



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45152

Entry Year 2022

Acreage: 1,801

County Mackinac

Management Area: Sage Truck Trail

Revision Date: 2020-07-29

Stand Examiner: Amy Baumgartner

Legal Description:

T 44N R 7W Sections 7 & 18; T 44N R 8W Section 12 N1/2, SW1/4, SESE Hendricks Township

Identified Planning Goals:

The compartment is three- and one-half miles north of Rexton along the Dinkey Line with the Hendrie River Road, Norton Camp Road and Giddings Truck Trail going through the compartment. The West Branch of the Hendrie River flows through the east side of the compartment. The compartment is in the Sage Truck Trail Management Area. Mixed stands are common within the compartment from lowland conifer, marsh and brush to aspen, northern hardwood, white pine, red pine and grassy openings.

Soil and topography:

The primary soils are Wallace sand, Paquin sand, Pullup sand, Paquin-Spot complex on the more upland sites. On the lowland and transition areas have Markey-Spot-Finch complex, Markey and Carbondale Muck, and Dawson and Loxley peats soils. The terrain is mostly level with a few small ridge areas. There is not much difference in the topography except along the river and drainages.

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

Sections 7 and 18 are completely state ownership and most of section 12 is state ownership with 120 acres of private land. The state owns the surrounding sections to the north, west, and east. There are private 80's that abut sections 12 and 18.

Unique Natural Features:

West Branch of Hendrie River flows through the east portion of compartment. Fibron Quarry is adjacent to the compartment. There is a potential for rare, threatened or endangered plant and animal species and natural communities within this compartment.

Archeological, Historical, and Cultural Features:

One of the grassy openings had past comments of an old logging camp site being present in the stand.

Special Management Designations or Considerations:

BMP guidelines will be adhered to along the West Branch of the Hendrie River and the small streams and wetlands of the compartment.

Watershed and Fisheries Considerations:

Fisheries Concerns: The West Branch Hendrie River on the east side of the compartment is a designated trout stream. It should be protected for the natural trout it supports. For clear-cut treatments in areas susceptible to aspen regeneration, a 300 ft buffer is recommended. Otherwise, standard BMP's apply when working near surface water.

Wildlife Habitat Considerations:

This compartment is part of the Sage Truck Trail MA where featured wildlife species include American marten, black bear, ruffed grouse, snowshoe hare, and white-tailed deer. This compartment is dominated by sandy soils in uplands and mucky soils in lowland areas. Northern hardwoods and aspen dominate in the northeastern part, while the northwestern portion contains a mix of red pine and aspen/hardwood mix. The southern portion contains the riparian area of the West Branch of the Hendrie River including habitat ranging from open water areas to scrub/shrub. Pockets of cedar, and mixed aspen and hardwoods are also present.

Hardwood stands have been thinned in the past, creating age class and structural diversity within stands and increasing the browse and cover near the forest floor. Management will continue to promote diversity within hardwood stands across the compartment by selectively harvesting some areas while leaving other areas until a future rotation. Hemlock will be left where present, species diversity will be maintained, and conifers will be maintained and encouraged in hardwood stands where poorly represented. These activities will benefit marten, deer, and bear, and hawks among others. Wetlands will be buffered to protect these systems, particularly those along the river. The river and riparian area will be protected to

provide habitat for beaver, wood ducks, and for travel corridors for bear and other species.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. Multiple active sand/gravel pits are within three miles south and southwest of the compartment. The former Fiborn Limestone Quarry is two miles east of the compartment. There is potential for both sand & gravel and high-purity bedrock limestone within the compartment. However, much of the compartment is covered by wetlands, which could inhibit surface development. There is potential for karst features in this area (e.g., caves, sinkholes).

Vehicle Access:

The compartment has the Dinkey Line, Hendrie River Road, Norton Camp Road and Giddings Truck Trail going it as main point of access. Some small woods roads are found with little use and some filling in completely. The trail road heading northwest off the Dinkey Line in section 12 has been blocked, but has been reopened by 4 wheelers and needs to be rebermed to limit the vehicle access. The road has an old wood box culvert still operating.

Survey Needs:

None.

Recreational Facilities and Opportunities:

No recreational facilities are present in this compartment. Most recreational activities are hunting, trapping and sightseeing.

Fire Protection:

The red pine plantations in section 12 pose a moderate danger for fire activity with wet areas, hardwood and aspen stands surrounding except for to the north of the plantations limiting the danger. A fuel break is maintained on the north side of the plantation. The other portions of the compartment have a limited fire potential.

Additional Compartment Information:

The following reports from the Inventory are attached:

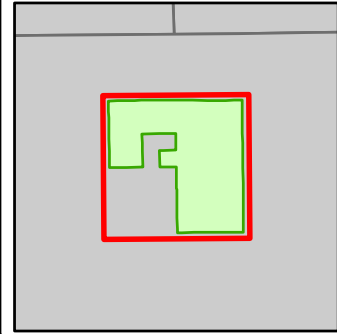
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

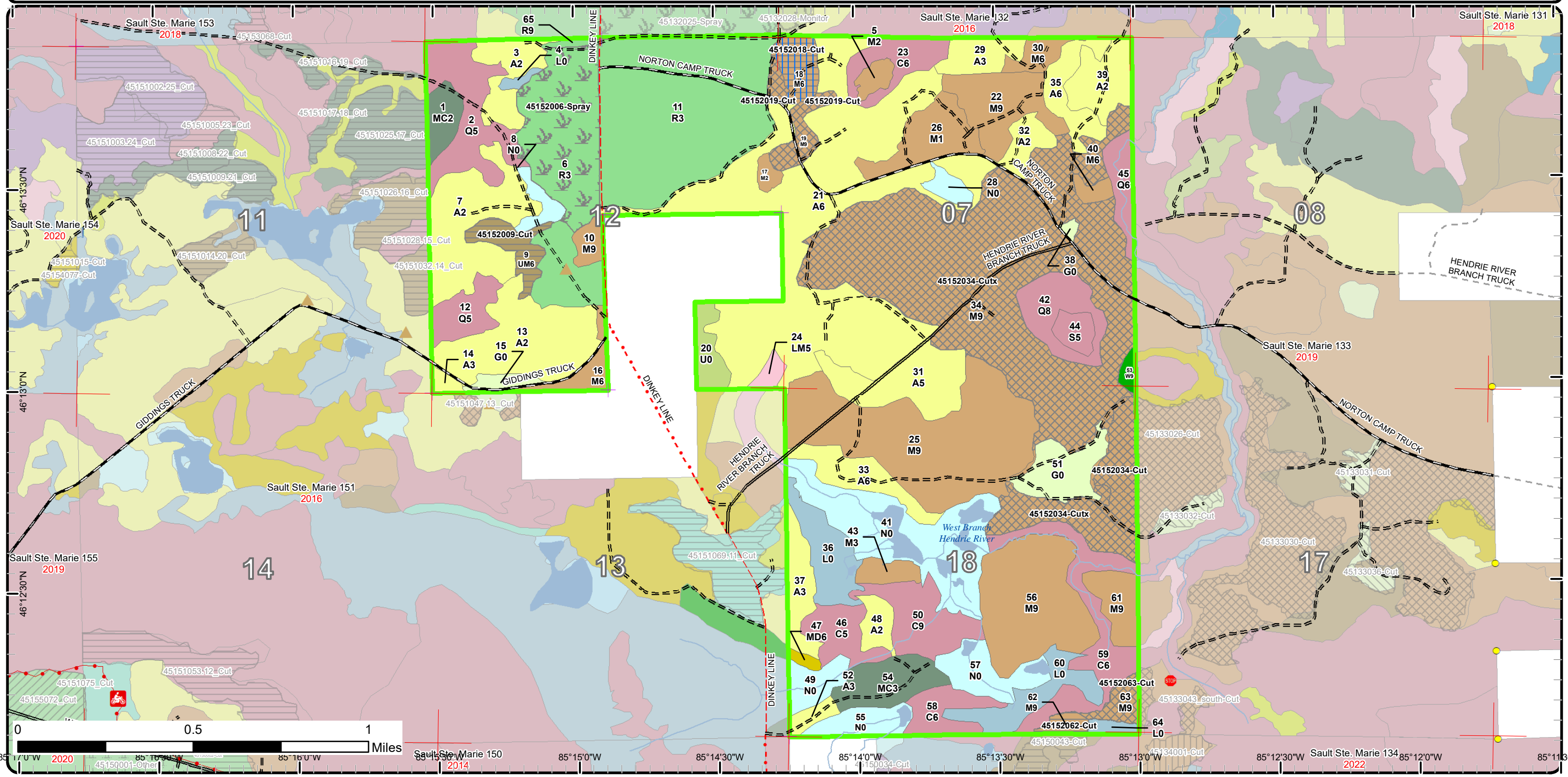
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 152
 T44N, R07W, Sec. 7, 18
 T44N, R08W, Sec. 12
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Sage Truck Trail
 YOE: 2022
 Acres: 1,801 GIS Calculated
 Examiner: Amy Baumgartner
 Map Revised: 8/10/2020
 Map Phase: Web Post

