



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45192

Entry Year 2025

Acreage: 1,776

County Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Jennifer Burnham

Legal Description:

T42N-R12W, Sections 18 - 20

Identified Planning Goals:

This compartment is located approximately 3 miles southwest of Milakokia Lake, adjacent to Oglebay Norton Limestone Co. (old Inland Quarry), on the Schoolcraft County line. This aspen compartments' main priority is to maintain and enhance the aspen's age class diversity. Aspen cuttings have taken place in 1978, 1980-82, 1984-86, 1993, 1996-99, 2010, and 2011. Winter cover for deer is also important as Sections 19 and 20 are within the Batty Doe Lake deeryard. Evidence of deer browsing is seen in many stands. Some cedar strip cuts have been tried in several places from the 1960's through the 1980's. While there is some cedar regeneration mixed with spruce, white pine, white birch and balm, the beavers have managed to flood out a majority of the areas. Beaver can (and have) readily expand easily in any area within the compartment

Soil and topography:

This compartment contains a variety of land forms. Depressions on ground moraines, lake plains and outwash plains are characterized by Markey and Carbondale mucks, and Angelica muck. The nearly level and undulating areas on drumlins and ground moraines consist of Graveraet fine sandy loam, Solona loam, and Cozy cobbly fine sandy loam. There are a few Graveraet fine sandy loam areas on gently rolling and rolling areas on drumlins too. The "large" hardwood stand (82) within the compartment seems to be an anomaly consisting of Guardlake fine sandy loam and Paquin sand on nearly level and undulating areas on outwash plains and lake plains; Battydoe fine sandy loam on gently rolling and rolling areas on ground moraines and drumlins; and Wallace sand on very steep areas on dunes, lake plains, and outwash plains.

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

State lands adjoin to the east and south, with 2 large hunt clubs comprising 560 acres in Section 29 (to the south). Oglebay Norton Limestone Co. (old Inland Quarry) lands abut to the north and west. This is an active limestone quarry and port.

Unique Natural Features:

Milakokia River and several tributaries flow through the compartment. Lakes include Heinz Lake and Cranberry Lake. There is potential for threatened and endangered plant and animal species within the compartment.

Archeological, Historical, and Cultural Features:

Hunt Spur is an old railroad siding located on adjacent Oglebay Norton Limestone Co. lands. There is also evidence of an old homestead and associated farming that once took place. Areas show evidence of an apple orchard and old cultivated (hay?) fields. Much of this has grown over, many areas with tag alder, and can only be seen on old air photos.

Special Management Designations or Considerations:

Typically much of the area is cut in the winter due to the low ground and the deeryard. Some areas on higher ground could be cut earlier in the year.

Watershed and Fisheries Considerations:

This compartment contains Milakokia River and Heinz Lake. The downstream reach of the Milakokia River is a designated Type 1 trout stream less than 50 foot wide and has a predicted mean July water temperature of 66.6 °F (cool stream). A 300-foot buffer is recommended for the Milakokia River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffers are recommended in accordance with Best Management Practices. A minimum 100-foot plus 5 feet per 1% increase in slope, buffer is recommended for Heinz Lake in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is located in the St. Ignace Lake Plain Management Area. It is characterized by a mix cedar and aspen stands which provides habitat for species including, but not limited to, white-tailed deer, snowshoe hare, black bear, American woodcock, and ruffed grouse. This compartment is in deer wintering complex and has high deer activity during the winter months. Cedar and lowland conifer stands provide important cover during this time. Heinz lake is located on the east side, and there are a number of lowland areas dominated by shrubs.

Wildlife habitat objectives include maintaining the cedar and lowland conifer stands for cover for wintering deer and other wildlife, encouraging age class diversity in aspen habitat, maintaining diversity in northern hardwood stands and across the compartment, and controlling invasive species where necessary and practical. Harvests will generally take place during the winter months so tops are available as browse for wintering deer. This management will benefit the featured species above as well as numerous others.

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. The nearest active sand/gravel operation is several miles away. There may be limited potential for sand and gravel within the compartment on the uplands. Sand & gravel operations in this region tend to be relatively small in scale. The Port Inland limestone quarry is roughly one mile north. There is potential for high-purity limestone beneath the compartment, and rail transportation is adjacent to the compartment, but the Milakokia River and numerous wetlands limit potential development of a new mine in this area.

Vehicle Access:

The main access to the compartment is via Batty Doe Lake Road, a gravel DNR road. This road starts in Schoolcraft County and proceeds through Carmeuse Lime and Stone lands, then through state lands east to the end of Leveille Road, south of Gould City. There are better access roads through the quarry lands, behind gates, which can be used with permission (not for logging though). A few two-tracks exist, but generally are too wet for much of the year. Many access roads within previous cut areas are growing over or are accessible only in winter. The west side of Section 19 is accessed through Carmeuse Lime and Stone lands. The large bridge over Milakokia River was beefed up and redecked in 1998. The smaller bridge over a Milakokia River tributary was rebuilt in 1984. Both are in good condition, but beavers do like to build their dams against them.

