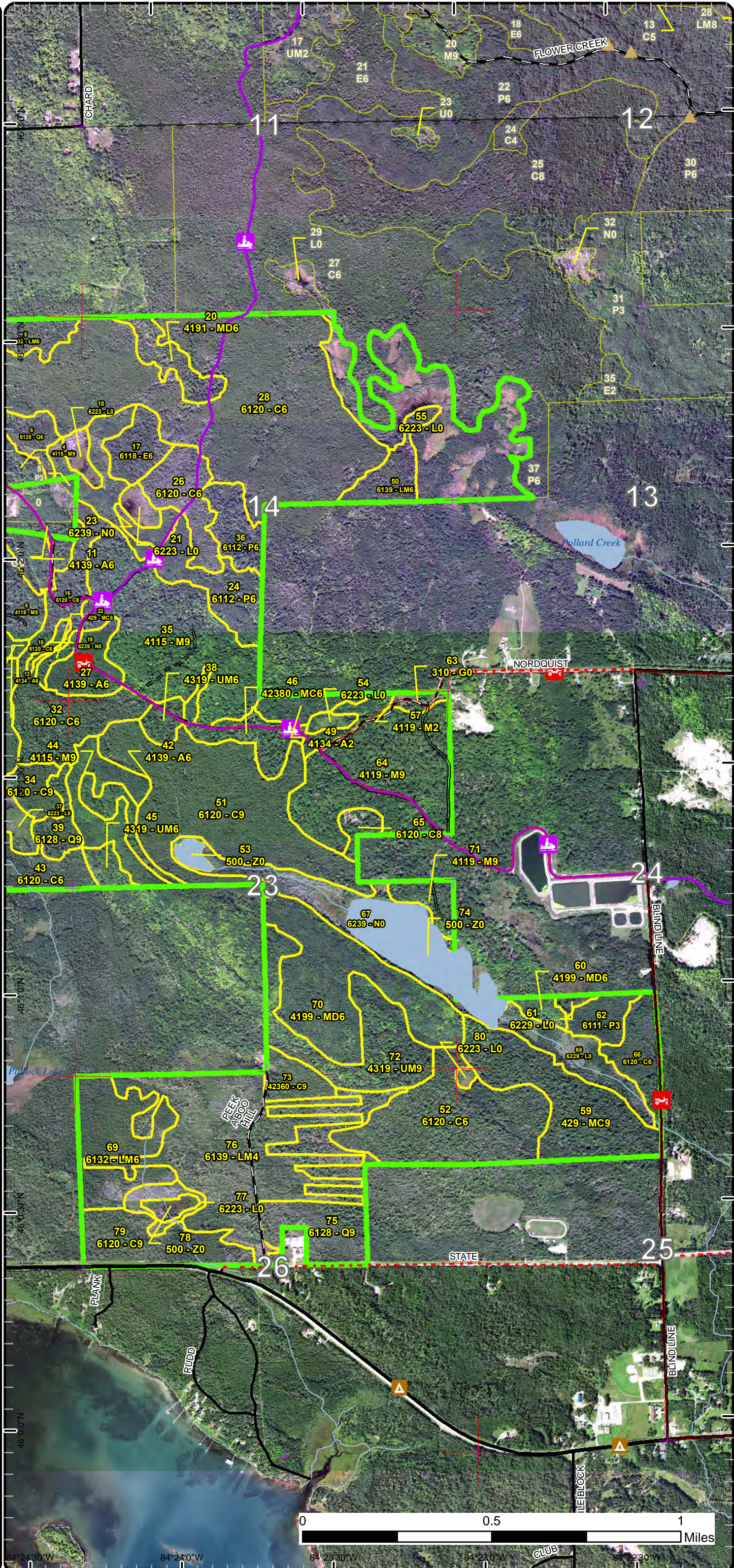
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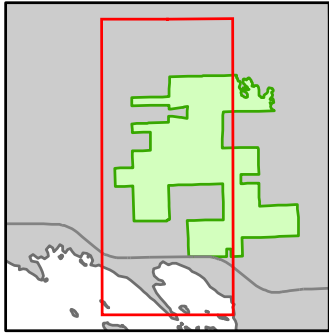


