



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45119

Entry Year 2022

Acreage: 1,872

County Mackinac

Management Area: Mackinac Mix

Revision Date: 2020-07-27

Stand Examiner: Kenny Fanelli

Legal Description:

T43N R6W Sections: 31, 32; T42N R6W Sections: 6; Hendricks Township

Identified Planning Goals:

This compartment is located approximately two miles east of Epoufette. The timber types within this compartment include; northern hardwoods, white pine, birch, aspen, cedar, lowland hardwoods, fir, inclusions of bog types, small ponds, other lowlands, grassy openings, and it also has three red pine plantations. The aspen, birch, and spruce-fir types are regenerating nicely and the hardwoods and hemlock have almost all been treated recently and will require future treatments to promote healthy growth. Opening maintenance is required in several grassy areas or they will succeed to spruce-fir stands.

Soil and topography:

Lowlands and swamps consist primarily of Markey and Carbondale mucks, with Spot-Finch and Markey-Spot-Finch Complexes. Upland are generally Amadon-Rock outcrop complex, Menominee loamy sand, Wallace sand, and Paquin sand. Level lowlands to rolling uplands.

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

This compartment is surrounded by state land on the north, west, and east sides. The Western half of the south edge of section six is bordered by private land. Section six has a private forty in the SWSW.

Unique Natural Features:

Little Brevoort River flows within the compartment.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

Follow Best Management Practices along the little Brevoort River.

Watershed and Fisheries Considerations:

This compartment contains the tributaries of the Cut River and stream reaches of the Little Brevoort River. The Cut River supports a fish community of brook trout, rainbow trout, longnose dace, slimy sculpin, northern redbelly dace, Iowa darter, and Johnny darter. The Little Brevoort River is classified as second-quality trout water. Previous surveys have captured brook trout, brown trout, central mudminnow, creek chub, northern pike, sculpins, and American brook lamprey. Implementation of BMP's will aid in preventing sediment input from road crossings and upland areas are critically important to protect spawning areas for trout and other stream-resident fishes. Buffering the river is also critical to ensure future inputs of woody material to the stream channel and provide shading to protect water temperature from warming to a degree that will inhibit trout survival.

Wildlife Habitat Considerations:

This compartment is part of the Mackinac Mix MA where featured wildlife species include black bear, pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. It contains a mix of cover types ranging from white pine and hardwoods to aspen, red pine plantations, and wetlands. Much of the compartment is part of deer wintering complex. Aspen stands of various age classes provide habitat for ruffed grouse and American woodcock. These will continue to be managed to maintain young early successional habitat. Harvest in wintering complex will take place during the winter months so tops are available as browse for wintering deer. Closed canopy conifer habitat will be retained for cover for wintering deer. Marshy and shrub/scrub wetlands provide habitat for beaver, herons, and other species and will be maintained. Hardwood stands have been managed for age class and structural diversity. No treatments in hardwood stands are planned for this entry cycle. A number of forest openings are scattered across the southern part, ranging from 2 to 20 acres. Some were recently treated during timber sales focusing on nearby stands and will continue to provide breakout areas for deer and habitat for a variety of other species ranging from sandhill cranes to snowshoe hare.

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. An active industrial sand operation is approximately one mile south of the compartment. There may be potential for sand & gravel and/or bedrock limestone/dolostone within the compartment on the uplands. Wetlands in the area could inhibit surface development. The state does not own all the mineral rights within the compartment and may or may not own the rights to the non-metallic minerals depending on deed language. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

This Stand is accessed from the Prout Road on the west, from Little Brevoort River Road from the south, and from Jackson Road from the east. There are numerous two tracks and ice roads that branch off of the main roads.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There is a snowmobile trail running east-west through section six connecting Prout Road and Little Brevoort River Road.

Fire Protection:

This is a low fire danger area.

Additional Compartment Information:

The following reports from the Inventory are attached:

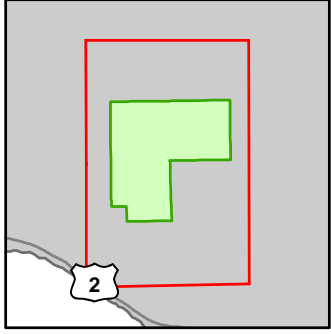
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

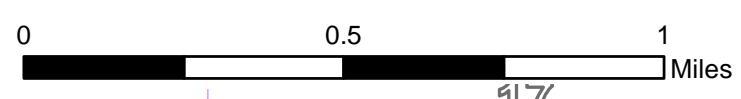
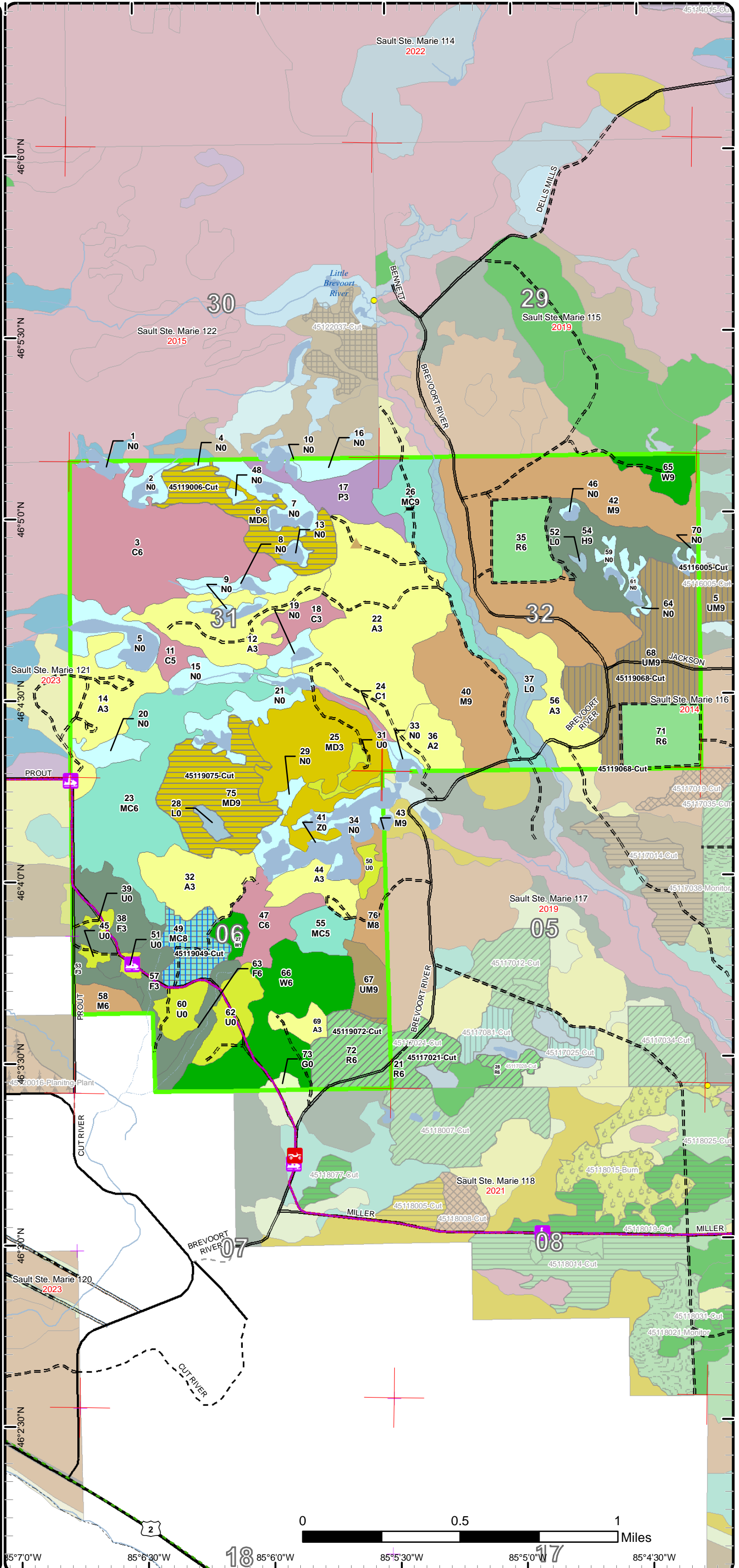
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 119
 T43N,R06W, Sec. 35, 36
 T42N,R06W, Sec. 01
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2022
 Acres: 1,872 GIS Calculated
 Examiner: Kenny Fanelli
 Map Revised: 8/12/2020
 Map Phase: Web Post