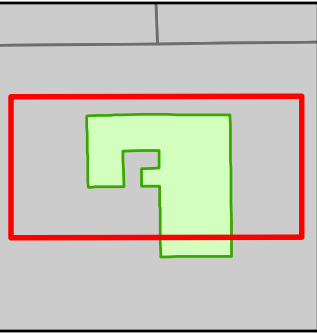


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Berms
- Sign
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Pesticide
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland

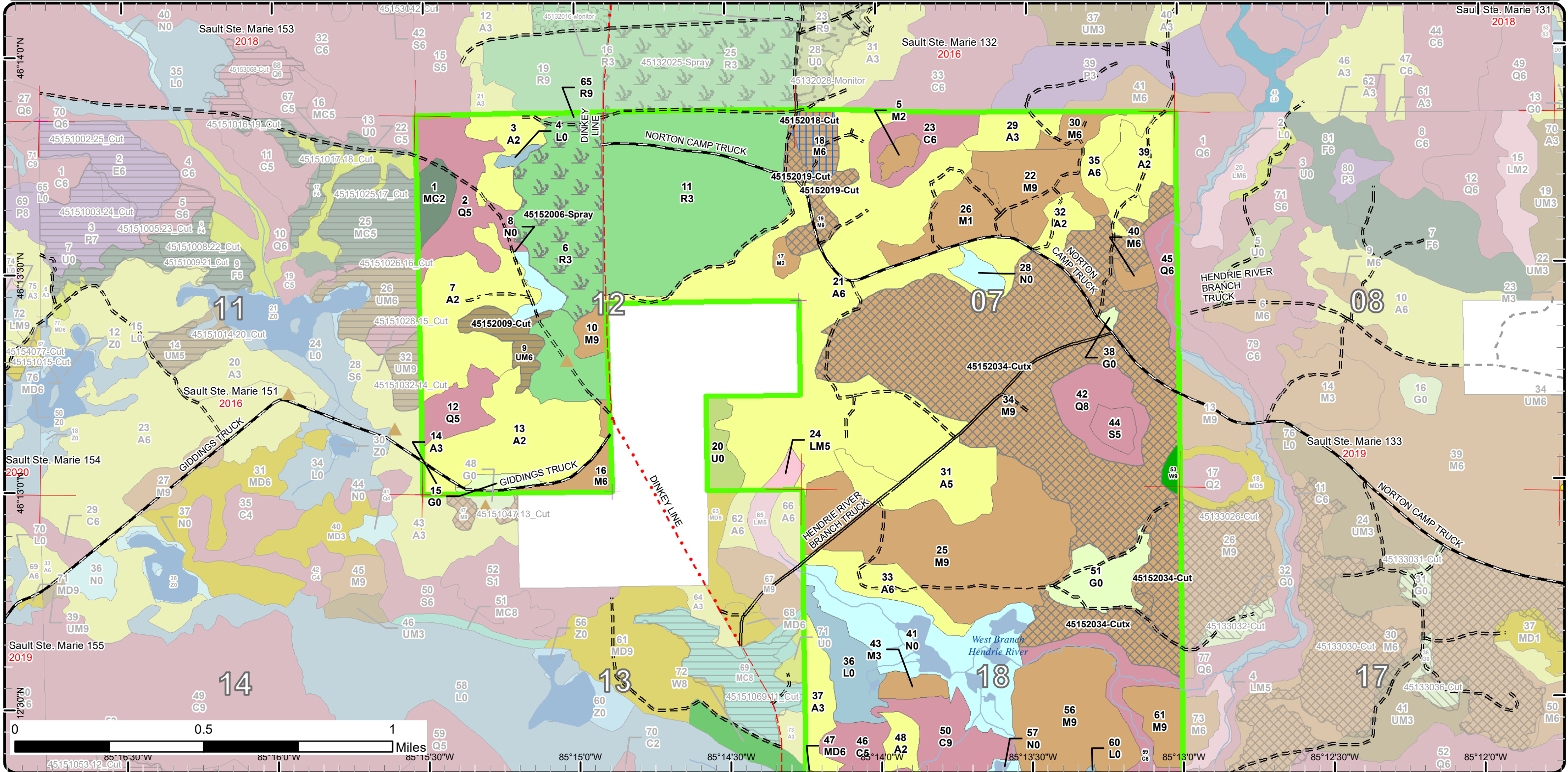


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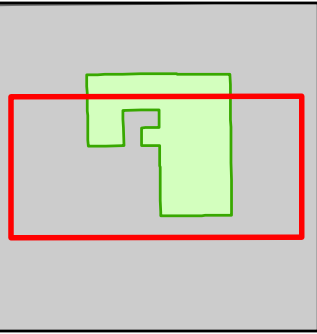


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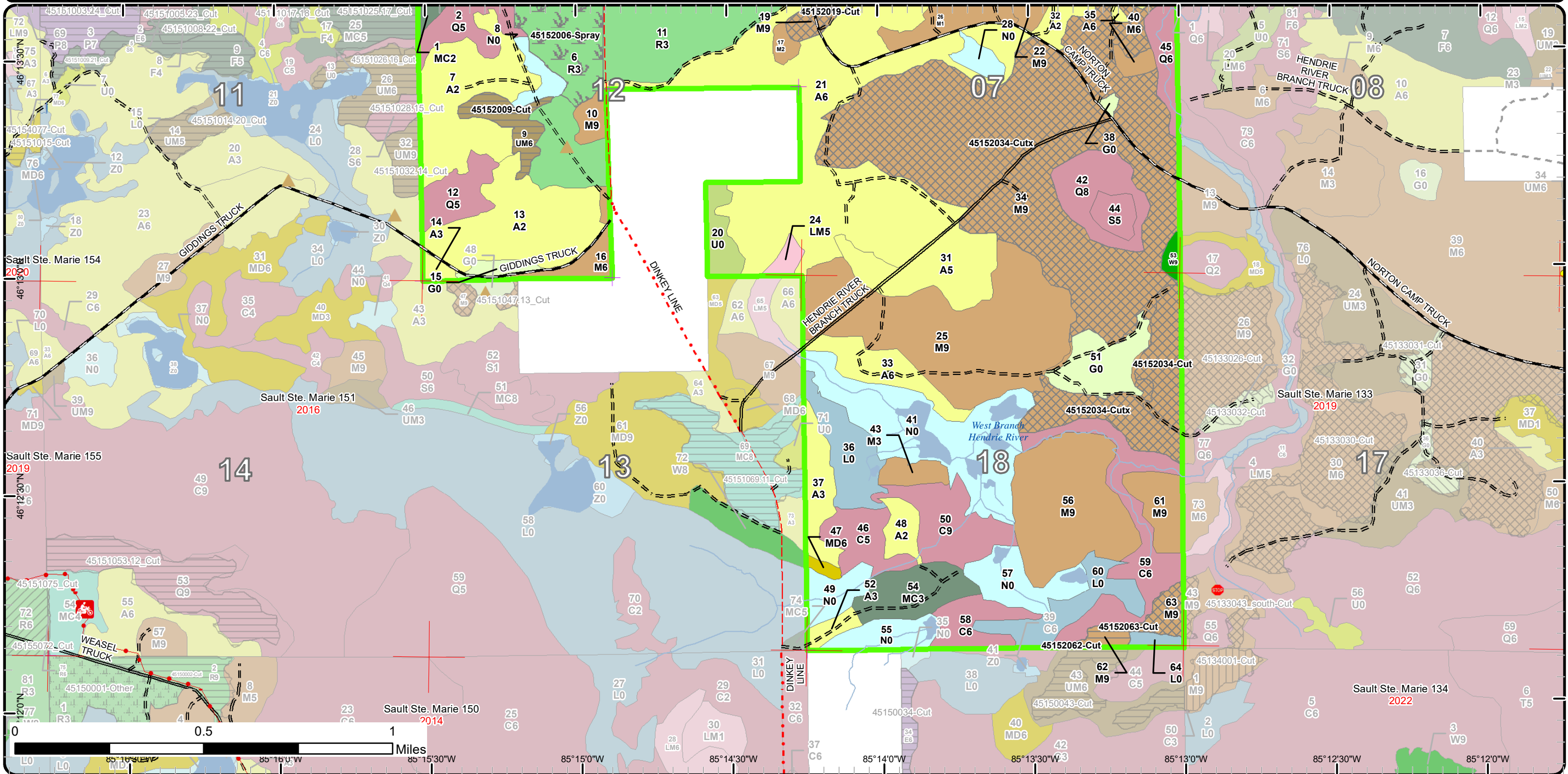