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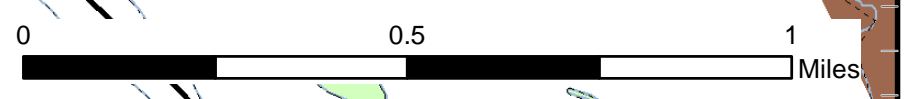
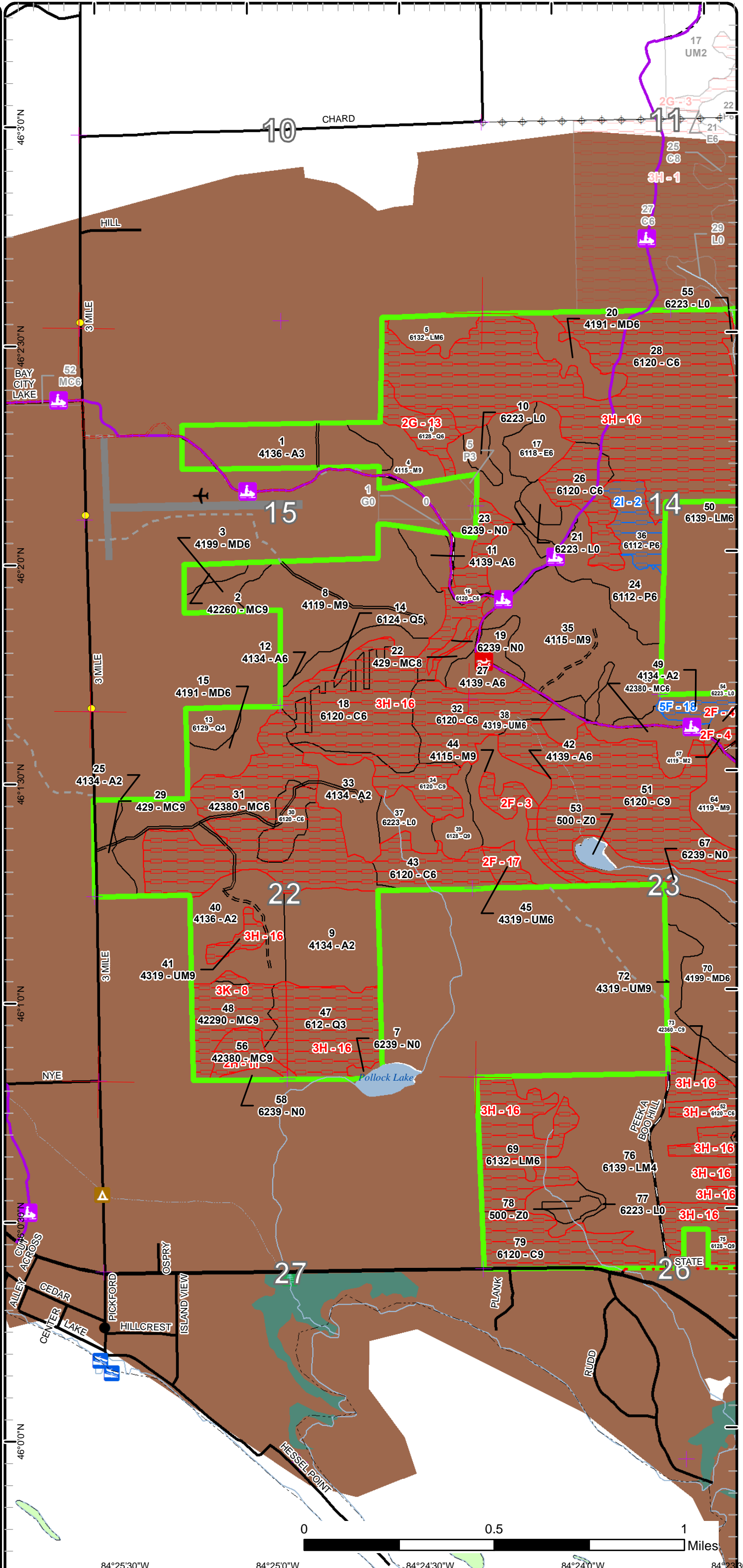


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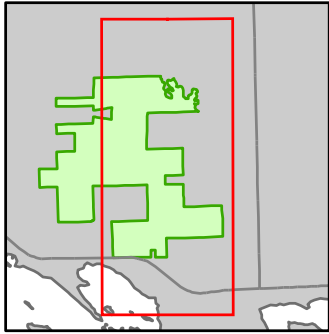
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3K: Rare or unique landforms
- Stand Boundaries
- Coastal Environmental Areas
- Scenic Turnouts
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Great Lakes Islands