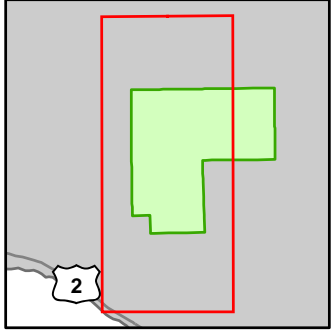
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
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- ORV Routes
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- Perennial River
- Shoreline
- Lakes and Rivers
- ▲ Berms
- Bridges
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
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- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



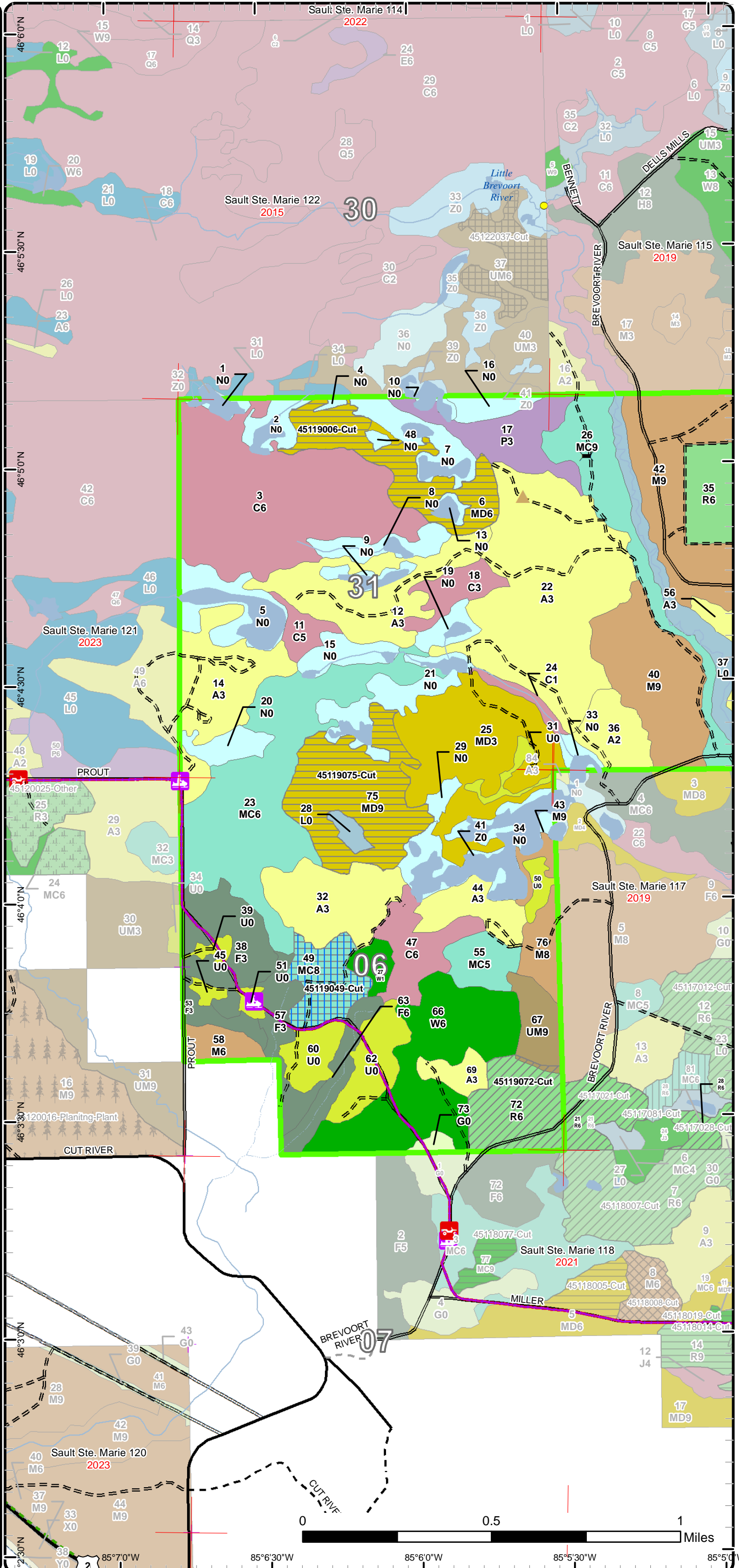
85°7'0"W 85°6'30"W 18 85°6'0"W 85°5'30"W 17 85°5'0"W 85°4'30"W

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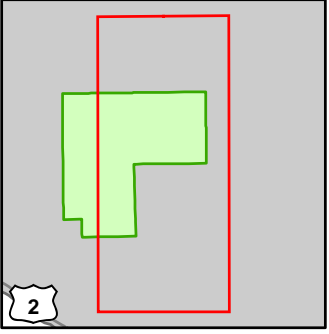