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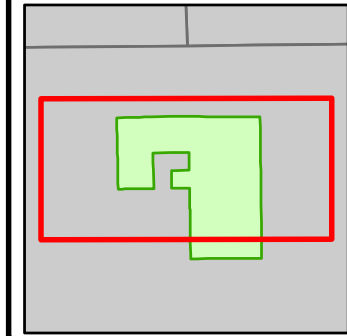


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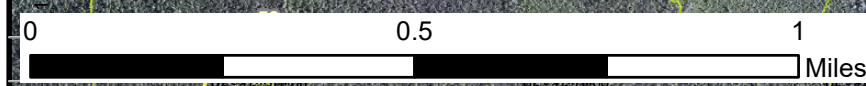
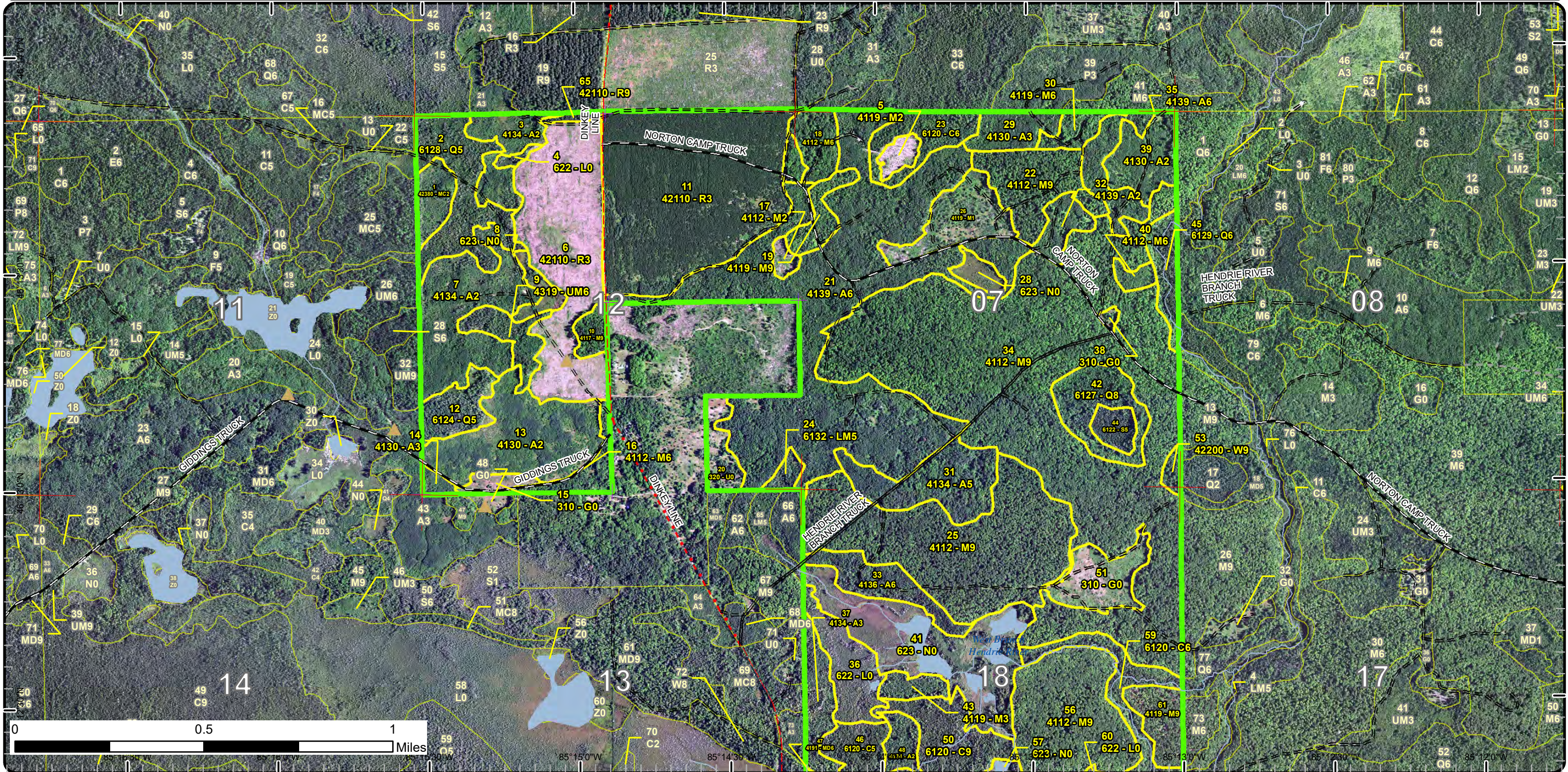


Stand Boundary Map

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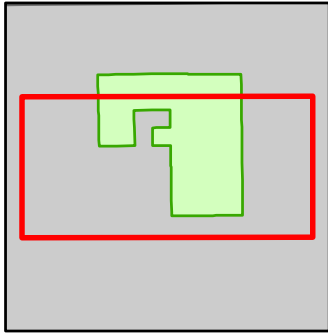
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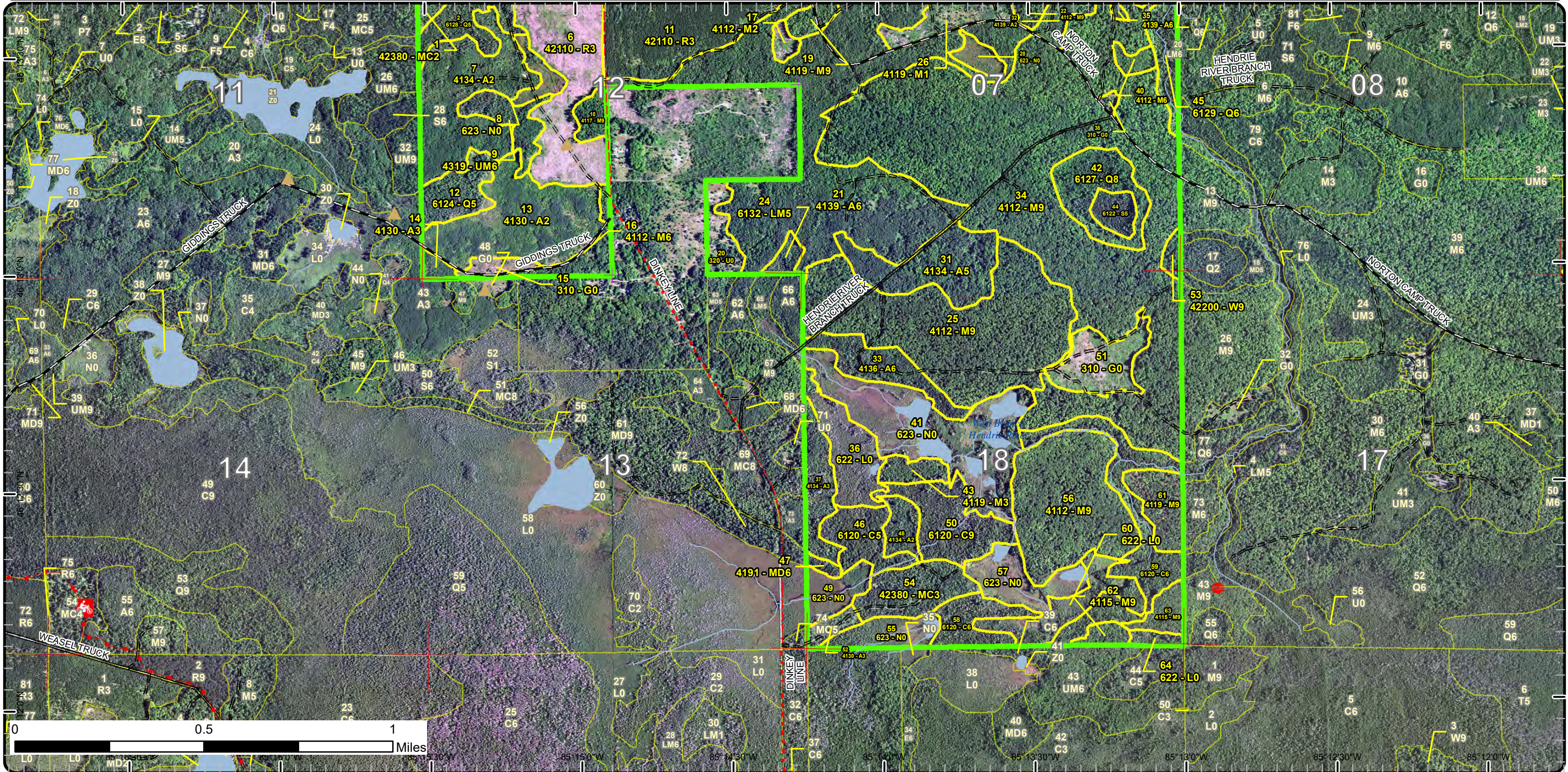
85° 15' 0" W 85° 14' 30" W 85° 14' 0" W 85° 13' 30" W 85° 13' 0" W