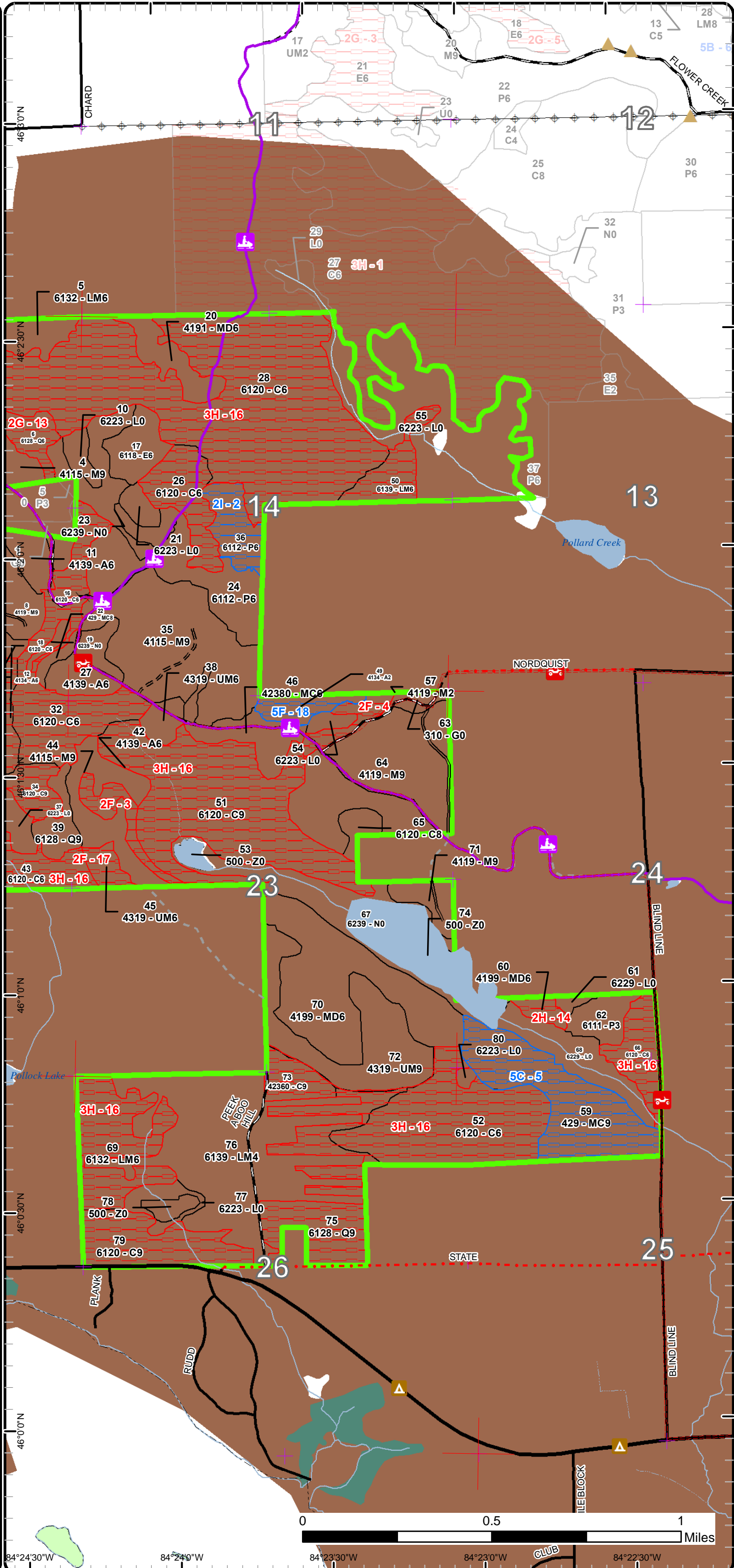
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- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries
- Coastal Environmental Areas
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Great Lakes Islands



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	21	37	123	45	0	0	0	0	0	0	0	0	0	0	0	0	226
Cedar	0	0	0	0	0	0	0	0	0	0	11	32	358	0	81	117	0	0	599
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	0	11	44	0	0	0	0	0	0	0	16	0	0	0	0	0	71
Lowland Conifers	0	0	0	0	0	0	52	0	0	0	0	31	0	0	0	48	0	0	131
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	14
Lowland Mixed Forest	0	0	0	0	0	102	0	0	0	0	0	11	15	0	0	38	0	0	166
Lowland Shrub	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133
Marsh	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Mixed Upland Deciduous	0	0	0	0	67	0	0	0	9	0	0	14	19	0	0	0	0	0	109
Natural Mixed Pines	0	0	0	0	0	0	0	0	5	0	0	0	22	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	0	0	0	8	0	0	169	0	0	0	10	85	272
Upland Conifers	0	0	0	0	0	0	0	0	0	18	0	107	0	0	3	54	0	0	181
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	7	0	6	6	0	0	45	0	0	64
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Total	210	0	21	48	234	147	52	0	14	33	11	201	605	0	98	302	10	85	2070



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2022

Acres of Harvest

Compartment 31
Total Compartment Acres: 2,071

Commercial Harvest - 159
Harvests with Site Condition - 16
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
Lowland Aspen/Balsam Poplar	16	0	0	0	0	0	0	0	0	16
Lowland Conifers	18	0	0	0	0	0	0	0	0	18
Lowland Deciduous	14	0	0	0	0	0	0	0	0	14
Lowland Mixed Forest	11	0	0	0	0	0	0	0	0	11
Mixed Upland Deciduous	34	0	0	0	0	0	0	0	0	34
Natural Mixed Pines	0	7	0	0	0	0	0	0	0	7
Upland Conifers	26	0	0	0	0	0	0	0	0	26
Upland Mixed Forest	50	0	0	0	0	0	0	0	0	50
Total	168	7	0	0	0	0	0	0	0	175

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	175	0	0	0	0	0	0	0	0	175
Next Step	0	0	0	0	0	0	175	0	0	175
Total	175	0	0	0	0	0	175	0	0	350



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:

5	45031005-Cut	11.2	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	101	Unspecified	Harvest	Clearcut with Retention	6132 - Mixed Lowland Forest with Cedar	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all trees > 2" DBH, leave cedar where possible, oak and pine. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse to wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Present species, emphasis on aspen</p> <p><u>Other Comment:</u> Needs road or skid trail</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
17	45031017-Cut	14.0	6118 - Lowland Deciduous with Cedar	Poletimber Well	134	Unspecified	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all trees >2" DBH, except cedar and pine. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse to wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Present species</p> <p><u>Other Comment:</u> Needs road or skid trail.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
20	45031020-Cut	14.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	118	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all trees > 2" DBH, leave cedar, oak an pine. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse to wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Present species with emphasis on deciduous.</p> <p><u>Other Comment:</u> Should not need survey.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
29 45031029-Cut	11.9	429 - Mixed Upland Conifers	Sawtimber Well	106	51-80	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<u>Prescription</u> Harvest all species to a 2" top except pine and cedar unless needed for operations.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Present species										
<u>Regen:</u>										
<u>Other</u> South line should not need a survey. Start date to begin early so the stand can be added to adjacent contract.										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2020										
36 45031036-Cut	15.8	6112 - Lowland Aspen	Poletimber Well	117	Unspecified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<u>Prescription</u> Harvest all trees > 2" DBH, leave cedar, pine and oak. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse to wintering deer.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Present species with emphasis on aspen.										
<u>Regen:</u>										
<u>Other</u> Survey may be needed.										
<u>Comment:</u>										
<u>Site Condition</u> Survey Needed										
<u>Proposed Start Date:</u> 10/1 /2021										
72 45031072-Cut	45.4	4319 - Mixed Upland Forest	Sawtimber Well	148	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<u>Prescription</u> Harvest all species to a 2" top except pine and cedar unless needed for operations. Do not reach into closed canopy cedar-dominated										
<u>Specs:</u> pockets to reach other species. Winter cut (Dec. 1 - Mar. 31) for wintering deer.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Present species										
<u>Regen:</u>										
<u>Other</u> Survey may be needed unless west part left as retention May be winter sale.										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2021										