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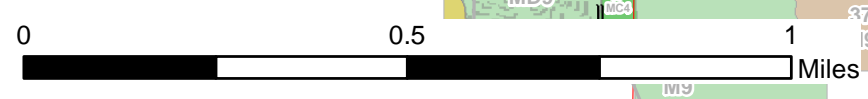
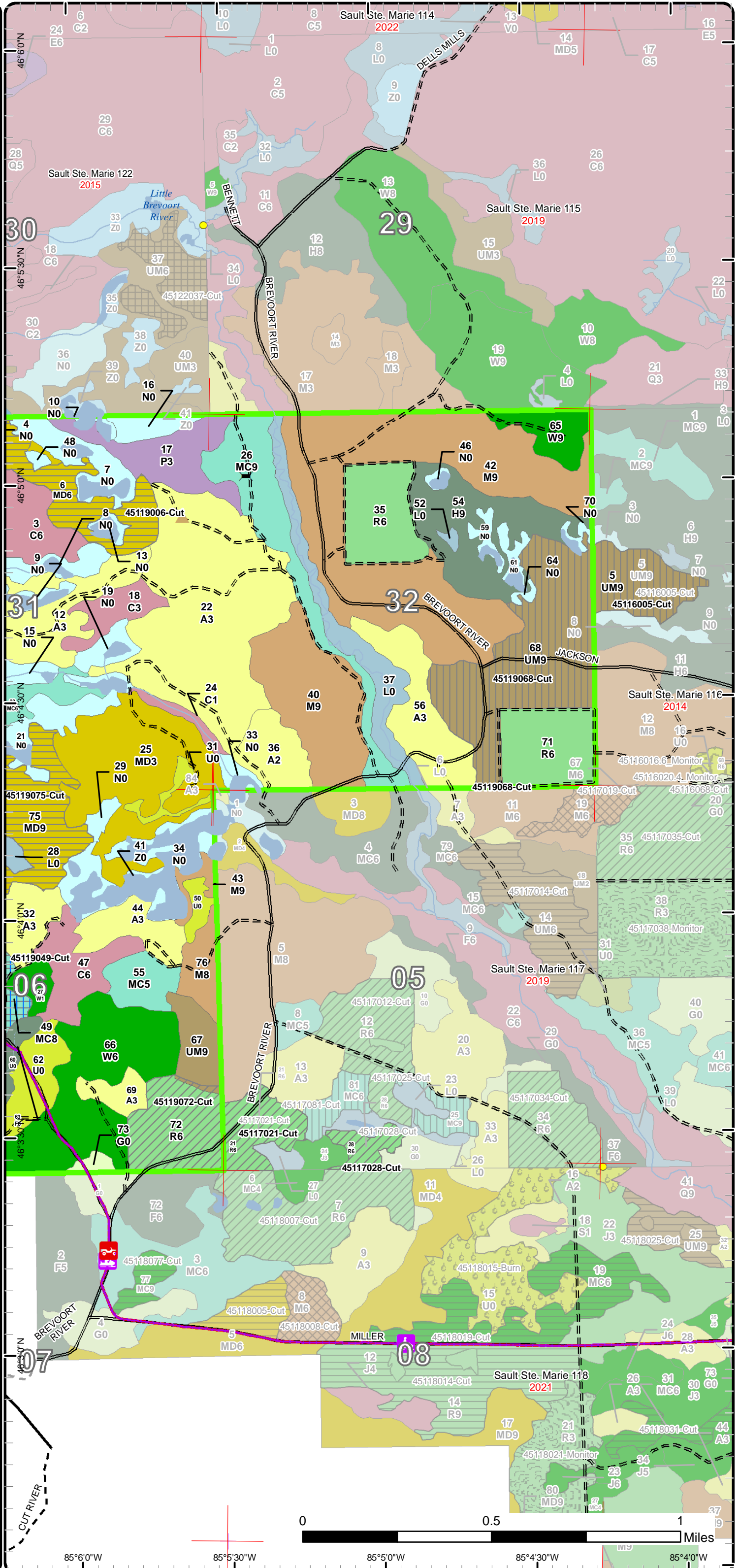


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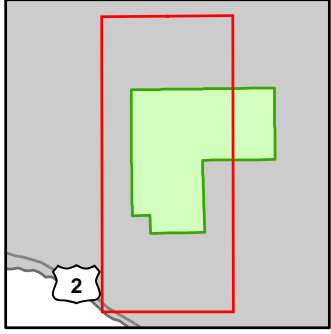
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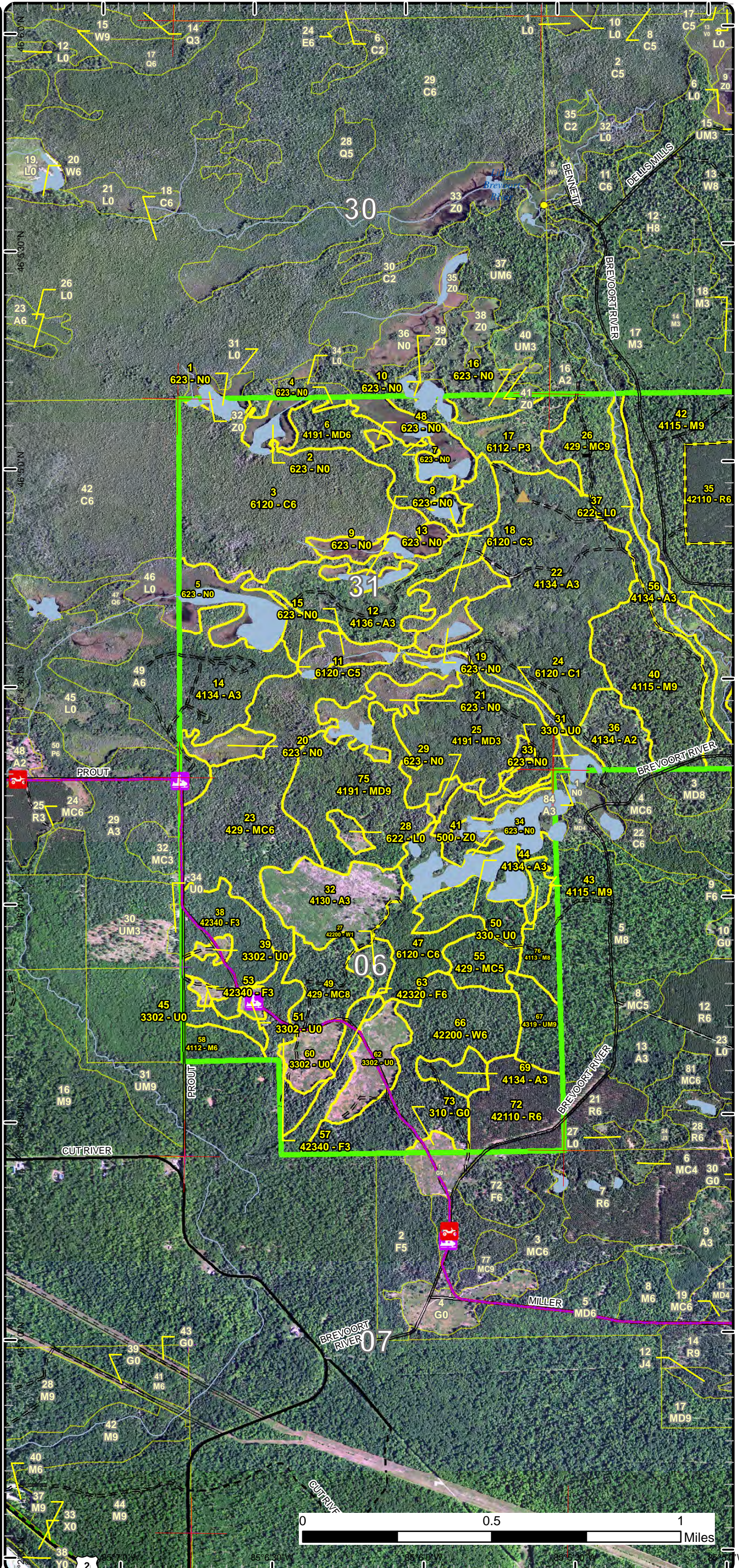
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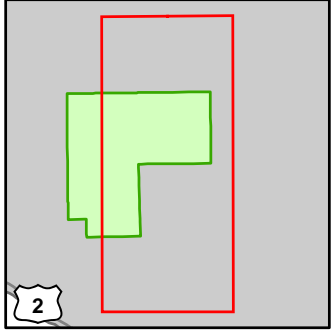