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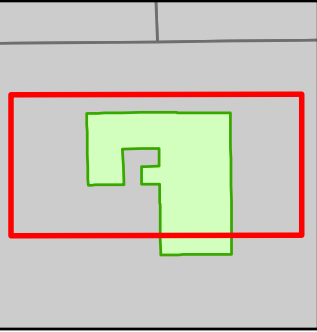


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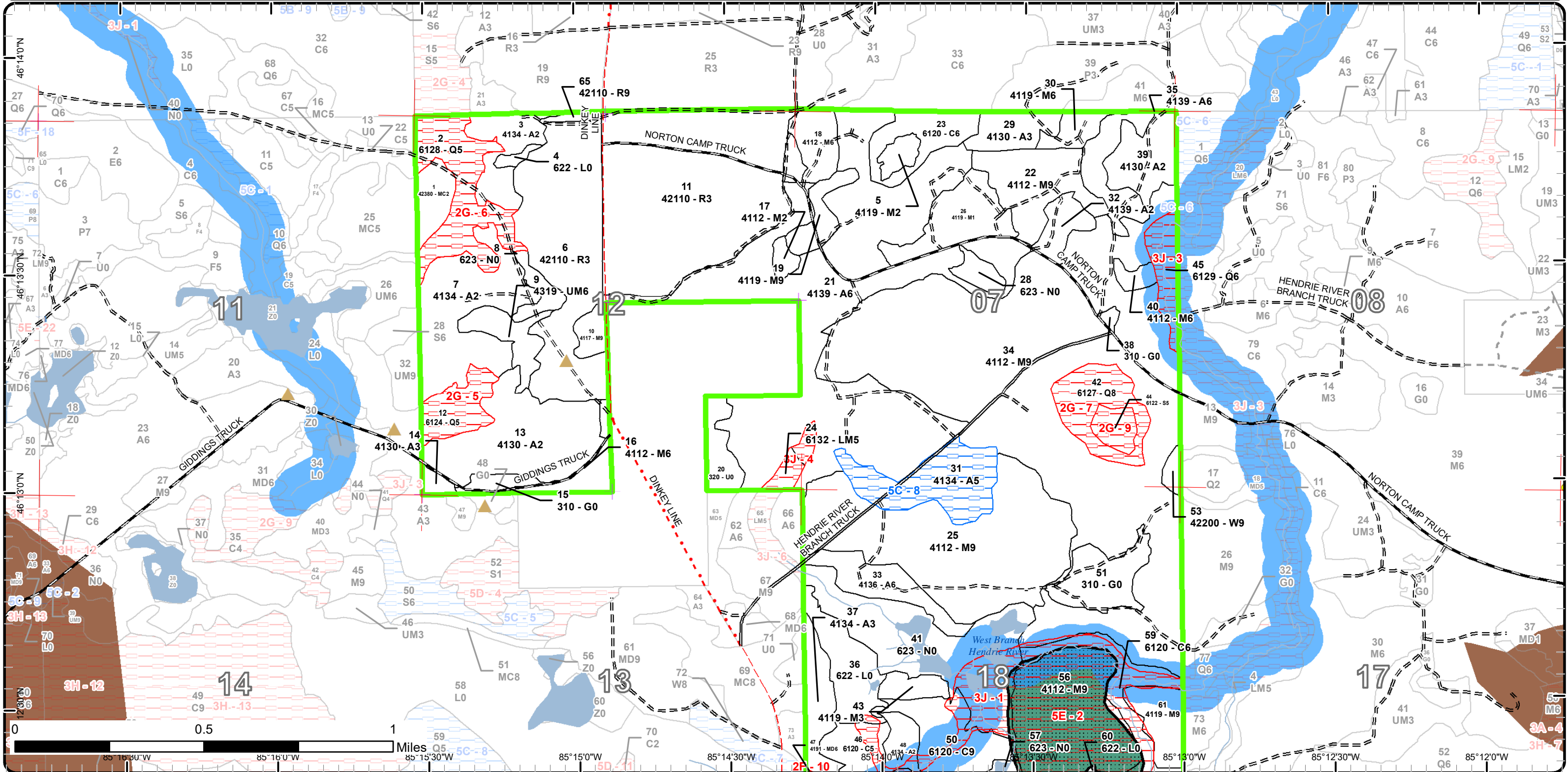


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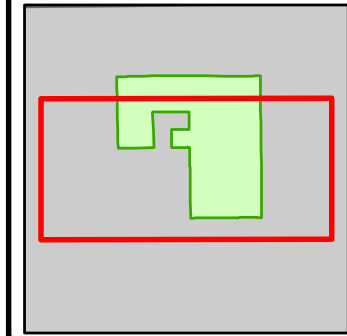