Approved Treatments:

2 45031002.19_Cut	6.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	70	51-80	Harvest	Single Tree Selection	42260 - Natural Pine, Mixed Deciduous	Uneven-Aged	No
<u>Prescription</u> Mark pine as needed to thin and release crop trees. Leave large wolfy trees for aesthetics. Recommend to allow cutting in snow free										
<u>Specs:</u> season...its pine.										
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)										
<u>Treatments:</u>										
<u>Acceptable</u> Acceptable regeneration includes pine and a mix of the species currently found in the stand.										
<u>Regen:</u>										
<u>Other</u> deer yard										
<u>Comment:</u>										
<u>Site Condition</u>										



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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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Proposed Start Date: 10/1 /2018

3	45031003.18_ Cut	6.0	4199 - Other Mixed Upland Deciduous	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Harvest all species except oak, hemlock, pine, cedar, and yellow birch if present.

Specs:

Next Step ; Monitoring, Natural Regen (Intermediate)

Treatments:

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

Regen:

Other deer yard

Comment:

Site Condition

Proposed Start Date: 10/1 /2018

13	45031013.17_ Cut	8.4	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	107	1-50	Harvest	Clearcut with Retention	6139 - Mixed Lowland Forest	Even-Aged	No
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Prescription Harvest all species except oak, cedar, hemlock, white pine sawlogs, and yellow birch if present. Some white pine pulp may need to be harvested for operational efficiency. Winter Cut for Deer yard

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen would be a mix of the current species.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2018

15	45031015.16_ Cut	13.4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	107	51-80	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
-----------	-----------------------------------	------	--	-----------------	-----	-------	---------	-------------------------	--	-----------	----

Prescription Harvest all species except oak, cedar, hemlock, pine, and yellow birch if present.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regeneration includes a mix of the current species.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2018



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
38	45031038.14_ Cut	4.4	4319 - Mixed Upland Forest	Poetimber Well	84	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species except pine, oak, hemlock, cedar, and yellow birch if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Regen of current species is acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018</p>											
39	45031039.15_ Cut	9.8	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	106	Unspec ified	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Regen of current species is acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018</p>											
46	45031046.13_ Cut	14.0	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poetimber Well	84	51-80	Harvest	Clearcut with Retention	42380 - Non Pine Upland Conifer, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species except oak, hemlock, pine, cedar, and yellow birch if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Regen of current species is acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018</p>											

Total Treatment 175.1
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 31

Year of Entry: 2022

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

				2I	5C	5F	2F	2G	2H	3H	3K
226	215	10	1			10					1
599	6	0	593		0					593	
4	4	0	0								
71	55	16	0	16				0			
131	18	0	113					13		94	5
14	14	0	0								
166	113	0	53							53	
133	133	0	0								
56	56	0	0								
109	104	0	5						5		
28	5	0	22								22
272	254	0	18				18				
182	33	54	94		54				10	84	
64	52	0	12				6			6	
17	17	0	0								
2,071	1,080	79	912	16	54	10	24	13	15	830	29
	52%	4%	44%								

**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
2	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was put up for an uncut sale last YOY, not sure if survey was done or just needs to be verified.							
3	Unavailable	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 31

Year of Entry: 2022

4	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3K: Rare or unique landforms	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is too rocky to harvest							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2D: Portable Bridge Needed (Dept. bridge will be adequate)	3K: Rare or unique landforms	3A: Conservation Values incompatible with harvest at this time
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 31

Year of Entry: 2022

16	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	830	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2F: Too steep	6	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5F: Evaluated for Forest Health Considerations	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	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.
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4136 - Aspen, Mixed Conifer	Sapling Well	37.4	27	Unspecified	N/A	Cut in 1993																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Sapling</td> <td>3</td> <td>27</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	3		Quaking Aspen	60	Sapling	3	27	Balsam Fir	5	Sapling/Pole	4		White Spruce	5	Sapling	4		White Pine	10	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Deciduous Shrubs</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Deciduous Shrubs	Medium	Variable	Tall Shrub
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2	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	5.2	70	51-80	N/A	Nice natural pine stand with aspen under story, age is from aspen, large oaks as well.																																																	
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Red Maple	5	Pole	6																																																					
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3	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.8	70	51-80	N/A																																				
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White Spruce	Low	Variable	Pole																																							