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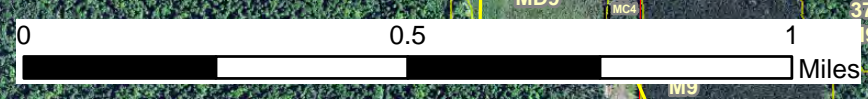
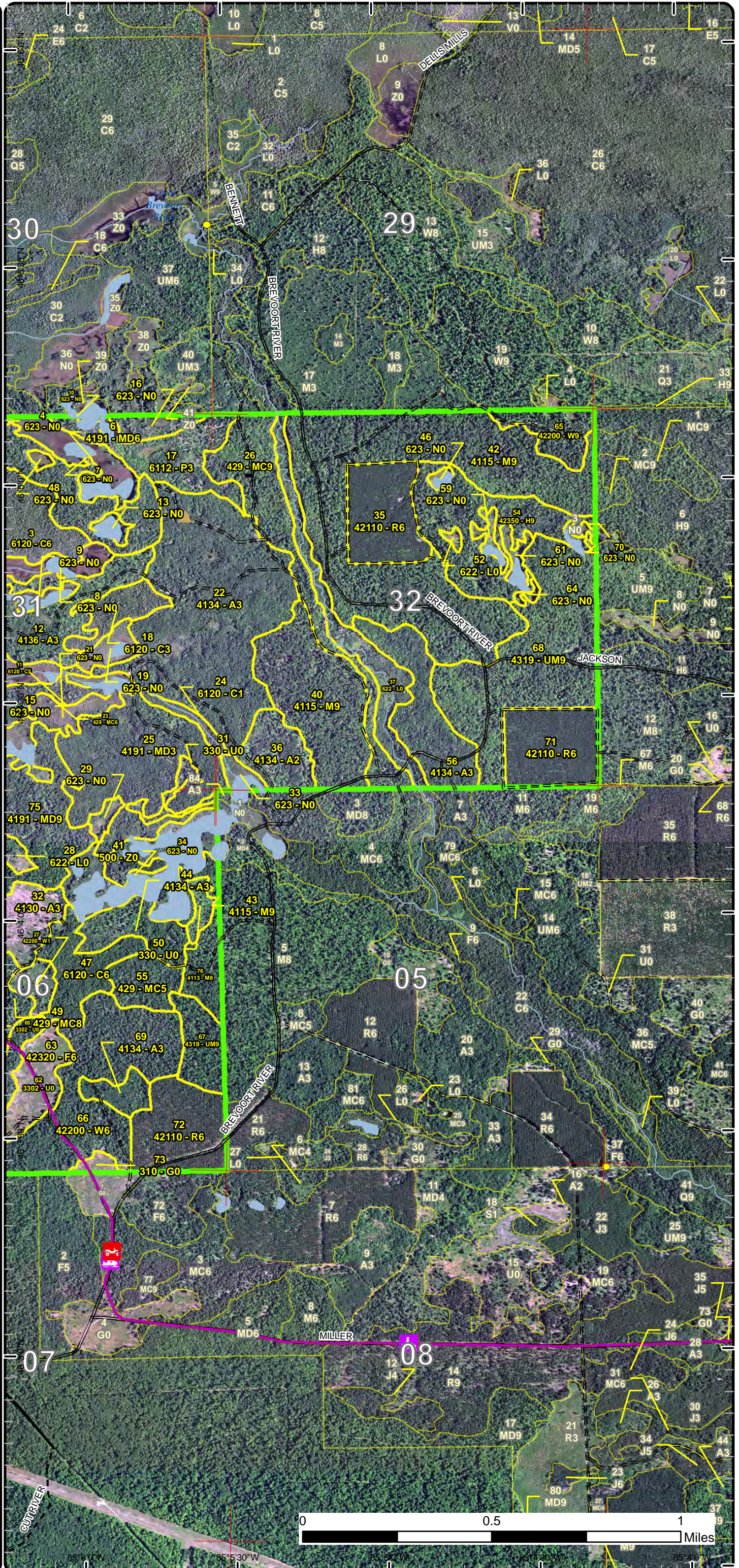


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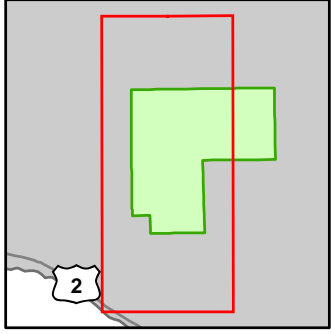
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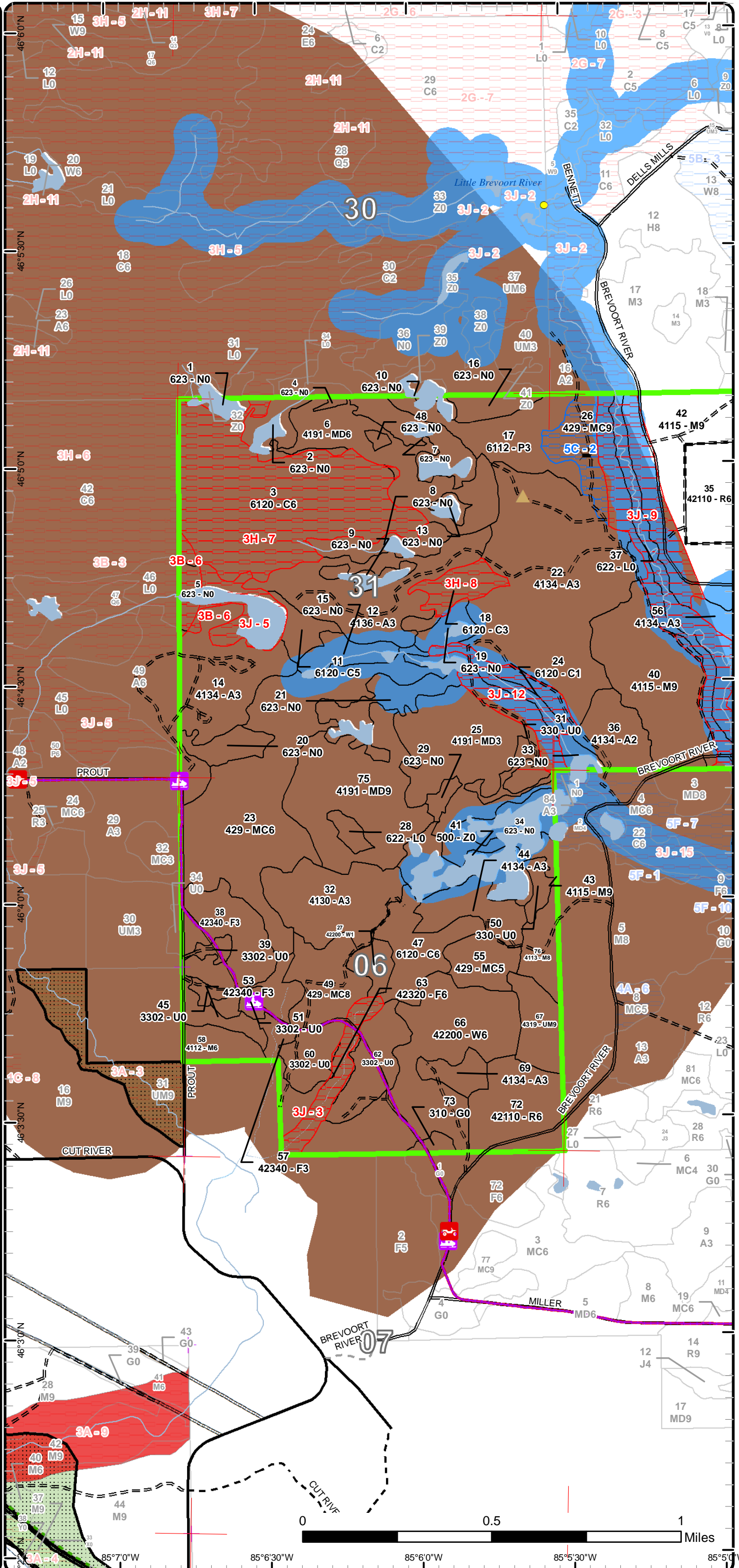
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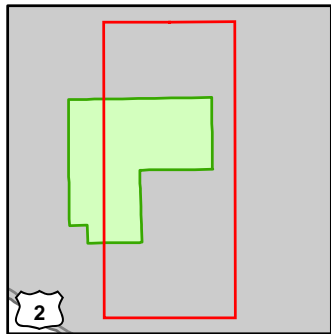