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Habitat Corridor

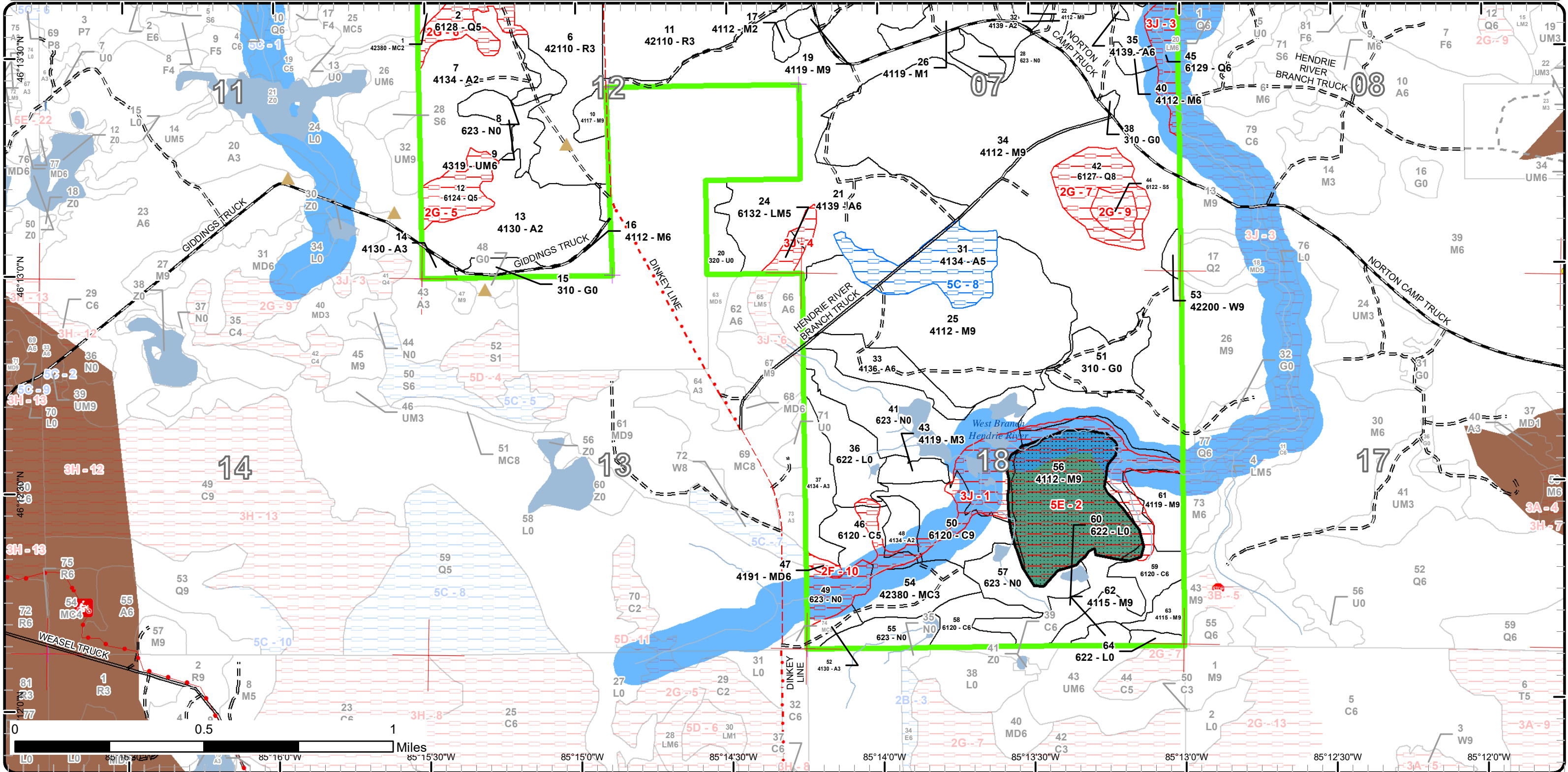


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 - Cold Water Lakes
 - High Priority Trout Stream Buffer
 - Deer Winter Range
 - Habitat Corridor
- 5C: Delay treatment for age/size class diversity or exceptional site quality
 2F: Too steep
 2G: Too wet (sensitive soils, does not include access issues)
 3J: Water quality / BMPs (stream, river, or lake)
 5E: Long-Term Retention



Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit

Compartment 152 Year of Entry 2022

Amy Baumgartner : Examiner



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	5	74	325	36	0	34	0	0	0	0	0	0	0	0	0	0	0	474
Cedar	0	0	0	0	0	0	0	0	0	0	15	83	17	0	0	0	0	0	115
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Conifers	0	0	0	0	0	0	0	0	0	16	37	0	0	0	37	0	0	0	90
Lowland Mixed Forest	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
Lowland Shrub	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Marsh	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	34	0	7	12	0	0	0	23	73	0	37	0	447	0	0	0	0	632
Red Pine	0	83	0	133	0	0	0	0	0	2	0	0	0	0	0	0	0	0	217
Upland Conifers	0	0	0	11	22	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Upland Mixed Forest	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Upland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Total	212	122	74	476	70	13	34	0	36	91	52	120	17	447	40	0	0	0	1802



Report 2 – Treatment Summary

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

Compartment 152
Total Compartment Acres: 1,801

Acres of Harvest

Commercial Harvest - 357
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	4	327	0	13	0	0	0	0	0	344
Upland Mixed Forest	13	0	0	0	0	0	0	0	0	13
Total	17	327	0	13	0	0	0	0	0	357

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	357	0	0	0	0	61	0	0	0	418
Next Step	0	0	0	0	0	0	418	0	0	418
Total	357	0	0	0	0	61	418	0	0	836



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:

9	45152009-Cut	12.9	4319 - Mixed Upland Forest	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Cut all deciduous trees 2" dbh or more and conifers 4" dbh or more.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable balsam fir, red maple, quaking aspen, white spruce, black cherry, red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

18	45152018-Cut	12.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	105	81-110	Harvest	Seed Tree with Retention	411 - Northern Hardwood	Even-Aged	No
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Prescription Uniform seed tree. 10-20 BA. Select a variety of different hardwood species that are mature and in good health for the seed trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwoods, aspen, spruce, balsam fir

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

19	45152019-Cut	13.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	105	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
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Prescription thin to 60-80 ba. leave hemlock and super canopy white pine

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hw, hemlock, cedar bf, white pine

Regen:

Other

leave trees in wet areas

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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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
34 45152034-Cutx	285.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	125	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin to 70-90 BA. Stand is very large and variable in BA, so some areas may need more thinning than others. Leave all hemlock. Create some canopy gaps around yellow birch and black cherry to help regenerate the species. The canopy gaps should be at least 2 tree lengths in diameter for yellow birch. Leave conifer where they are limited in abundance.</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</u> Northern hardwoods, balsam fir, spruce, hemlock</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 /2021</p>										

Approved Treatments:

6 45152006-Spray	60.8	42110 - Planted Red Pine	Sapling Well	6	Immature	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Release Spray</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Herbicide Use</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> RP</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 /2019</p>										
34 45152034-Cut	20.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	125	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to regulation (approximately 70-90 ba). Promote quality black cherry and yellow birch where present. Do not cut any White Pine, hemlock, or oak if present. Leave 1-2 wolfy trees per acre, and leave at least 2 yellow birch and/or maple with rough bark per acre where present.</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</u> Moderate to fully stocked maple, birch, aspen, cherry, balsam fir, spruce, white pine, or hemlock.</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> 9 /12/2019</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
62 45152062-Cut	4.4	4115 - Y.Birch, Hemlock NH	Sawtimber Well	84	141-170	Harvest	Clearcut with Retention	4115 - Y.Birch, Hemlock NH	Even-Aged	No
<p><u>Prescription</u> Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand. Actual treatment size may vary depending on what conditions are found on the ground.</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> Any mix of maple, aspen, birch, cherry, cedar, balsam fir, spruce, hemlock, pine, or cedar.</p> <p><u>Other Comment:</u> cut with adjacent compartment. (See Management Considerations in Stage 1) Old next step comments: Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar maple, aspen, ash, beech, and balsam fir.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>										
63 45152063-Cut	7.7	4115 - Y.Birch, Hemlock NH	Sawtimber Well	78	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Uneven-Aged	No
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood if present and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Open up the drip line of the hemlock. Actual treatment size may vary depending on what conditions are found on the ground.</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> Any mix of maple, aspen, hemlock, pine, cherry, birch, balsam fir, spruce, or cedar.</p> <p><u>Other Comment:</u> Need to put road and bridge from the east across west branch of Hendrie River to access the stand. Should be cut with stands 56 and 61. Care must be taken to prevent erosion and problems from the bridge and road placements on and around the trout streams. Variance- There have been some changes requested to the treatment prescription proposed. The new prescription will be in stands: 45152063-cut, 45133043-south-cut and 45134001-cut, will be changed to clearcut with retention to cut all trees 2 inches in DBH or more, while leaving all white pine, hemlock, cedar and yellow birch and one to three quality hardwood trees where present to the acre. Also leave 3% to 10% retention for the whole area and place 5 chain no-cut buffer around the nest. Actual treatment size may vary depending on what conditions are found on the ground. Old next step comments: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow birch, balsam fir, spruce, aspen and hemlock.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>										

Total Treatment 417.9
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Amy Baumgartner : Examiner

Compartment: 152
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available
473	436	33	4

Dominant Site Conditions

	Total Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available	Dominant Site Conditions				
					5C	2F	2G	3J	5E
473	436	33	4	Aspen	33			4	
116	88	0	28	Cedar				26	1
28	28	0	0	Herbaceous Openland					
89	0	0	89	Lowland Conifers			76	13	
4	0	0	4	Lowland Mixed Forest				4	
49	48	0	1	Lowland Shrub				1	
7	0	0	7	Lowland Spruce/Fir			7		
124	94	0	30	Marsh				28	2
2	0	0	2	Mixed Upland Deciduous		2		0	
631	567	0	64	Northern Hardwood				3	61
218	218	0	0	Red Pine					
33	33	0	0	Upland Conifers				0	
13	13	0	0	Upland Mixed Forest					
11	11	0	0	Upland Shrub					
3	3	0	0	White Pine					
1,801	1,539	33	228	Total Forested Acres	33	2	83	78	65
	85%	2%	13%	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)	59	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
SCA. Habitat corridor. This stand is being managed for old growth conditions. It was selected to replace a stand proposed to be managed for old growth characteristics in a nearby stand/compartment to the southeast per agreement of the unit manager and wildlife biologist. This stand had similar characteristics as the other stand, and the access is more limiting than the other stand.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Amy Baumgartner : Examiner