Survey Needs:

Survey needs in section 19 along the west side for harvesting.

Recreational Facilities and Opportunities:

There are no developed recreation facilities within this compartment.

Fire Protection:

This is not a high fire danger area. Much of the area is wet during most of the year, and fuel types are not the most fire prone. However, the potential for ground fires to become stubborn does exist if one gets started.

Additional Compartment Information:

The following reports from the Inventory are attached:

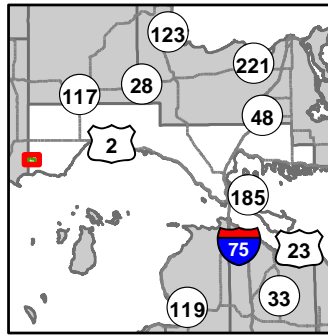
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

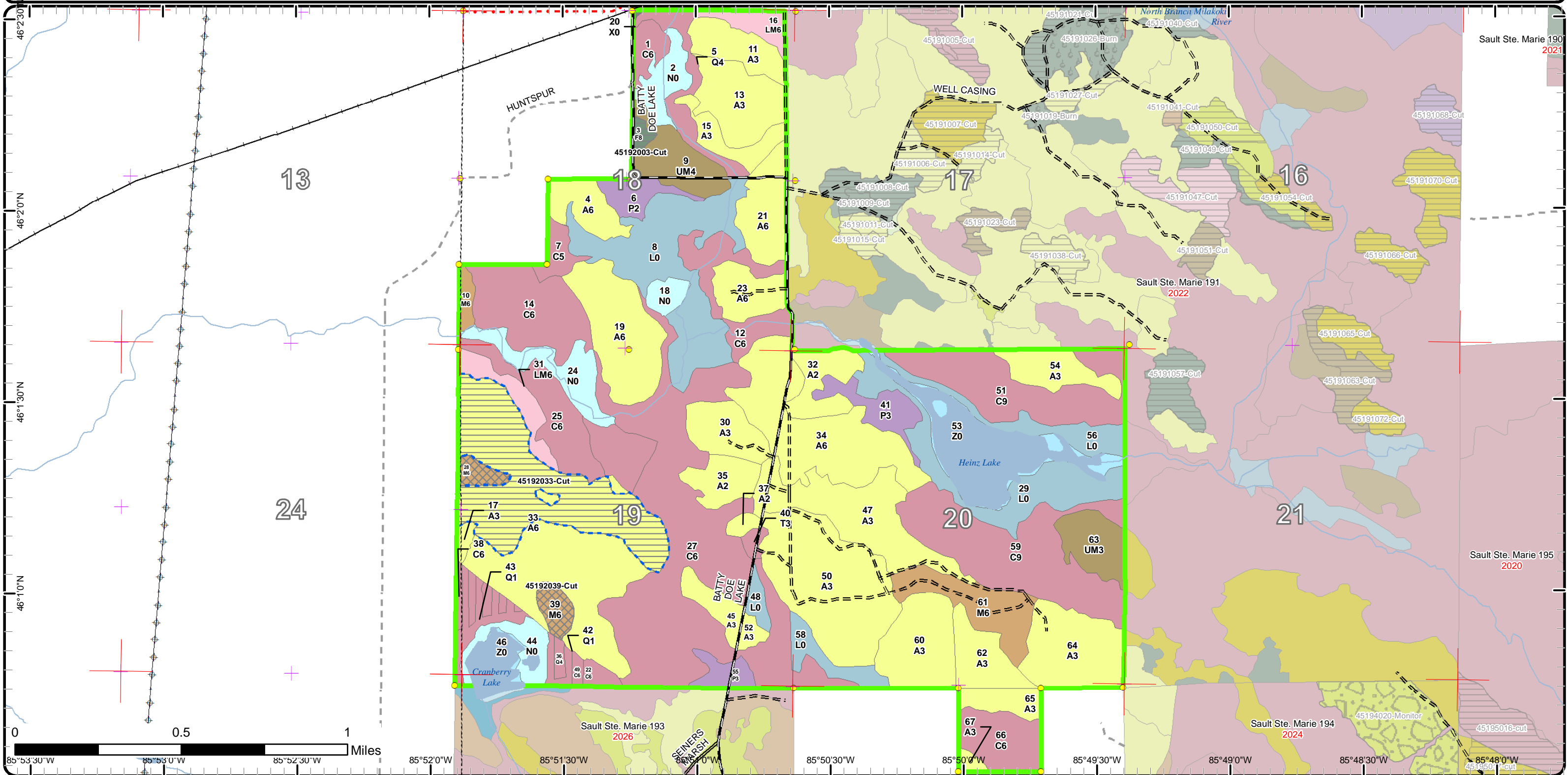
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 192
 T42N, R12W, Sec: 18-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2025
 Acres: 1776.2 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 8/7/2023
 Map Phase: Web Post