4	4115 - Y.Birch, Hemlock NH	Sawtimber Well	13.9	110	81-110	N/A	Stand was cut in 2015 , sale 006-12.																																																												
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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	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	11.2	101	Unspecified	N/A	Lines and corners are in, corner has not been monumented, just metal post and transit lines.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Pole	10		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	20	Pole	10	101	Black Ash	Low	Variable	Sapling
Balsam Poplar	10	Pole	10		Aspen (spp.)	Low	Variable	Sapling
Balsam Fir	20	Pole	6					
White Spruce	10	Pole/Log	12					
Northern White Cedar	20	Pole	8					

6	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	13.2	101	Unspecified	N/A	"A river runs through it"...Hessell Creek, plus other drainages from stand 26, boulders and gullies, was part of old sale -never cut.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	10	Pole	10					
Balsam Poplar	10	Pole	10					
Balsam Fir	10	Pole	8					
White Spruce	10	Log/Pole	12					
Northern White Cedar	30	Pole/Log	10	101				
White Pine	10	Log	14					
Red Pine	10	Log	14					

7	6239 - Mixed Emergent Wetland	Nonstocked	1.5		Unspecified	No	
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8	4119 - Mixed Northern Hardwoods	Sawtimber Well	72.6	110	81-110	N/A	Stand was cut in 2014, sale 006-12
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Log/Pole/XLog	14	110	Deciduous Saplings	Medium	Variable	Sapling
Red Maple	20	Log/Pole	14					
Beech	5	Log/Pole	12					
Red Oak	10	Log	14					
Quaking Aspen	10	Pole/Log	10					
Hemlock	10	Log	16					

9	4134 - Aspen, Spruce/Fir	Sapling Medium	40.5	32	Immature	N/A	2019 Acquisition, the State traded stand 9 and 47 for 80 acres to the east, stand 9 has been managed by the previous owners(property to the east.)
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10	6223 - Inundated Shrub Swamp	Nonstocked	5.3		Unspecified	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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11	4139 - Aspen, Mixed Deciduous	Poletimber Well	9.4	35	Unspecified	N/A	Cut in 1985, just becoming pole size, some larger trees left on steep hillsides.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole/Sapling	5	
Paper Birch	10	Pole/Sapling	3	
Quaking Aspen	50	Pole/Sap/Log	10	35
Balsam Fir	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling

12	4134 - Aspen, Spruce/Fir	Poletimber Well	10.9	43	Unspecified	N/A	Cut in 1977.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Sapling/Pole	4	
Red Oak	5	Pole/Log	10	
Paper Birch	5	Pole	8	
Quaking Aspen	40	Pole/Sapling	5	43
Balsam Fir	25	Pole/Sapling	5	
White Spruce	5	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Aspen (spp.)	Medium	Variable	Sapling

13	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	8.4	107	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	1	1
Balsam Poplar	2	Sapling	3	
White Spruce	20	Sapling/Pole	4	
Northern White Cedar	25	Pole/Log	9	107
White Pine	18	Log/Pole	12	
Balsam Fir	25	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
White Spruce	High	Variable	Sapling

14	6124 - Lowland Spruce-Fir	Poletimber Medium	10.2	50	Unspecified	N/A	50 year old cedar cut strips, took just a quick look, just making pole size
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Pole	6	
White Spruce	25	Pole	6	
Black Spruce	25	Sapling/Pole	4	
Northern White Cedar	25	Sapling/Pole	4	50

15	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.1	107	51-80	N/A	Corner on north end needs re-witnessing, no monument, only post with K tag.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	20	Pole	8	
Quaking Aspen	30	Pole/Log	10	107
Balsam Poplar	10	Pole	9	
Balsam Fir	15	Pole	7	
White Spruce	15	Pole/Log	10	
Northern White Cedar	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
White Spruce	High	Variable	Sapling
Thimbleberry	Medium	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
16	6120 - Lowland Cedar	Poletimber Well	20.3	137	Unspecified	N/A	Valley of lowland with Hessell Creek and where bridge over Hessell Creek needs replacing, cannot drive through sometimes,																																																				
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17	6118 - Lowland Deciduous with Cedar	Poletimber Well	14.0	134	Unspecified	N/A	Looks like stand 4, 19, or 35 on the imagery so its probably aspen, balm, birch, fir, spruce, and cedar.																																																				
18	6120 - Lowland Cedar	Poletimber Well	43.5	137	Unspecified	N/A	Wet, swampy and brushy.																																																				
19	6239 - Mixed Emergent Wetland	Nonstocked	2.4		Unspecified	No																																																					
20	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.1	118	81-110	N/A	OI says its birch, fir and cedar, but I suspect it has some aspen and spruce as well.																																																				
21	6223 - Inundated Shrub Swamp	Nonstocked	5.1		Unspecified	No																																																					
22	429 - Mixed Upland Conifers	Sawtimber Medium	3.3	137	51-80	N/A	Understory was cut some years ago, probably as part of stand 27, and white pine reserved.																																																				
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23	6239 - Mixed Emergent Wetland	Nonstocked	5.5		Unspecified	No																																																					
24	6112 - Lowland Aspen	Poletimber Well	43.7	36	Unspecified	N/A	Wet, water is draining down the road (snow trail) and through this stand. Has reached pole size.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25	4134 - Aspen, Spruce/Fir	Sapling Medium	19.3	32	Unspecified	N/A	Cut in 1988, old comments say oak planted but survival unsure, deer yard and heavy browsing, very open in places.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Sapling	2	32
Balsam Fir	10	Sapling	4	
White Spruce	10	Sapling	1	
Northern White Cedar	10	Sapling/Pole	6	
White Pine	10	Log	16	