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Recreational/Scenic Value Area
- Possible Type 1 Old Growth

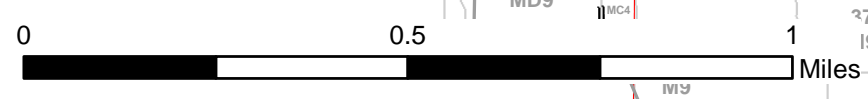
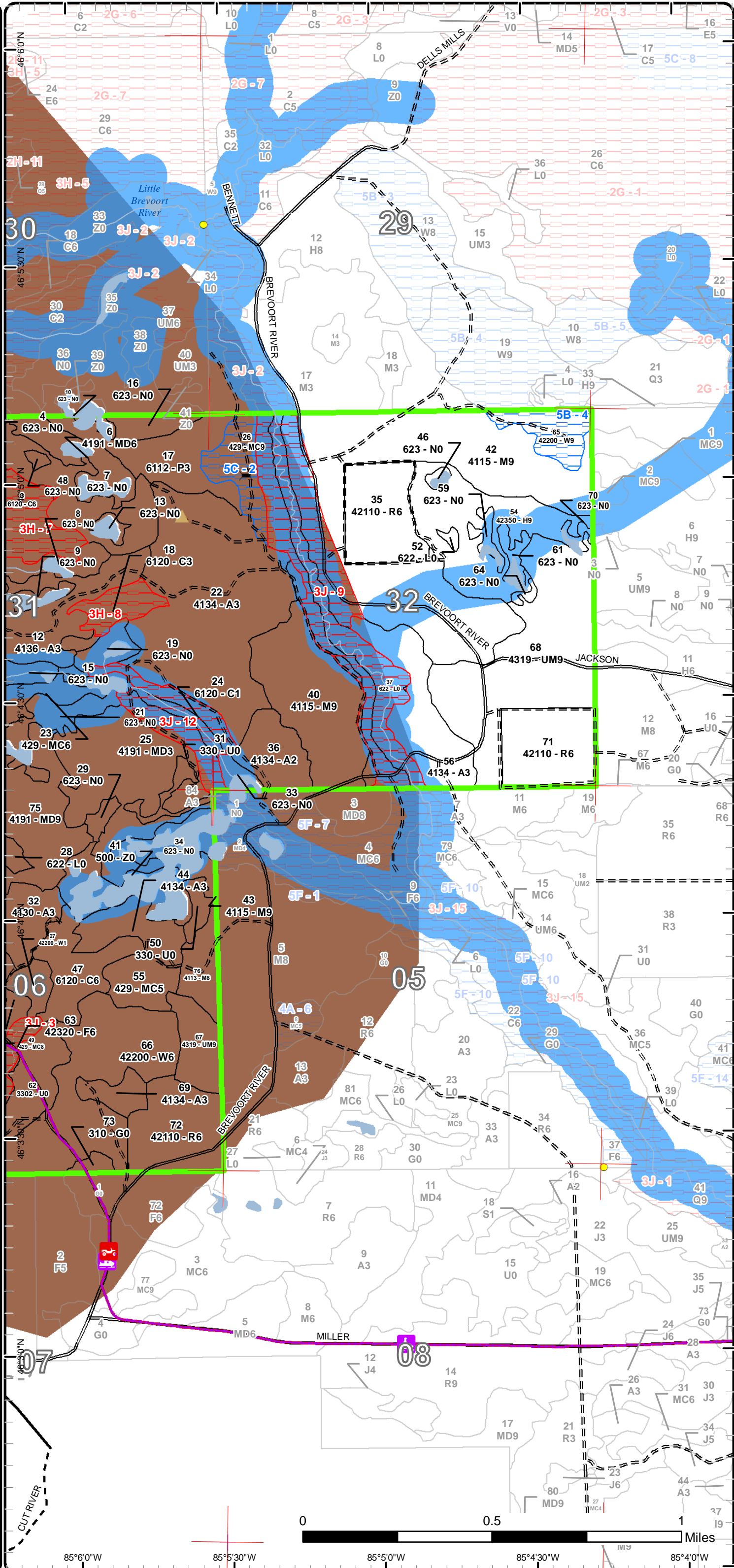


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- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
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- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	39	0	141	161	0	0	0	0	0	0	0	0	0	0	0	0	0	341
Cedar	0	0	0	0	5	0	0	0	8	14	24	119	0	0	0	0	0	0	170
Hemlock	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	48
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Low-Density Trees	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Lowland Aspen/Balsam Poplar	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Marsh	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
Mixed Upland Deciduous	0	0	0	0	75	0	42	62	0	0	0	0	0	0	0	0	0	0	179
Northern Hardwood	0	0	0	0	0	0	0	0	13	68	160	0	0	0	0	0	0	0	241
Red Pine	0	0	0	65	0	0	35	0	0	0	0	0	0	0	0	0	0	0	100
Upland Conifers	0	0	0	0	0	0	0	101	15	0	0	0	0	70	0	0	0	0	186
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	16	88	0	0	0	0	0	0	104
Upland Spruce/Fir	0	0	0	61	0	0	0	16	0	0	0	0	0	0	0	0	0	0	77
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	7	0	0	0	0	0	75	16	0	0	0	0	0	0	0	98
Total	297	39	0	304	241	0	77	179	36	157	216	255	0	70	0	0	0	0	1871



Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 119
Total Compartment Acres: 1,872

Commercial Harvest - 250
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
Mixed Upland Deciduous	103	0	0	0	0	0	0	0	0	103
Red Pine	0	0	0	0	36	0	0	0	0	36
Upland Conifers	0	0	24	0	0	0	0	0	0	24
Upland Mixed Forest	0	0	0	87	0	0	0	0	0	87
Total	103	0	24	87	36	0	0	0	0	250

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	250	0	0	0	0	0	0	0	0	250
Next Step	0	24	0	0	0	214	0	0	0	238
Total	250	24	0	0	0	214	0	0	0	488



Stand	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	45116005-Cut	26.7	4319 - Mixed Upland Forest	Sawtimber Well	106	Unspecified	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Cut to a residual basal area of about 30. Don't cut any hemlock or yellow birch. Mark red maple and white pine to act as seed source.</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> Moderate to fully stocked hemlock, birch, red maple, fir, spruce, and white pine.</p> <p><u>Other Comment:</u> Out of year of entry harvest. Cut along with stand 68 in compartment 119.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2013</p>											
6	45119006-Cut	40.8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	58	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear cut all hardwoods to 2" and conifers to 4". Place appropriate buffers around areas where open water is adjacent to the stand. Do not cut any cedar or hemlock. Winter harvest only for deer yard (Dec. 1 - Mar. 31) and because of ground conditions.</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 aspen, red maple, paper birch, balsam fir, and white pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
49	45119049-Cut	24.0	429 - Mixed Upland Conifers	Sawtimber Medium	127	51-80	Harvest	Seed Tree with Retention	42201 - Natural White Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Mark to keep one healthy, mature canopy tree every 70-80 feet, evenly spaced, to provide a seed source. Focus on white pine and red pine with some red maple as the seed source. Seed trees will act as retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked white pine with a mix of red maple, red pine, spruce, fir, birch, and aspen.</p> <p><u>Other Comment:</u> Follow up with scarification if possible.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



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
68	45119068-Cut	87.0	4319 - Mixed Upland Forest	Sawtimber Well	106	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Mark to keep with a residual basal area of about 30. Don't cut any hemlock or yellow birch. Mark large healthy red maple and white pine for seed source.</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> Moderately to fully stocked hemlock, birch, red maple, fir, spruce, and white pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut along with stand 5 in compartment 116.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
72	45119072-Cut	35.8	42110 - Planted Red Pine	Poletimber Well	57	111- 140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Second entry. Thin crowns and basal area to approximately 120. Actual sale acreage and area will reflect what is found during sale prep. and may vary from prescribed acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2020</p>											
75	45119075-Cut	62.4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	60	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear cut all hardwoods to 2" and all conifers to 4". Create retention pocket(s) around wetter parts of the stand and along stand 32 to meet the 3-10% requirement. Do not cut any cedar or hemlock. Winter harvest only (Dec. 1 - Mar. 31) for deer yard and because of wet ground conditions.</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> Any mix of fully stocked aspen, birch, red maple, and balsam fir.</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>											

Total Treatment 276.7
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Kenny Fanelli : Examiner

Compartment: 119

Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
341	331	0	10
170	36	0	134
48	48	0	0
3	3	0	0
53	53	0	0
30	30	0	0
36	5	0	31
200	174	0	26
179	166	0	13
241	217	0	24
99	99	0	0
186	143	18	26
104	104	0	0
77	62	0	15
5	5	0	0
98	82	16	0
1,872	1,560	33	278
	83%	2%	15%

Dominant Site Conditions

	Dominant Site Conditions				
	5B	5C	3B	3H	3J
Aspen			0		10
Cedar			2	127	5
Hemlock					
Herbaceous Openland					
Low-Density Trees					0
Lowland Aspen/Balsam Poplar					
Lowland Shrub					31
Marsh			6		20
Mixed Upland Deciduous				0	13
Northern Hardwood					24
Red Pine					
Upland Conifers		18			26
Upland Mixed Forest					
Upland Spruce/Fir					15
Water					
White Pine	16				
Total Forested Acres	16	18	8	128	143
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
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Monitor for SBW							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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4	Available	5B: Maintain for regeneration purposes	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3B: Threatened, endangered, and special concern species	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	116	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	80	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Kenny Fanelli : Examiner

Compartment: 119

Year of Entry: 2022

12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	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 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.
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																																																														
1	623 - Emergent Wetland	Nonstocked	3.4		Immature	No																																																															
2	623 - Emergent Wetland	Nonstocked	9.9		Immature	No																																																															
3	6120 - Lowland Cedar	Poletimber Well	119.4	105		N/A	Original Field Survey notes: "Decent cedar stand. Has a fair amount of regen within it. It is only as high as the snow however." Date: 06/10/2010																																																														
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5	623 - Emergent Wetland	Nonstocked	25.9		Immature	No																																																															
6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	41.8	58	81-110	N/A	Stand is ready for harvest. Mix of everything but primarily Aspen birch and red maple.																																																														
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7	623 - Emergent Wetland	Nonstocked	19.5		Immature	No																																																															
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9	623 - Emergent Wetland	Nonstocked	5.9		Immature	No																																																															
10	623 - Emergent Wetland	Nonstocked	2.2		Immature	No																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	6120 - Lowland Cedar	Poletimber Medium	8.2	72	81-110	N/A	previously L0. Lowland cedar, very wet.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		70	Pole/Sapling	6	72	Red Maple	
Red Maple		20	Pole/Sapling	5		Low	
Black Spruce		9	Pole/Sapling	5		5 - 10 feet	
Paper Birch		1	Pole	6		Sapling	
						Variable	
						Sapling	
12	4136 - Aspen, Mixed Conifer	Sapling Well	49.0	23	1-50	N/A	Original Notes: "Nice young aspen stand. Regen doing good about 15' tall. There is large overstory white pine scattered throughout the stand." Date: 06/09/2010
Canopy Species		% Cover	Size Class	DBH	Age	Cut in 1997 in the Litter Brevort River Birch Sale	
Paper Birch		5	Sapling	1			
Quaking Aspen		50	Sapling	1	23		
Bigtooth Aspen		20	Sapling	1			
Balsam Fir		5	Sapling	1			
White Spruce		5	Sapling	1			
White Pine		10	XLog/Log	18	93		
Black Cherry		5	Sapling	1			
13	623 - Emergent Wetland	Nonstocked	3.3		Immature	No	
14	4134 - Aspen, Spruce/Fir	Sapling Well	45.7	28	1-50	N/A	Decent aspen/spruce/fir stand. Ten years ago this stand was primarily spruce but the aspen has really taken off.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	3			
Paper Birch		5	Sapling	3			
Quaking Aspen		40	Sapling	3	28		
Bigtooth Aspen		10	Sapling	3			
Balsam Fir		10	Sapling	3			
White Spruce		20	Sapling	3			
Black Cherry		5	Sapling	3			
15	623 - Emergent Wetland	Nonstocked	11.2		Immature	No	
16	623 - Emergent Wetland	Nonstocked	8.0		Immature	No	
17	6112 - Lowland Aspen	Sapling Well	29.7	23		N/A	Original Stand Comment: "Wet aspen stand. Regen doing decent, heavy balsam and spruce in places." Date: 06/09/2010
Canopy Species		% Cover	Size Class	DBH	Age	Cut in 1997. Little Brevort River Birch Sale	
Paper Birch		5	Sapling	2			
Quaking Aspen		60	Sapling	2	23		
Bigtooth Aspen		5	Sapling	2			
Balsam Fir		10	Sapling	2			
White Spruce		20	Sapling	2			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																										
18	6120 - Lowland Cedar	Sapling Well	13.7	80		N/A	Original Comment: "Wet cedar and tamarack, not the most productive site." Date:06/09/2010																																																																																										
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22	4134 - Aspen, Spruce/Fir	Sapling Well	125.4	36		N/A	Aspen is doing great in this stand. It is much taller than the spruce and balsam. The south end is heavy with birch.																																																																																										
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23	429 - Mixed Upland Conifers	Poletimber Well	101.3	60	81-110	N/A	This is an upland mackinac mix stand. This stand was larger in the previous inventory. I split out the stand directly to the east which has more hardwoods. This stand is mostly white pine, spruce, and fir with aspen, red maple, and birch scattered throughout. There's also small pockets of lowland located in the eastern portion of the stand with low quality black spruce red maple, and cedar. Scattered openings.																																																																																										
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Northern White Cedar	1	Pole	5																																																																																														
24	6120 - Lowland Cedar	Sapling Poor	4.9	36	1-50	N/A	Was previously lowland shrub but there's a decent amount of low quality cedar.																																																																																										
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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 4191 - Mixed Upland Deciduous with Conifer Sapling Well 75.2 36 1-50 N/A This stand was cut at the same time as pre inv#22. Stand is mostly birch with aspen spruce fir and red maple