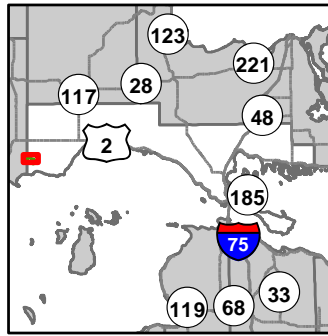


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 623 - Emergent Wetland

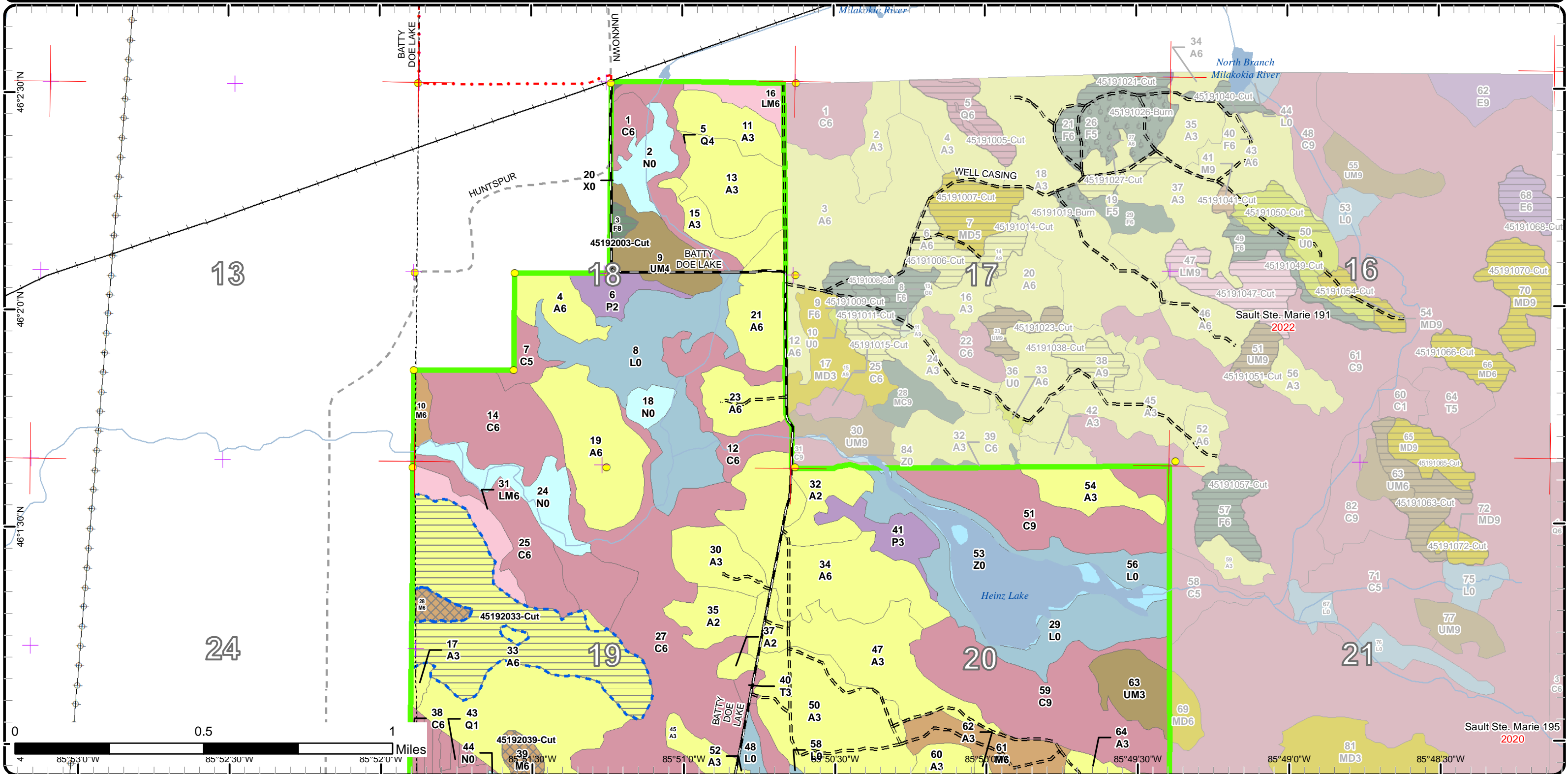


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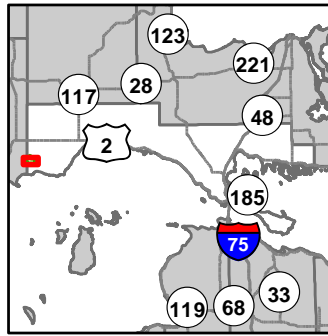