26	6120 - Lowland Cedar	Poletimber Well	22.3	110	Unspecified	N/A	Wet, swampy, brushy type of cedar, similar to stand 18.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole	10		Balsam Fir	Medium	Variable	Sapling
White Spruce	5	Pole	8		Tag Alder	High	Variable	Tall Shrub
Black Spruce	5	Pole	7					
Northern White Cedar	80	Pole	10	110				
Tamarack	5	Pole	8					

27	4139 - Aspen, Mixed Deciduous	Poletimber Well	16.0	38	Unspecified	N/A	Cut in 1982, becoming pole size
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	50	Pole/Sapling	5	38				
Balsam Poplar	5	Pole/Sapling	5					
Balsam Fir	5	Pole/Sapling	5					
White Spruce	5	Pole/Sapling	5					
White Pine	5	Pole/Sapling	5					

28	6120 - Lowland Cedar	Poletimber Well	196.8	110	Unspecified	N/A	Not really low and boggy or swampy but has drainages flowing into Hessel Creek, never found the source but could walk around, very thick with cedar.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	6	
Quaking Aspen	5	Pole	8	
Balsam Fir	5	Pole	6	
Black Spruce	10	Pole	7	
Northern White Cedar	75	Pole	8	110

29	429 - Mixed Upland Conifers	Sawtimber Well	11.9	106	51-80	N/A	Nice stand of mature pine, with other stuff, white spruce hanging in so far.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Log	12		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	20	Log	12		White Spruce	Low	Variable	Pole
Balsam Fir	10	Pole	8					
White Spruce	10	Log	14					
White Pine	40	Log	16	106				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30	6120 - Lowland Cedar	Poletimber Well	11.7	108	Unspecified	N/A	Thick and wet, more "swampy" than 31.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir	10	Pole	6			Balsam Fir	High	Variable	Sapling	
Black Spruce	10	Pole	6			Black Spruce	High	Variable	Sapling	
Northern White Cedar	80	Pole/Log	10	108		Northern White Cedar	High	Variable	Sapling	

31	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	83.9	106	81-110	N/A	Mixed forest over cedar, looks like Drummond Island.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch	10	Pole	8			Balsam Fir	Low	Variable	Sapling	
Quaking Aspen	30	Log	12	106		Northern White Cedar	Medium	Variable	Pole	
Balsam Fir	10	Pole	6							
White Spruce	10	Log	12							
Northern White Cedar	40	Pole	9	106						

32	6120 - Lowland Cedar	Poletimber Well	31.7	112	Unspecified	N/A	Wet and swampy cedar with some regen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch	5	Pole	8			Balsam Fir	Medium	Variable	Sapling	
Quaking Aspen	5	Pole	10			Black Spruce	Low	Variable	Sapling	
Balsam Poplar	5	Pole	10			Northern White Cedar	Low	Variable	Sapling	
Balsam Fir	5	Pole	8							
Black Spruce	5	Pole	8							
Northern White Cedar	75	Pole/Log	10	112						

33	4134 - Aspen, Spruce/Fir	Sapling Medium	20.9	17	Immature	N/A	Cut in 2003, thimble berries and raspberries abound, cedar and pine reserved.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple	10	Pole	6			Blackberry/Raspberry	High	Variable	Tall Shrub	
Red Maple	10	Pole	6			Thimbleberry	High	Variable	Tall Shrub	
Paper Birch	10	Pole	6							
Quaking Aspen	40	Sapling	3	17						
Balsam Fir	10	Sapling	3							
White Spruce	10	Sapling	3							
Northern White Cedar	10	Pole	8							

34	6120 - Lowland Cedar	Sawtimber Well	17.3	137	Unspecified	N/A	Hessell Creek runs through stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch	5	Pole/Log	10			Balsam Fir	Medium	Variable	Sapling	
Quaking Aspen	10	Pole	10							
Balsam Fir	5	Pole	6							
White Spruce	5	Pole/Log	12							
Northern White Cedar	75	Pole/Log	10	137						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	4115 - Y.Birch, Hemlock NH	Sawtimber Well	85.1	110	81-110	N/A	Select cut in 2002-3, deer browsing, had a hawk nest last treatment, also has gullies as seen by balsam fir areas.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	12	110	Sugar Maple	Medium	Variable	Pole
Red Maple	15	Log/Pole	12		Red Maple	Medium	Variable	Pole
Yellow Birch	10	Log/Pole	14		Balsam Fir	Medium	Variable	Pole
Beech	5	Log/Pole	14		Aspen (spp.)	Low	Variable	Pole
Red Oak	10	Log/Pole	16					
Bigtooth Aspen	5	Log/Pole	16					
White Pine	5	Log	16					
Hemlock	10	Log	14					

36	6112 - Lowland Aspen	Poletimber Well	15.8	117	Unspecified	N/A	Wet and low but there is a nice ridge of aspen and an old road up through it.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole/Log	12	117	Balsam Fir	Medium	Variable	Sapling
Balsam Poplar	20	Pole	10		Deciduous Shrubs	Medium	Variable	Tall Shrub
Balsam Fir	20	Pole	8		Thimbleberry	Medium	Variable	Tall Shrub
White Spruce	10	Pole/Log	10					
Northern White Cedar	10	Pole/Log	12					
Black Ash	10	Sapling/Pole	5					