Compartment: 152
Year of Entry: 2022

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Amy Baumgartner : Examiner

Compartment: 152
Year of Entry: 2022

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
	Habitat Area	Habitat Corridor	SCA	65
Comments Managing toward old growth conditions for wildlife habitat.				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Medium	10.9	23	Immature	N/A	Cut on Dinkey Monster Sale. Areas are open. deer browse heavy in areas.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Sapling	3	
Quaking Aspen	25	Sapling/Pole	4	
Balsam Fir	20	Sapling	3	
White Spruce	35	Pole/Sapling	6	23
Tamarack	10	Sapling/Pole	4	
White Pine	2	Sapling	3	

2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	36.8	94		N/A	Mixed lowland with More cedar Fir and spruce. Mortality occurring and poor quality. Very wet, open water and flowing creek in January. Tag alder is filling in the areas of mortality. Great rabbit!
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Black Spruce	Low	Variable	Sapling
Paper Birch	10	Pole	9		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	28	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Northern White Cedar	30	Pole	8	94	Cherry (spp.)	Low	5 - 10 feet	Sapling
Tamarack	15	Pole	7					

3	4134 - Aspen, Spruce/Fir	Sapling Medium	19.0	23	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Sapling	3		Cherry (spp.)	Low	5 - 10 feet	Sapling
Black Spruce	20	Pole/Sapling	5		Dogwood (spp.)	Medium	5 - 10 feet	Tall Shrub
Black Cherry	5	Sapling	3					
Red Pine	5	Pole/Sapling	5					
Quaking Aspen	55	Pole/Sapling	6	23				
White Pine	5	Pole/Sapling	5					

4	622 - Lowland Shrub	Nonstocked	2.0			No	
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5	4119 - Mixed Northern Hardwoods	Sapling Medium	5.3	7	Immature	N/A	Stand was cut in 2013. Hemlock, cedar and some birch left.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	60	Sapling	4	7
Black Spruce	10	Pole	5	
Northern White Cedar	10	Pole	7	
Balsam Fir	10	Sapling	4	
Paper Birch	10	Sapling	4	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	42110 - Planted Red Pine	Sapling Well	83.0	6	Immature	N/A	Planted in 2014. 3rd year regen check passed in 2017.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Sapling	1	6				
7	4134 - Aspen, Spruce/Fir	Sapling Medium	50.5	23	Immature	N/A	Open areas with more spruce and fir. Wet in areas. Large pockets of good, thick aspen regen.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		10	Sapling	2					
Quaking Aspen		50	Sapling	3	23				
Balsam Fir		10	Sapling	3					
White Spruce		15	Pole/Sapling	5					
Black Cherry		3	Sapling	2					
Tamarack		5	Sapling	3					
Red Pine		2	Sapling	3					
Paper Birch		5	Pole/Sapling	5					
8	623 - Emergent Wetland	Nonstocked	6.5			No			
9	4319 - Mixed Upland Forest	Poletimber Well	12.9	45	81-110	N/A	Mixed stand with maple, aspen, fir. There it's an old red pine stand towards the SW about 3 acres		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		40	Pole	8	45	Red Maple	Medium	Variable	Sapling
Quaking Aspen		5	Pole/Sapling	6	45	Balsam Fir	High	Variable	Sapling
Balsam Fir		34	Pole	8		Black Cherry	Low	5 - 10 feet	Sapling
White Spruce		15	Pole/Sapling	7					
Northern White Cedar		2	Pole	7					
Black Cherry		2	Pole	8					
Red Pine		2	XLog/Log	18					
10	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	6.2	83	81-110	N/A	Stand thinned in 2013.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		50	Log/Pole	12	83	Red Maple	Low	Variable	Sapling
Red Maple		15	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
White Pine		10	Log/Pole	13		Black Cherry	Low	Variable	Sapling
Red Pine		25	Log/Pole	13	83	Beech	Low	5 - 10 feet	Sapling
11	42110 - Planted Red Pine	Sapling Well	132.5	24	Immature	N/A	Bay city Pine sale was burned and replanted to red pine Some lower areas with aspen and cherry Pine looks good.		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		2	Sapling	3	22				
Red Pine		97	Sapling/Pole	4	24				
Black Cherry		1	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12	6124 - Lowland Spruce-Fir	Poletimber Medium	15.7	84	111-140	N/A	Lowland stand with wet areas and openings. Some nice white pine on higher areas,
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Pole	9		Alder	
Paper Birch		2	Pole	8		Dogwood (spp.)	
Quaking Aspen		3	Pole/Log	9		Density	Avg. Height
White Spruce		6	Pole	9		Low	Variable
Black Spruce		45	Pole	8	84	< 5 feet	Tall Shrub
Northern White Cedar		4	Pole	6			
Tamarack		16	Pole	8			
White Pine		22	Log	15			

13	4130 - Aspen	Sapling Medium	53.5	13	Immature	N/A	Dinkey Clean up Sale was chipped in 2007.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Sapling	2	13		
Quaking Aspen		65	Sapling	2	13		
Black Cherry		25	Sapling	2	13		
Paper Birch		3	Sapling	3	13		
White Spruce		2	Sapling	1			

14	4130 - Aspen	Sapling Well	3.1	23	Immature	N/A	Part of Green Hornet Sale.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Sapling	3		Hazelnut (Beaked)	
Quaking Aspen		65	Sapling	2	23	Density	Avg. Height
Black Cherry		5	Sapling	2	23	Low	< 5 feet
Paper Birch		10	Sapling	4		Tall Shrub	
Balsam Fir		5	Sapling	3			

15	310 - Herbaceous Openland	Nonstocked	5.4			No	
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Low	>20 feet	Pole			
Balsam Fir		Low	10 - 20 feet	Pole			
Yellow Birch		Medium	10 - 20 feet	Sapling			
Black Cherry		Low	10 - 20 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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16 4112 - Maple, Beech, Cherry Association Poletimber Well 10.2 103 51-80 N/A Part of Tribal sap area. Stand thinned in 2013.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	64	Log	14	103	Sugar Maple	Low	Variable	Sapling
Red Maple	25	Log	12		Black Cherry	Low	Variable	Sapling
Beech	1	Pole/Log	9		Beech	Medium	Variable	Sapling
Black Cherry	5	Log/Pole	12		White Pine	Low	Variable	Sapling
Yellow Birch	5	Log/Pole	10		Balsam Fir	Low	Variable	Sapling

17 4112 - Maple, Beech, Cherry Association Sapling Medium 3.4 5 Immature N/A Cut in 2015.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	45	Sapling	3	5
Red Maple	40	Sapling	3	5
Balsam Fir	15	Sapling	3	

18 4112 - Maple, Beech, Cherry Association Poletimber Well 12.7 105 81-110 N/A Some nice Maple clumps. Opening which has been filling in. BA is rather variable through out stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	9	105	Sugar Maple	Medium	Variable	Sapling
Red Maple	25	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Balsam Fir	5	Pole/Sapling	6		Black Cherry	Low	< 5 feet	Sapling
Black Cherry	15	Pole	8		White Spruce	Low	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	6					
White Spruce	5	Log	13					

19 4119 - Mixed Northern Hardwoods Sawtimber Well 13.8 105 111-140 N/A Thinned in '97. Has some wet spots through out. Patches of hemlock.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Log	12	105	Red Maple	Medium	Variable	Sapling
Red Maple	50	Log	12	105	Balsam Fir	Low	Variable	Sapling
Yellow Birch	9	Pole/Log	9					
Paper Birch	2	Pole/Log	9					
Balsam Fir	2	Pole	6					
Hemlock	10	Log/XLog	14					
White Pine	2	XLog/Log	18					
Northern White Cedar	5	Log	11					

20 320 - Upland Shrub Nonstocked 10.9 No few scattered clumps of trees. cherry, spruce



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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21	4139 - Aspen, Mixed Deciduous	Poletimber Well	204.4	25	Immature	N/A	Upland and lowland in areas. Few tag alder low areas. Mackinac Mix stand with heavier aspen areas. Nice aspen.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	25
Paper Birch	15	Pole/Sapling	5	
Quaking Aspen	40	Pole/Sapling	6	25
Bigtooth Aspen	5	Sapling	4	25
Balsam Fir	8	Pole/Sapling	6	
White Spruce	2	Sapling	4	
Black Cherry	20	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling