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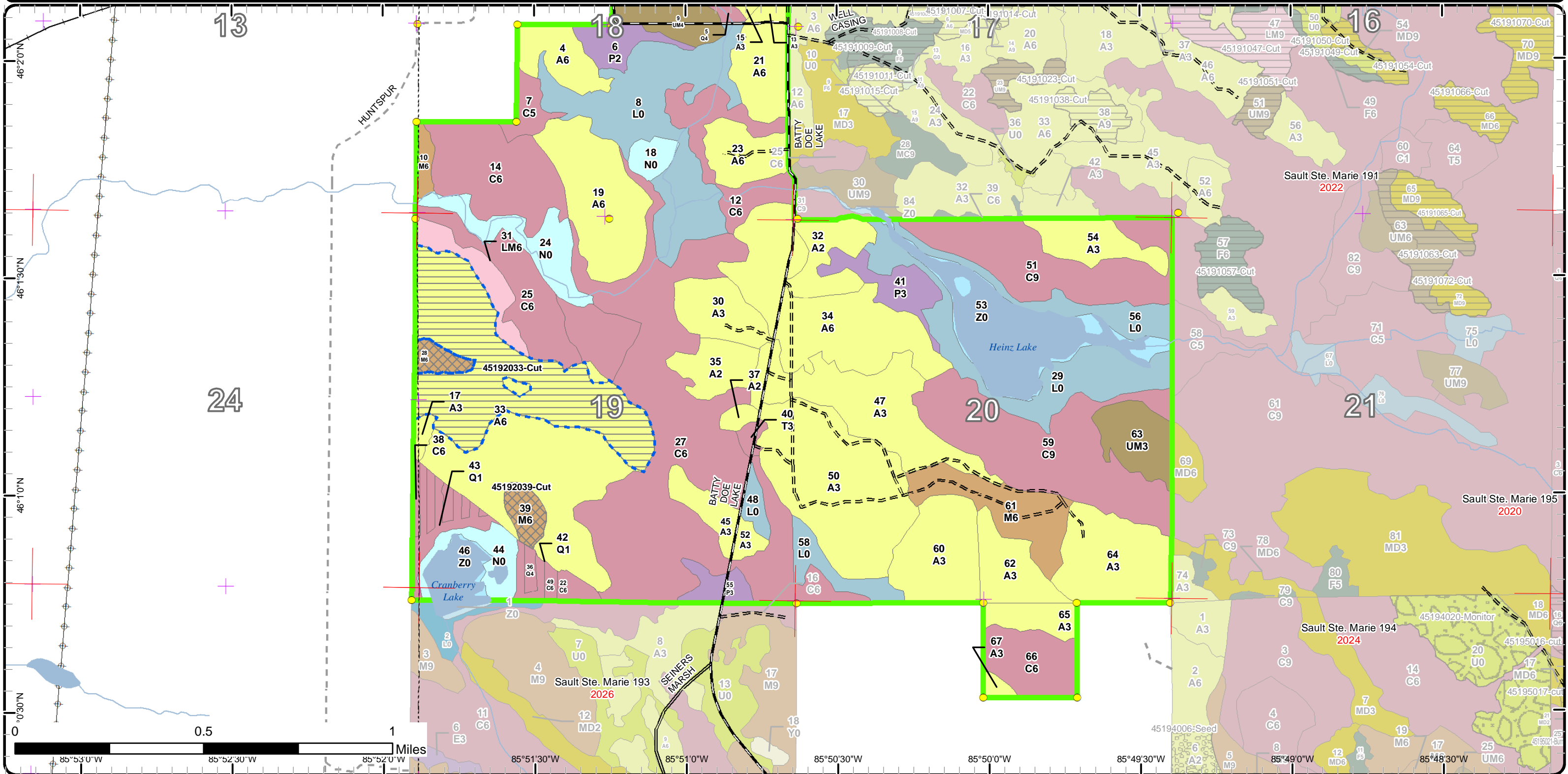
Sault Ste. Marie 195
2020

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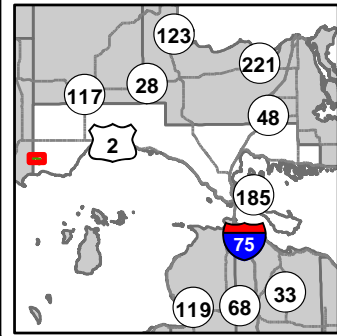