37	6223 - Inundated Shrub Swamp	Nonstocked	11.1		Unspecified	No	
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38	4319 - Mixed Upland Forest	Poletimber Well	6.8	84	51-80	N/A	Mature.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		Balsam Fir	High	Variable	Sapling
Paper Birch	10	Pole	8					
Quaking Aspen	20	Pole	10	84				
Balsam Fir	20	Pole/Sapling	6					
White Spruce	20	Pole/Log	12					
White Pine	5	Log	16					
Hemlock	5	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 9.9 106 Unspecified N/A Mature.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	12	
Quaking Aspen	15	Pole/Log	10	
Balsam Poplar	10	Pole	10	
Balsam Fir	10	Pole	8	
White Spruce	15	Pole/Log	12	
Black Spruce	5	Pole	8	
Northern White Cedar	20	Pole/Log	10	106
White Pine	10	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	Low	Variable	Pole
Deciduous Shrubs	Low	Variable	Tall Shrub

40 4136 - Aspen, Mixed Conifer Sapling Medium 37.7 32 Unspecified N/A Deer browsing, some parts still open with raspberries and thimbleberries.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Sapling	2	32
Balsam Fir	5	Sapling/Pole	4	
White Spruce	10	Sapling	1	
Northern White Cedar	5	Pole	6	
White Pine	5	Log	12	
Red Pine	5	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Thimbleberry	High	Variable	Tall Shrub

41 4319 - Mixed Upland Forest Sawtimber Well 5.6 106 51-80 N/A Cedar pocket not cut with old sale.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	6	
Quaking Aspen	40	Log	12	
White Spruce	5	Pole/Log	10	
Northern White Cedar	50	Pole/Log	10	106