22	4112 - Maple, Beech, Cherry Association	Sawtimber Well	30.5	125	51-80	N/A	Stand thinned in 2013.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Log/Pole	13	125
Red Maple	20	Log/Pole	13	
Yellow Birch	8	Log/Pole	13	
White Spruce	2	Pole	8	
Black Cherry	10	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling
Beech	Medium	10 - 20 feet	Sapling

23	6120 - Lowland Cedar	Poletimber Well	17.9	104	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	6	88
Northern White Cedar	75	Pole	7	104
Black Spruce	15	Pole	6	
Quaking Aspen	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub

24	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	4.0	75		N/A	Stand has deteriorated with mortality to balm and cedar, Heavy understory and is wet at most times Very low quality and limited volume.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	9	
Yellow Birch	5	Log/Pole	12	
Balsam Poplar	40	Pole	8	75
White Spruce	10	Pole	7	
Northern White Cedar	32	Pole/Log	8	
Black Ash	3	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Low	Variable	Sapling
White Spruce	High	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25 4112 - Maple, Beech, Cherry Association Sawtimber Well 108.8 125 81-110 N/A Stand thinned in 2013.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log/Pole	13	125	Sugar Maple	Medium	Variable	Sapling
Red Maple	20	Log/Pole	13		Black Cherry	Low	Variable	Sapling
Yellow Birch	5	Log/Pole	15		Balsam Fir	Medium	>20 feet	Sapling
White Spruce	2	Pole	8		Beech	Medium	>20 feet	Sapling
Black Cherry	10	Log/Pole	13					
Quaking Aspen	3	Log/Pole	14					

26 4119 - Mixed Northern Hardwoods Sapling Poor 24.5 8 Immature N/A Opening which has filled in. Clumpy and patchy. Clearcut with retention in 2012

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Pole	6	
Paper Birch	30	Sapling	4	
Red Maple	40	Sapling	2	8
Black Cherry	20	Sapling	2	

28 623 - Emergent Wetland Nonstocked 5.7 No

29 4130 - Aspen Sapling Well 13.4 26 Immature N/A Nice regen. A few open areas.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Sapling	4	
Paper Birch	10	Pole/Sapling	5	
Quaking Aspen	75	Sapling	4	26
Balsam Fir	2	Sapling	4	
Black Cherry	5	Sapling	3	

30 4119 - Mixed Northern Hardwoods Poletimber Well 7.7 36 81-110 N/A Mixed type some aspen and hardwood with balsam pockets. Cut in 1984.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log/Pole	10		Red Maple	Low	Variable	Sapling
Red Maple	50	Pole	9	36	Black Cherry	Low	Variable	Sapling
Yellow Birch	5	Pole/Sapling	6					
Quaking Aspen	10	Pole	9	36				
Balsam Fir	5	Pole/Sapling	6					
White Spruce	2	Pole	8					
Black Cherry	10	Pole	8					
Paper Birch	3	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31 4134 - Aspen, Spruce/Fir Poletimber Medium 33.5 53 Unspecified N/A Very mixed stand of different age classes and species. Old chopper's choice cut. Some areas of more hardwood. Very thick understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	7		Red Maple	Low	Variable	Sapling
Quaking Aspen	50	Pole/Sapling	7	53	Quaking Aspen	Medium	Variable	Sapling
Balsam Fir	20	Pole	6					
Black Cherry	15	Pole/Sapling	7					

32 4139 - Aspen, Mixed Deciduous Sapling Medium 10.0 24 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	4		Black Cherry	Low	< 5 feet	Sapling
Paper Birch	5	Sapling	3		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Quaking Aspen	45	Sapling	4	24				
Bigtooth Aspen	10	Sapling	4	24				
Black Cherry	20	Sapling	4					
Balsam Fir	5	Sapling	3					

33 4136 - Aspen, Mixed Conifer Poletimber Well 19.2 37 51-80 N/A Nicely regenerated stand. Just over into pole class. Mix of aspen and hardwood, Few balsam and spruce mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	5		Bigtooth Aspen	High	Variable	Sapling
Quaking Aspen	15	Pole	8		Black Cherry	Medium	Variable	Sapling
Bigtooth Aspen	35	Pole	8	37	Paper Birch	Medium	Variable	Sapling
Balsam Fir	10	Pole/Sapling	5					
Black Cherry	5	Pole/Sapling	5					
White Pine	10	Log/Pole	10					
Paper Birch	5	Pole	6					
White Spruce	5	Log/Pole	10					

34 4112 - Maple, Beech, Cherry Association Sawtimber Well 307.5 125 81-110 N/A Stand was part of larger maple/ beech/ cherry association stands but was separated when those parts of the strand were thinned. Some standing dead beech in stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log/Pole	13	125	Sugar Maple	Medium	Variable	Sapling
Red Maple	20	Log/Pole	13		Black Cherry	Medium	Variable	Sapling
Yellow Birch	7	Log/Pole	13		Beech	Low	10 - 20 feet	Sapling
White Spruce	2	Pole	8		Balsam Fir	Low	Variable	Sapling
Black Cherry	10	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35 4139 - Aspen, Mixed Deciduous Poletimber Well 16.9 36 81-110 N/A Mixed type some aspen and hardwood with balsam pockets. Cut in 1984.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	4	Pole	8		Red Maple	Low	Variable	Sapling
Red Maple	30	Pole	9		Black Cherry	Low	Variable	Sapling
Yellow Birch	5	Pole/Sapling	6					
Quaking Aspen	40	Pole	9	36				
Balsam Fir	7	Pole/Sapling	6					
White Spruce	4	Pole	8					
Black Cherry	10	Pole/Sapling	5					

36 622 - Lowland Shrub Nonstocked 22.6 No Scattered black spruce and dead standing cedar. Lots of tag alder. There's a small pocket of conifers at the northern most point of stand.

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	>20 feet	Pole
Tag Alder	High	5 - 10 feet	Tall Shrub

37 4134 - Aspen, Spruce/Fir Sapling Well 16.5 26 Immature N/A 3 tubes sale cut in 1994

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	3		Red Maple	Low	Variable	Sapling
Paper Birch	10	Sapling	3		Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	30	Sapling	3	26				
Balsam Fir	12	Sapling	4					
White Spruce	15	Pole/Sapling	5					
White Pine	3	Sapling	4					
Black Cherry	5	Sapling	3					
Quaking Aspen	15	Sapling/Pole	3					

38 310 - Herbaceous Openland Nonstocked 1.4 No has a few pole sized trees of various species

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Pole
Red Maple	Medium	>20 feet	Sapling
Balsam Fir	Low	>20 feet	Pole

39 4130 - Aspen Sapling Medium 20.3 12 Immature N/A Cut in 2008 on September Rain Sale.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Quaking Aspen	80	Sapling	2	12
Balsam Fir	5	Sapling	3	
Black Cherry	5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 4112 - Maple, Beech, Cherry Association Poletimber Well 4.0 36 51-80 N/A Cut in 1984. Mix of maple, aspen, cherry and fir. Cherry is very low quality with lots of burls and a handful standing dead. Some scattered mature sugar maple remain. Mature balsam and spruce are at the southeastern part of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	37	Pole	8	36	Red Maple	Low	Variable	Sapling
Red Maple	20	Pole	8		Balsam Fir	Low	Variable	Sapling
Paper Birch	1	Pole/Sapling	6					
Balsam Fir	10	Pole/Sapling	5					

41 623 - Emergent Wetland Nonstocked 66.9 No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub

42 6127 - Lowland Pine Sawtimber Medium 23.6 132 81-110 N/A Small ridges but mostly lowland. Leave. Small pockets of hemlock.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	6	Pole	7		Black Spruce	Low	Variable	Sapling
Paper Birch	3	Pole	8		Tamarack	Low	Variable	Sapling
Black Spruce	20	Log/Pole	10	58	White Pine	Low	Variable	Sapling
Tamarack	10	Pole	7		Red Maple	Medium	>20 feet	Sapling
White Pine	55	Log	16	132	Black Cherry	Low	>20 feet	Sapling
Balsam Fir	5	Pole	9					
Hemlock	1	Log	10					

43 4119 - Mixed Northern Hardwoods Sapling Well 7.2 26 Immature N/A Mostly red maple and cherry regeneration. Nice thick regen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Sapling	4	26
Paper Birch	10	Sapling	3	
Balsam Fir	8	Sapling	4	
White Spruce	5	Pole/Sapling	6	
Hemlock	2	Log/Pole	12	
Black Cherry	35	Sapling	4	