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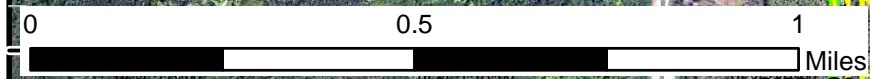
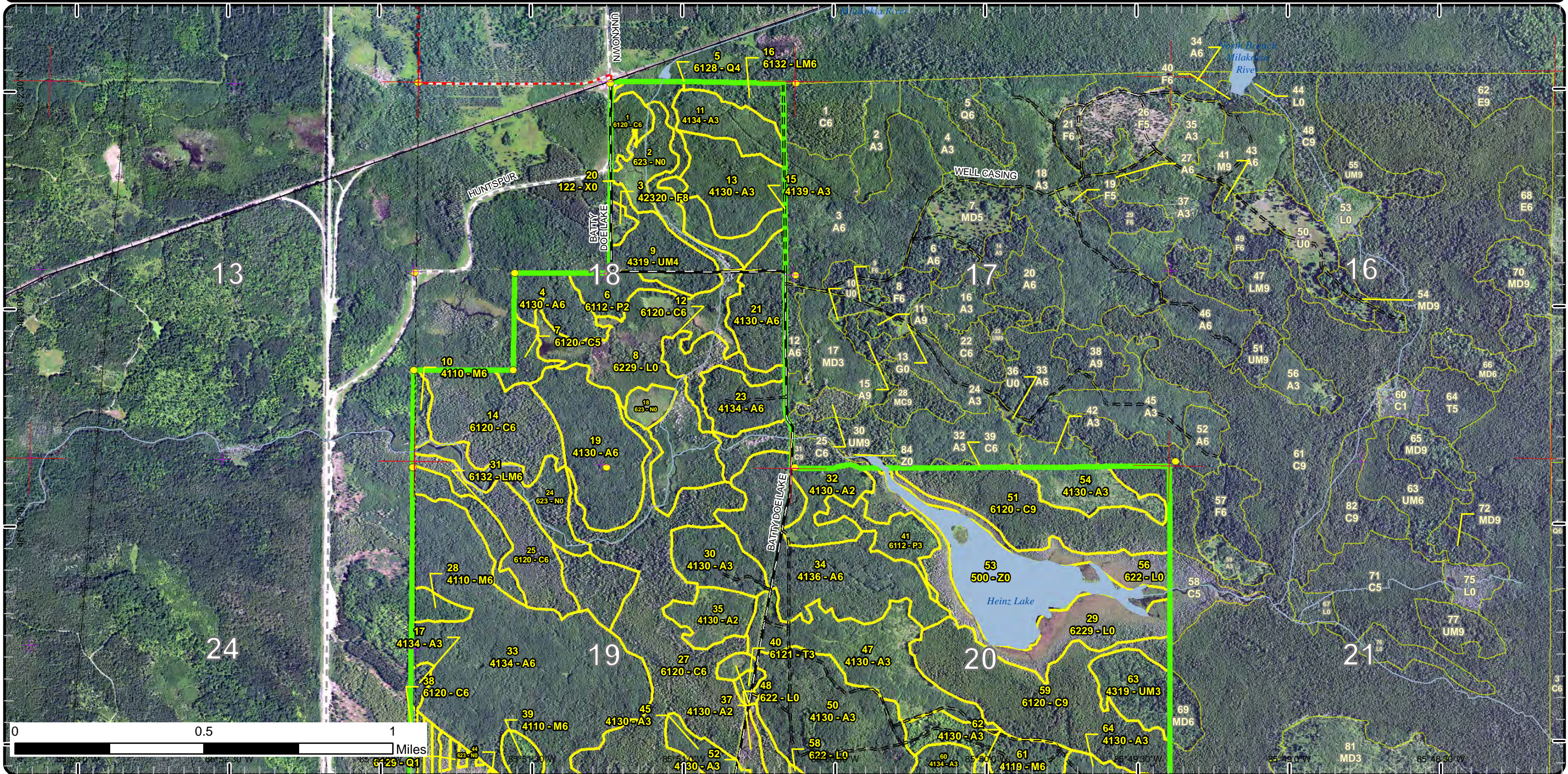


Stand Boundary Map

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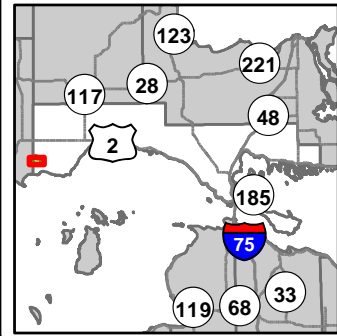