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Medium	Variable	Pole

42 4139 - Aspen, Mixed Deciduous Poletimber Well 24.3 47 51-80 N/A Deer browse, not much understory, can walk though/under quite easily, trace of cherry.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Pole/Sapling	5	
Paper Birch	5	Pole/Sapling	5	
Quaking Aspen	40	Pole/Sapling	5	47
Balsam Fir	5	Pole/Sapling	5	
White Spruce	5	Pole/Sapling	5	
Northern White Cedar	5	Pole	8	
Ironwood	5	Pole/Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Medium	Variable	Sapling
Thimbleberry	High	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
43	6120 - Lowland Cedar	Poletimber Well	20.7	108	Unspecified	N/A	Wet cedar stand with running and standing water.																																																																
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44	4115 - Y.Birch, Hemlock NH	Sawtimber Well	10.0	160	81-110	N/A	Huge trees, steep on the east side, left when stand 42 was cut. large maple, yellow birch, hemlock and cedar.																																																																
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45	4319 - Mixed Upland Forest	Poletimber Well	6.4	110	81-110	N/A	Aspen cc around it 37 years ago, parts picked over when stand 42 was cut, other parts too steep.																																																																
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46	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	17.9	84	51-80	N/A	Deer browse, old seed tree cut, regen is OK but looks "picked over"																																																																
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47	612 - Lowland Coniferous Forest	Sapling Well	41.6	52	51-80	N/A	Stand is a mix of cedar, spruce and fir with lowland shrubs. Land exchange in 2019 with owners to the east. 80 for 80, see old inventory map.																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
48	42290 - Natural Mixed Pine	Sawtimber Well	22.4	116	51-80	N/A	Rocks-rocks -rocks, nice large red and white pine, and cedar.																																																					
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49	4134 - Aspen, Spruce/Fir	Sapling Medium	9.6	47	Unspecified	N/A	Cut in 1973, deer browse, but regen has reached past the deer and is fully stocked,																																																					
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50	6139 - Mixed Lowland Forest	Poletimber Well	15.1	114	Unspecified	N/A	North tip is more or less an island, really an extension of stand 27 with what looks like a little more wetland deciduous types.																																																					
51	6120 - Lowland Cedar	Sawtimber Well	101.1	112	Unspecified	N/A	Vast stand of almost pure cedar, not really low, can walk through easily quite open, hemlock is on north boundary.																																																					
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52	6120 - Lowland Cedar	Poletimber Well	66.8	148	Unspecified	N/A	More cedar and less wet and swampy than some cedar stands.																																																					
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53	500 - Water	Nonstocked	3.1		Unspecified	No																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
54	6223 - Inundated Shrub Swamp	Nonstocked	3.2		Unspecified	No				
55	6223 - Inundated Shrub Swamp	Nonstocked	75.6		Unspecified	No				
56	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	10.7	105	51-80	N/A	One of the coolest stands I ever saw. Semi-open with mature aspen, spruce and thimbleberries with a fringe of cedar along the south. I measured a 30" aspen still alive.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Quaking Aspen	40	Log	16	105	Balsam Fir	Low	Variable	Sapling
		Balsam Fir	20	Pole/Sapling	5		Thimbleberry	High	Variable	Tall Shrub
		White Spruce	20	Pole/Sap/Log	10					
57	4119 - Mixed Northern Hardwoods	Sapling Medium	8.0	84	51-80	N/A	Very steep slope to drainage to Pearson creek.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Sugar Maple	40	Sapling/Pole	6	84	Deciduous Saplings	Medium	Variable	Sapling
		Red Maple	25	Sapling/Pole	6					
		Paper Birch	10	Sapling/Pole	5					
		Balsam Fir	25	Sapling/Pole	5					
58	6239 - Mixed Emergent Wetland	Nonstocked	2.4		Unspecified	No				
59	429 - Mixed Upland Conifers	Sawtimber Well	54.1	148	51-80	N/A	Semi open with BIG white pine, very scenic, Peek-A-Boo ski trail / hiking trail in summer, on old logging road blocked to vehicles. North part of stand new acquisition in 2009. Has a ridge and swale topography low area look wet. Ski trail not groomed in 2020.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
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		Quaking Aspen	20	Pole/Log	9		Aspen (spp.)	Medium	Variable	Sapling
		Balsam Fir	5	Pole	8		Thimbleberry	Low	Variable	Tall Shrub
		White Spruce	5	Log/Pole	10					
		Northern White Cedar	30	Log/Pole	10	148				
		White Pine	30	Log	16	148				
60	4199 - Other Mixed Upland Deciduous	Poletimber Well	4.8	110	51-80	N/A	Small isolated hardwood stand, probably never to be cut			
61	6229 - Mixed lowland shrub	Nonstocked	2.1		Unspecified	No				
62	6111 - Lowland Balsam Poplar	Sapling Well	11.0	25	Unspecified	N/A	2009 acquisition			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Balsam Poplar	100	Sapling	3	25	Tag Alder	High	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
63	310 - Herbaceous Openland	Nonstocked	4.0		Unspecified	No	Scattered white spruce.																																																													
64	4119 - Mixed Northern Hardwoods	Sawtimber Well	73.0	110	81-110	N/A	Sale 006-12, nice hardwood stand with lots of diversity.																																																													
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65	6120 - Lowland Cedar	Sawtimber Medium	5.9	112	1-50	N/A	Sale 006-12, was an E type but all species cut except those left in canopy.																																																													
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66	6120 - Lowland Cedar	Poletimber Well	17.8	148	Unspecified	N/A	New acquisition 2009, very low, wet ground.																																																													
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67	6239 - Mixed Emergent Wetland	Nonstocked	44.0		Unspecified	No																																																														
68	6229 - Mixed lowland shrub	Nonstocked	21.6		Unspecified	No																																																														
69	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	38.0	148	Unspecified	N/A	Low, wet cedar.																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
70	4199 - Other Mixed Upland Deciduous	Poletimber Well	66.8	38	1-50	N/A	Cut in 1982, Peek-A-Boo Ski Trail in part of stand but not being groomed in 2020.																																																							
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71	4119 - Mixed Northern Hardwoods	Sawtimber Well	9.6	110	81-110	N/A	Deer browse, access through pvt but road goes into stand, sale 006-12.																																																							
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72	4319 - Mixed Upland Forest	Sawtimber Well	45.4	148	51-80	N/A	HUGE trees, cedar and sugar maple, Peek-A-Boo Ski Trail loops through, very steep on south end.																																																							
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73	42360 - Upland Cedar	Sawtimber Well	11.3	99	Unspecified	N/A	State has easement through gate on pvt from land exchange in 2019.																																																							
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74	500 - Water	Nonstocked	10.2		Unspecified	No																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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75 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 47.6 148 Unspecified N/A Surrounds Mac County garage on State Rd and includes the fingers of timber left after the "Great Experiment of the 1980's" when Stand 76 was cut, wetter, lower ground than 76.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	20	Pole/Log	10		Deciduous Shrubs	Medium	Variable	Tall Shrub
Balsam Poplar	5	Pole	8					
Balsam Fir	10	Pole	6					
White Spruce	10	Pole/Log	12					
Northern White Cedar	40	Pole/Log	12	148				

76 6139 - Mixed Lowland Forest Poletimber Poor 101.6 40 Unspecified N/A Age varies as some areas were cut in the early '80's, deer ex-closures were installed then but most have been destroyed, one or two still function and WD monitors them for cedar and white pine regen...which has been reasonably successful, much of this stand remains open and grassy/wet.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Sapling/Pole	5		Deciduous Shrubs	Medium	Variable	Tall Shrub
Quaking Aspen	30	Sapling/Pole	5	40				
Balsam Poplar	10	Sapling/Pole	5					
Balsam Fir	10	Sapling/Pole	5					
White Spruce	10	Sapling/Pole	4					
Northern White Cedar	10	Pole	8					
Tamarack	10	Sapling	3					
White Pine	10	Log	16					

77 6223 - Inundated Shrub Swamp Nonstocked 7.2 Unspecified No

78 500 - Water Nonstocked 4.1 Unspecified No

79 6120 - Lowland Cedar Sawtimber Well 32.0 148 Unspecified N/A Borders State Rd and M-134, SW corner has a ridge of higher ground but very rocky and same species composition, one low pocket of cedar with old road through it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	10	Pole/Log	12		Deciduous Shrubs	Medium	Variable	Tall Shrub
Balsam Fir	10	Pole	6					
Black Spruce	10	Pole	6					
Northern White Cedar	50	Pole/Log	12	148				
Tamarack	10	Pole/Log	10					
White Pine	5	Log	14					

80 6223 - Inundated Shrub Swamp Nonstocked 1.5 Unspecified No