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	30	Sapling	3		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	35	Sapling	3	36	White Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	10	Sapling	2					
White Spruce	10	Sapling	3					
Black Cherry	5	Sapling	2					
Red Maple	10	Sapling/Pole	4					

26 429 - Mixed Upland Conifers Sawtimber Well 46.2 121 141-170 N/A Nice hemlock stand. Signs of heavy recreational use. (hunting) This stand also borders the Little Brevort River.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log	12		Red Maple	Medium	Variable	Sapling
Red Maple	20	Log	12		Beech	Low	Variable	Sapling
Yellow Birch	10	Log	14		Balsam Fir	High	Variable	Sapling
White Pine	20	Log/XLog	16		White Pine	Low	Variable	Sapling
Hemlock	40	Log/XLog	16	121	Hemlock	Low	Variable	Sapling

27 42200 - Natural White Pine Sapling Poor 7.3 20 81-110 N/A Remnant of a fire in 1997. There are some mature white pine still but it is mostly white pine regen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Sapling	3	20	Balsam Fir	Low	Variable	Sapling
Red Maple	5	Sapling	3		Black Spruce	Low	5 - 10 feet	Sapling
White Pine	15	Log	13					
Balsam Fir	5	Sapling	3					

28 622 - Lowland Shrub Nonstocked 4.2 No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	Variable	Tall Shrub

29 623 - Emergent Wetland Nonstocked 3.3 Immature No

31 330 - Low-Density Trees Nonstocked 5.1 No

32 4130 - Aspen Sapling Well 39.1 6 Immature N/A Stand was cut in 2014. Aspen is doing great on the west half of the stand but lagging behind on the east half.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	4	Log/XLog	16	
Paper Birch	1	Pole	7	
Quaking Aspen	80	Sapling	1	6
White Spruce	5	Sapling	1	
Red Maple	10	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
33	623 - Emergent Wetland	Nonstocked	4.4		Immature	No																																																							
34	623 - Emergent Wetland	Nonstocked	35.1		Immature	No																																																							
35	42110 - Planted Red Pine	Poletimber Well	31.8	23	141-170	N/A	Red pine doing well. 30-40% crowns, 5-6" dbh, 2 sticks in most. Consider 1st think next YOE. No sign of RHPS.																																																						
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36	4134 - Aspen, Spruce/Fir	Sapling Medium	19.0	23	1-50	N/A	This stand was cut with other in the area in 1997 in the Little Brevort River Birch Sale. Stand has a lot of canopy gaps. Aspen is 30-35' tall.																																																						
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37	622 - Lowland Shrub	Nonstocked	30.9		Immature	No	Little Brevort River Corridor																																																						
38	42340 - Upland Spruce/Fir	Sapling Well	34.3	27	51-80	N/A	Old inventory states this was once a grassy opening, approximately 30 years ago. It is now fully stocked spruce and fir. Most trees are still sapling size.																																																						
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39	3302 - Low Density Conifer Trees	Nonstocked	3.1		Immature	Managed Opening																																																							
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40	4115 - Y.Birch, Hemlock NH	Sawtimber Well	56.7	86	81-110	N/A	A typical red maple stand for this area. A very low percentage of log trees. No living beech observed but a lot of snags. A lot of beech brush. Average BA around 80. Decent amount of deer browsing.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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41 500 - Water Nonstocked 4.6 Immature No

42 4115 - Y.Birch, Hemlock NH Sawtimber Well 155.2 91 51-80 N/A

This stand was part of the Blue dot timber sale. was thinned pretty hard in 05. The understory is dominated by beech.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	55	Log	12	91	Red Maple	Medium	Variable	Sapling
Yellow Birch	10	Log	12		Balsam Fir	Low	Variable	Sapling
Beech	5	Log	12		White Pine	Low	Variable	Sapling
White Pine	10	XLog	18		Hemlock	Low	Variable	Sapling
Hemlock	20	Log	14		Beech	High	10 - 20 feet	Sapling

43 4115 - Y.Birch, Hemlock NH Sawtimber Well 4.9 92 51-80 N/A

Original Comment: Stand was thinned as part of Missile tube timbersale. Regen is doing good.6/8/2010

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Log	12	92	Red Maple	Medium	Variable	Sapling
Yellow Birch	15	Log	12		Beech	Low	Variable	Sapling
Beech	5	Log	12		Balsam Fir	High	Variable	Sapling
White Pine	15	XLog	18		White Pine	Low	Variable	Sapling
Hemlock	15	Log	14		Hemlock	Low	Variable	Sapling

44 4134 - Aspen, Spruce/Fir Sapling Well 18.7 25 81-110 N/A

Aspen doing well. 30ft tall
Cut in 1995 in the Cut River Spruce Mix Sale # 048-93-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	80	Sapling	3	25	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Sapling	3					
White Spruce	10	Sapling	3					

45 3302 - Low Density Conifer Trees Nonstocked 2.6 Unspecified Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	>20 feet	Sapling
White Spruce	Medium	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling

46 623 - Emergent Wetland Nonstocked 1.7 Immature No

47 6120 - Lowland Cedar Poletimber Well 24.2 97 81-110 N/A

Mostly cedar with birch and fir. Stand appears to be upland but there is a small stream running north to south with a beaver dam on the north end. It might be a lowland if not for the dam?