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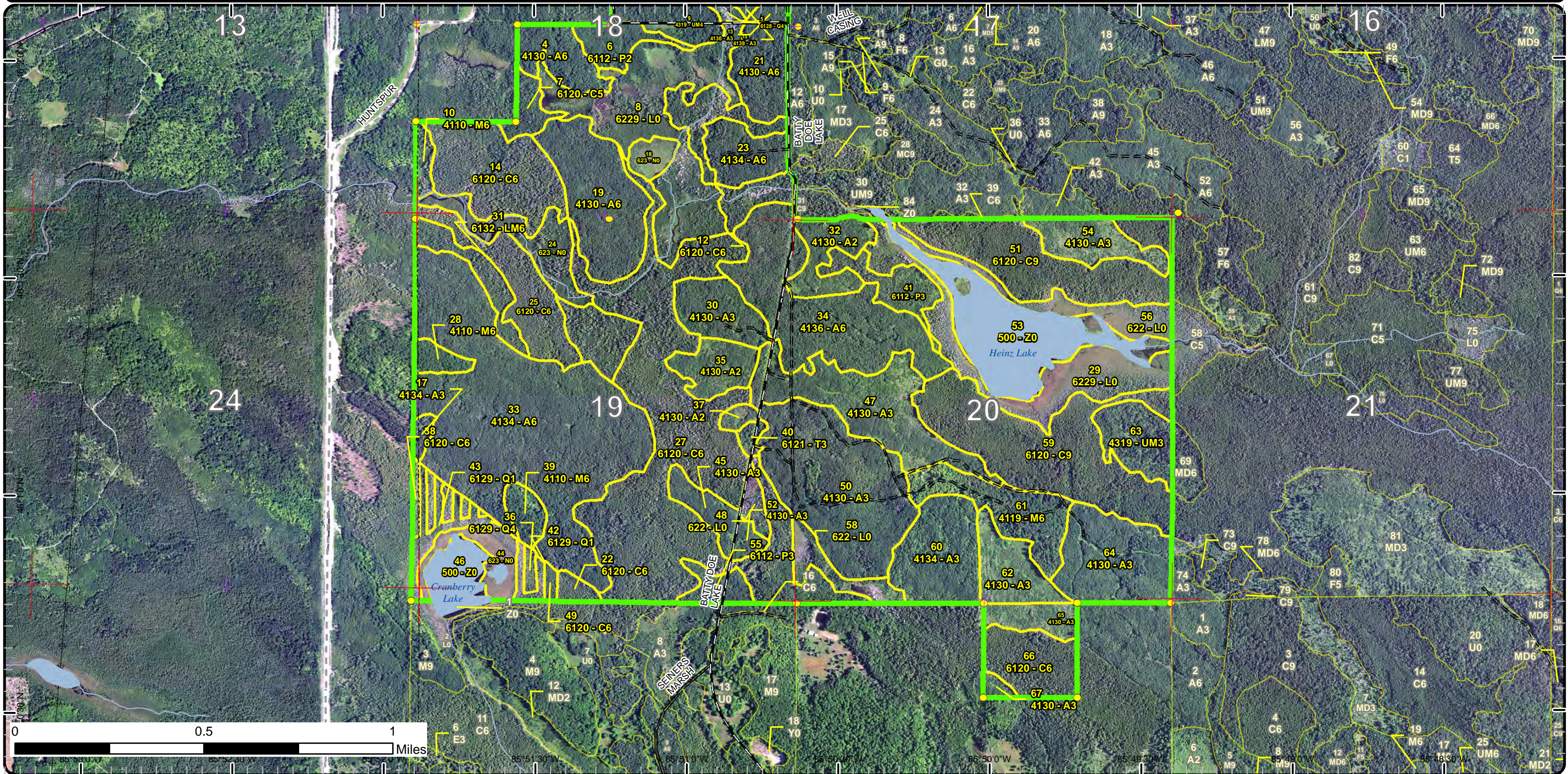


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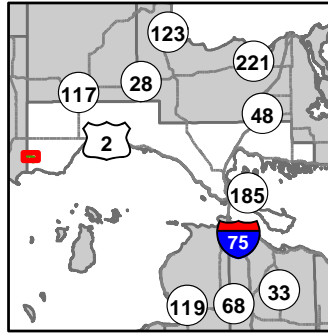


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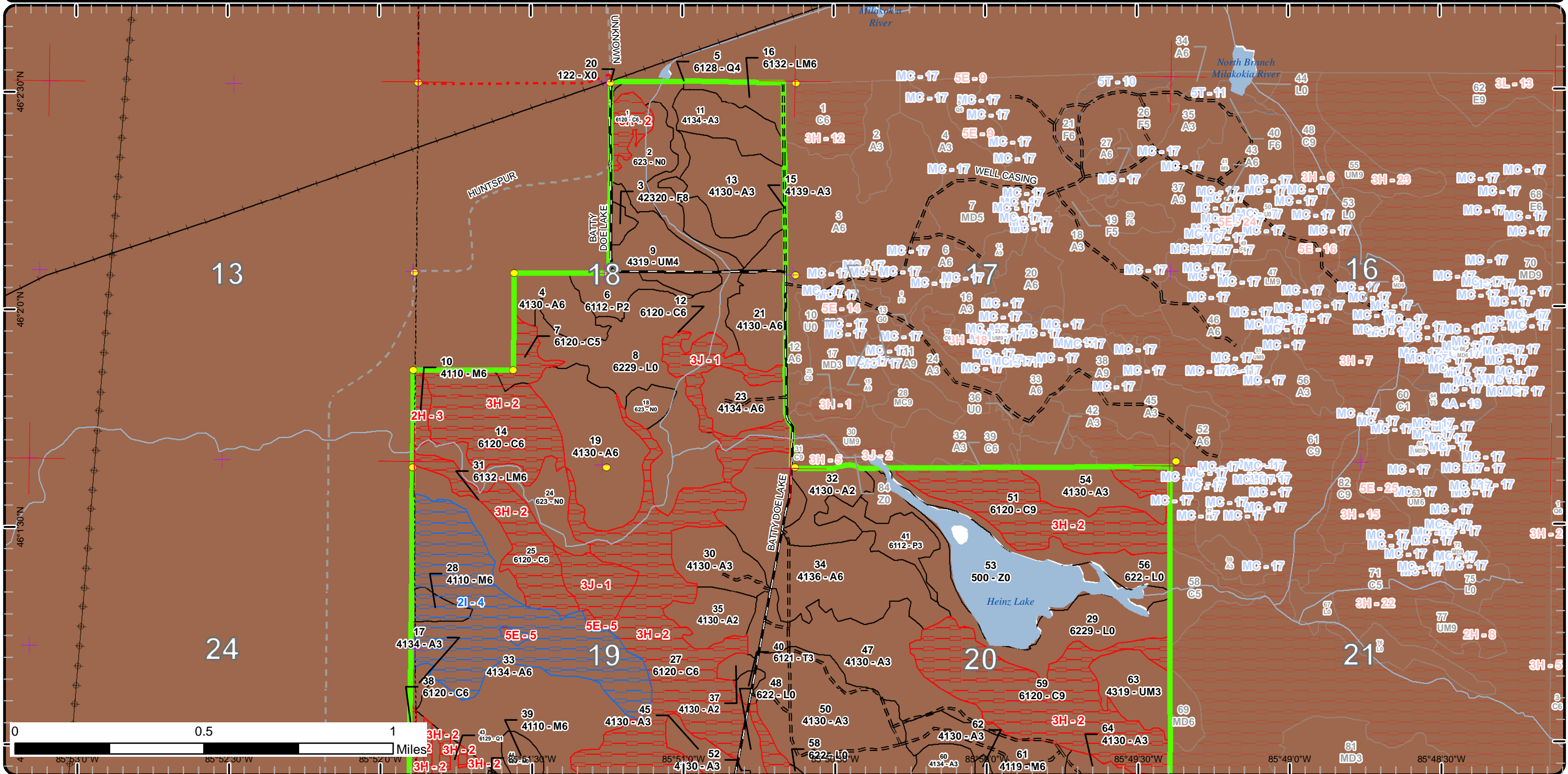