44 6122 - Black Spruce Poletimber Medium 7.3 75 51-80 N/A Black spruce bog that has filled in . Very wet most years. Trees are stunted. Most of the canopy is under 40 feet. Some small openings throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	75	Pole/Sapling	5	75	Black Spruce	Medium	Variable	Sapling
Tamarack	20	Pole/Sapling	5		Tamarack	Low	Variable	Sapling
White Pine	5	Sapling	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45 6129 - Mixed Coniferous Lowland Forest Poletimber Well 12.7 137 141-170 N/A Hendrie River flows thru Stand. Buffer for stream. Nice cedar and Spruce stand. few Henlock and Tamarack. old bridge site in stand steep going down to River.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Yellow Birch	2	Log/Pole	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	23	Log/Pole	10					
White Spruce	20	Pole/Log	9					
Northern White Cedar	40	Pole/Log	8	137				
Tamarack	3	Pole	8					
White Pine	5	Log/Pole	13					

46 6120 - Lowland Cedar Poletimber Medium 16.9 117 Unspecified N/A Open in areas with drainage within the stand, Mixed size class cedar and paper birch. Stand was cut long ago found old stumps. Stand was not visited 2020 entry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole	7		Balsam Fir	Medium	Variable	Sapling
Paper Birch	20	Pole	8					
Balsam Fir	6	Pole	7					
White Spruce	2	Pole	7					
Northern White Cedar	70	Pole/Log/Sap	9	117				

47 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 2.1 75 81-110 N/A Stand is on a very steep ridge above the bog. Part of the stand to the west was cut on Swarming Mix sale. Mixed species stand. Stand was not visited 2020 entry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	9		Red Maple	Low	Variable	Sapling
Yellow Birch	2	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Paper Birch	56	Pole/Log	9	75				
Balsam Fir	5	Pole	7					
White Spruce	10	Pole	9					
White Pine	12	Log/Pole	13					

48 4134 - Aspen, Spruce/Fir Sapling Medium 8.2 26 Unspecified N/A Cut in 1994. Mix of upland and lowland areas. Few large white pine left. Some open areas with mostly spruce and fir. Stand was not visited 2020 entry.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Quaking Aspen	40	Sapling	2	26
Balsam Fir	13	Sapling	2	
White Spruce	12	Sapling	3	
White Pine	6	Sapling	2	
Black Cherry	19	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments							
49	623 - Emergent Wetland	Nonstocked	11.7			No	Lots of dead standing trees in clumps throughout							
								Sub-Canopy Species	Density	Avg. Height	Size			
								Labrador Tea	Full	< 5 feet	Tall Shrub			
								Tamarack	Low	Variable	Sapling			
								Eastern Red Cedar	Low	Variable	Sapling			
Black Spruce	Low	Variable	Sapling											
50	6120 - Lowland Cedar	Sawtimber Well	27.9	102	111-140	N/A	Mixed lowland stand with water flowing through stand in areas. Some mortality occurring.							
								Canopy Species	% Cover	Size Class	DBH	Age		
								Red Maple	10	Log/Pole	14			
								Yellow Birch	2	Log/Pole	12			
								Paper Birch	10	Log/Pole	10			
								Balsam Fir	5	Pole	7			
								White Spruce	21	Pole	9			
								Northern White Cedar	50	Log/Pole	12	102		
								Hemlock	2	Log/Pole	12			
								Sub-Canopy Species	Density	Avg. Height	Size			
Balsam Fir	Low	Variable	Sapling											
White Spruce	Low	Variable	Sapling											
51	310 - Herbaceous Openland	Nonstocked	21.0			Unspecified	No							
52	4130 - Aspen	Sapling Well	4.9	7		Immature	N/A	Stand was cut in 2013. Good aspen regen						
									Canopy Species	% Cover	Size Class	DBH	Age	
									Bigtooth Aspen	85	Sapling	1	7	
									Balsam Fir	5	Pole	8		
									Red Maple	5	Log/Pole	10		
White Spruce	5	Pole	8											
53	42200 - Natural White Pine	Sawtimber Well	3.1	132		51-80	N/A	White Pine and Hemlock stand which is open in areas. Some large spruce, dead standing black spruce, possible spruce budworm kill.						
									Canopy Species	% Cover	Size Class	DBH	Age	
									Red Maple	5	Log/Pole	12		
									White Pine	65	XLog/Log	18	132	
									Hemlock	25	Log	14		
									Yellow Birch	5	Log	12		
									Sub-Canopy Species	Density	Avg. Height	Size		
Balsam Fir	Medium	Variable	Sapling											
White Pine	Low	Variable	Sapling											
Yellow Birch	Low	>20 feet	Pole											
Black Spruce	Medium	>20 feet	Pole											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 42380 - Non Pine Upland Conifer, Mixed Deciduous Sapling Well 22.3 36 51-80 N/A Cut in 1984. Very mixed stand with few open areas. Ridge and swale with some cedar regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	
Bigtooth Aspen	10	Sapling	3	36
Balsam Fir	45	Sapling	3	36
White Spruce	10	Sapling	3	
White Pine	4	Pole/Sapling	5	
Hemlock	3	Log/Pole	15	
Black Cherry	8	Sapling	3	
Tamarack	5	Pole/Sapling	6	
Paper Birch	5	Pole	8	

55 623 - Emergent Wetland Nonstocked 13.2 No

56 4112 - Maple, Beech, Cherry Association Sawtimber Well 62.1 85 141-170 N/A Stand is very difficult to access as will need 2 portable bridges to access from the east side. Overmature red maple stand with mortality.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Log/Pole	12	
Red Maple	60	Log/Pole	12	85
Yellow Birch	5	Log/Pole	11	
Beech	10	Pole/Log	10	
White Pine	3	Log/XLog	14	
Black Cherry	7	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling

57 623 - Emergent Wetland Nonstocked 20.1 No

58 6120 - Lowland Cedar Poletimber Well 15.4 95 N/A Very wet stand with stream running through it. More cedar than anything else.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Paper Birch	10	Pole	8	
Balsam Fir	5	Pole	7	
White Spruce	10	Pole	8	
Northern White Cedar	70	Pole/Log	9	95

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	6120 - Lowland Cedar	Poletimber Well	37.6	108	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Yellow Birch		6	Log/Pole	11		Balsam Fir	
Paper Birch		9	Log/Pole	12		White Spruce	
Balsam Fir		10	Pole	8		Density	
White Spruce		5	Pole	8		Avg. Height	
Northern White Cedar		50	Log/Pole	11	108	Size	
White Pine		5	Log/XLog	16			
Hemlock		15	Log/Pole	14			
60	622 - Lowland Shrub	Nonstocked	21.0			No	
61	4119 - Mixed Northern Hardwoods	Sawtimber Well	14.9	78	81-110	N/A	Stand was cut in 2016. Slick Bridge Hardwood. Stand was not visited 2020 entry.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		73	Log/Pole	12	78	Balsam Fir	
Paper Birch		10	Log/Pole	12		Density	
Hemlock		17	Log/Pole	12		Avg. Height	
						Size	
62	4115 - Y.Birch, Hemlock NH	Sawtimber Well	4.5	84	141-170	N/A	Stand is set up for harvest, clearcut with retention. Flush Bridge 45-125-19
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		65	Log/Pole	12	84	Red Maple	
Yellow Birch		10	Log/Pole	11		Balsam Fir	
White Pine		3	Log/XLog	18		Density	
Hemlock		20	Log/Pole	14		Avg. Height	
Black Cherry		2	Pole	8		Size	
63	4115 - Y.Birch, Hemlock NH	Sawtimber Well	7.8	78	111-140	N/A	Stand is set up for harvest, clearcut with retention. Flush Bridge 45-125-19
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		67	Log/Pole	12	78	Balsam Fir	
Yellow Birch		3	Log/Pole	11		Density	
Paper Birch		12	Log/Pole	12		Avg. Height	
Hemlock		18	Log/Pole	12		Size	
64	622 - Lowland Shrub	Nonstocked	3.4			No	
65	42110 - Planted Red Pine	Sawtimber Well	2.1	83	81-110	N/A	Thinned in 2019 with stand to the north. Partridge Pine 45-108
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		100	Log	12	83	Sugar Maple	
						Density	
						Avg. Height	
						Size	