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
White Pine	5	Log/Pole	13		Black Spruce	Low	5 - 10 feet	Sapling
Paper Birch	15	Pole/Log	8					
Red Maple	5	Pole/Log	9					
Northern White Cedar	50	Pole	8	97				
Black Spruce	10	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48 623 - Emergent Wetland Nonstocked 1.4 Immature No

49 429 - Mixed Upland Conifers Sawtimber Medium 24.0 127 51-80 N/A

This stand had a wildfire in 1997. Its has a lot of large white pine but transitions to more spruce/fir on the west side. Decent amount of white pine regn in the gaps created by the fire.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	9	Log	12		Balsam Fir	Low	Variable	Sapling
White Pine	50	Log/Pole/XLog	12	127	White Spruce	Low	Variable	Sapling
White Spruce	25	Pole	6		White Pine	Low	Variable	Sapling
Red Pine	1	Log	15					
Balsam Fir	10	Pole	5					
Quaking Aspen	5	Pole/Sapling	5					

50 330 - Low-Density Trees Nonstocked 5.1 No

51 3302 - Low Density Conifer Trees Nonstocked 3.0 Immature Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	10 - 20 feet	Sapling
White Pine	Medium	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling

52 622 - Lowland Shrub Nonstocked 1.2 No

53 42340 - Upland Spruce/Fir Sapling Well 8.2 27 51-80 N/A

Old inventory says this was a grassy opening 30 years ago. Mostly fir and spruce with some aspen pockets.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	3		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	20	Sapling	3					
Balsam Fir	40	Sapling	3	27				
White Spruce	30	Sapling	3					

54 42350 - Upland Hemlock Sawtimber Well 47.8 109 141-170 N/A

Great hemlock stand! Several bogs intermixed throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	29	Log	12		Red Maple	Low	Variable	Sapling
Yellow Birch	5	Log	12		Beech	Low	Variable	Sapling
Beech	1	Log	12		Balsam Fir	Medium	Variable	Sapling
White Pine	5	XLog	18		Hemlock	Low	Variable	Sapling
Hemlock	60	Log	16	109				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
55	429 - Mixed Upland Conifers	Poletimber Medium	14.9	72	51-80	N/A	Split out of the M9 stand to the east. Mostly white pine and fir with some red maple and aspen.																																																						
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56	4134 - Aspen, Spruce/Fir	Sapling Well	35.4	35	Unspecified	N/A	Original Comment: "Stand is doing good, some larger spruce and balsam scattered through the stand." Date: 06/08/2010 Cut in the Little Brevoort River Sale.																																																						
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57	42340 - Upland Spruce/Fir	Sapling Well	18.9	27	51-80	N/A	previous inventory says this used to be a grassy opening. Now it is fully stocked spruce/fir with some small aspen pockets. There is a small stream that is a branch of the cut river running through the center of the stand.																																																						
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58	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.0	83	81-110	N/A	Mostly maple with some scattered white pine and cherry. BA is 80-90 with some areas lower. Some beech snags around but most was salvaged in last harvest. Selection Harvest in 2014 in the Panama Firewood Sale 109-12-01																																																						
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59	623 - Emergent Wetland	Nonstocked	3.7		Immature	No																																																							
60	3302 - Low Density Conifer Trees	Nonstocked	13.4		Unspecified	Managed Opening																																																							
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63	42320 - Upland Spruce	Poletimber Well	15.5	61	81-110	N/A	This an extremely dense spruce fir stand. It is the corridor for a branch of the Cut River.																																														
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64	623 - Emergent Wetland	Nonstocked	1.3		Immature	No																																															
65	42200 - Natural White Pine	Sawtimber Well	15.9	99	81-110	N/A	Lots of young white pine and some hemlock. Nice looking stand after being cut.																																														
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66	42200 - Natural White Pine	Poletimber Well	74.7	88	51-80	N/A	Nice natural whitepine stand. Some areas have scattered aspen. BA around 80																																														
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67	4319 - Mixed Upland Forest	Sawtimber Well	16.4	92	51-80	N/A	Thinned two YOEs ago. Lots of red maple, fir, and white pine regen. Overstory is large white pines and red maple, 50-70 ba																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	4319 - Mixed Upland Forest	Sawtimber Well	87.7	106	81-110	N/A	Good red maple stand with lots of hemlock and scattered white pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		45	Log	12	106	Red Maple	
Yellow Birch		5	Log	12		Beech	
White Pine		20	XLog/Log	18		Balsam Fir	
Hemlock		30	Log/XLog	16		White Pine	
						White Spruce	
						Density	
						Avg. Height	
						Size	
69	4134 - Aspen, Spruce/Fir	Sapling Well	8.8	25	51-80	N/A	Everything except the white pine was clear cut in 1995 in the Cut River Spruce Mix Sale. 048-93-01 There are large white pine concentrated on the west end of the stand with a few scattered thru the rest. Aspen, fir, and spruce is doing well, 25-30ft
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		60	Sapling	3	25	White Spruce	
White Pine		10	XLog/Log/Pole	18		Balsam Fir	
White Spruce		15	Sapling	3			
Balsam Fir		13	Sapling	3			
Red Maple		2	Sapling	3			
70	623 - Emergent Wetland	Nonstocked	2.1		Immature	No	
71	42110 - Planted Red Pine	Poletimber Well	32.9	23	141-170	N/A	Red pine is branchy but growing well. 30%-40% crowns. Dbhs mostly around 6 and heights around 35-40ft. Consider first thin next YOE.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Pole	6	23		
72	42110 - Planted Red Pine	Poletimber Well	34.7	57	111-140	N/A	Stand is ready to be thinned.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Pole	7	57		
73	310 - Herbaceous Openland	Nonstocked	3.1		Immature	Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Medium	10 - 20 feet	Sapling			
White Spruce		Medium	5 - 10 feet	Sapling			
Black Cherry		Low	10 - 20 feet	Sapling			
Jack Pine		Trace	5 - 10 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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75 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 62.4 60 81-110 N/A

This is an upland mackinac mix stand. This stand was part of the larger stand to the west but still has a lot of variation in it. It is mostly upland with log sized birch as the dominant species with red maple and white pine but has some lowland with lower quality pole sized birch, aspen, fir, and spruce

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	25	Log/Pole	10	60
Quaking Aspen	15	Pole	8	
Balsam Fir	15	Pole	6	
White Spruce	10	Pole	6	
White Pine	8	Log/Pole	11	
Red Maple	23	Log/Pole	10	
Hemlock	1	Log	13	

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

76 4113 - R.Maple, Conifer Sawtimber Medium 13.3 72 51-80 N/A

This stand was thinned two YOEs ago. BA is variable 50-80, beech are gone.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	65	Log	12	72
White Pine	20	XLog/Log	18	
Hemlock	10	Log/XLog	16	
Balsam Fir	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Beech	Medium	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling
Hemlock	Trace	Variable	Sapling