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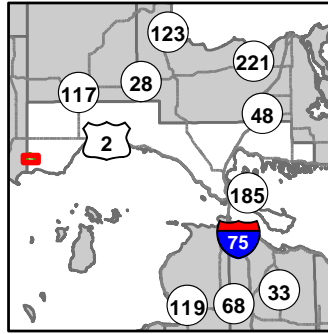


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- Available w/ Constraints
- 2I: Survey needed
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range

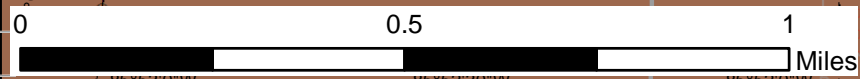
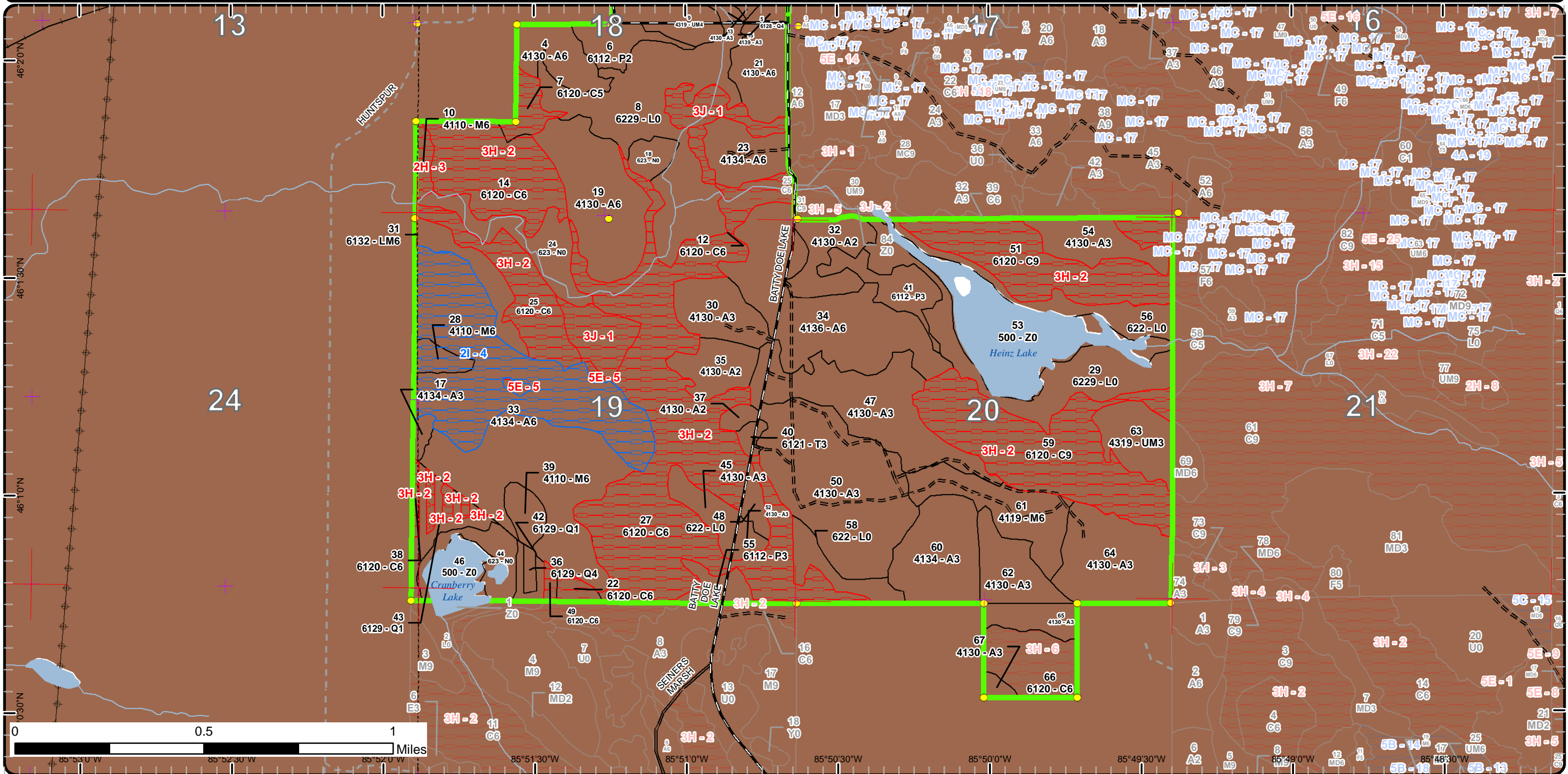


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0 0.5 1 Miles

Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit

Compartment 192 Year of Entry 2025

Jennifer Burnham : 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+	Unseen-Aged	Total
Aspen	0	0	165	90	280	246	0	0	0	0	0	0	0	0	0	0	0	0	781
Cedar	0	0	0	0	0	6	0	0	0	0	44	216	34	0	47	60	90	0	497
Lowland Aspen/Balsam Poplar	0	0	12	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Conifers	0	0	0	0	0	16	0	18	0	0	0	2	0	0	0	0	0	0	36
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	10	15	0	0	0	0	0	0	25
Lowland Shrub	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163
Marsh	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Northern Hardwood	0	0	0	0	0	0	0	0	0	32	20	0	0	0	0	0	0	0	52
Tamarack	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	0	0	21	0	0	26	0	0	0	0	0	0	0	0	0	0	0	47
Upland Spruce/Fir	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72
Total	296	0	177	137	283	268	29	18	0	32	74	233	34	0	47	60	90	0	1778



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 192
Total Compartment Acres: 1,776

Commercial Harvest - 11
Harvests with Site Condition - 104
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	98	0	0	0	0	0	0	0	0	98
Northern Hardwood	0	15	0	0	0	0	0	0	0	15
Upland Spruce/Fir	3	0	0	0	0	0	0	0	0	3
Total	101	15	0	0	0	0	0	0	0	115

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	115	0	0	0	0	0	0	0	0	115
Next Step	0	0	3	3	0	3	115	0	0	125
Total	115	0	3	3	0	3	115	0	0	240



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:

3	45192003-Cut	3.1	42320 - Upland Spruce	Sawtimber Medium	52	1-50	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest and seed or plant jack pine. Wildlife to herbicide stand for autumn olive and other invasive species. <u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Hand Application; Seeding, Hand Seed; Planting, Unfurrowed; Monitoring, Artificial Regen(3yr) <u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine with a mix of other conifer and deciduous trees. <u>Regen:</u></p> <p><u>Other</u> No retention due to small acreage. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
28	45192028-Cut	6.3	4110 - Sugar Maple Association	Poletimber Well	93	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Harvest trees to improve stand quality, keep BA to around 60-90sq.ft. If crop trees are present, open those areas up to promote regeneration. Winter harvest. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Hardwoods with some conifer. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2024</p>											
33	45192033-Cut	97.6	4134 - Aspen, Spruce/Fir	Poletimber Well	42	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand. Do not harvest cedar or hemlock if in the stand. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen and other species that are currently present in stand list. <u>Regen:</u></p> <p><u>Other</u> Retention areas are a best guess on location based on areas with more conifer. <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2024</p>											
39	45192039-Cut	8.3	4110 - Sugar Maple Association	Poletimber Well	93	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Harvest trees to improve stand quality, keep BA to around 60-90sq.ft. If crop trees are present, open those areas up to promote regeneration. Winter harvest. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Hardwoods and some conifer. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment
Acreage Proposed: 115.3

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 192
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2I	2H	3H	3J	5E	
779	679	98	2	Aspen	98					2
497	0	0	497	Cedar			452	44		
38	38	0	0	Lowland Aspen/Balsam Poplar						
36	36	0	0	Lowland Conifers						
25	25	0	0	Lowland Mixed Forest						
163	163	0	0	Lowland Shrub						
61	61	0	0	Marsh						
51	40	6	5	Northern Hardwood	6	5				
3	3	0	0	Tamarack						
47	47	0	0	Upland Mixed Forest						
3	3	0	0	Upland Spruce/Fir						
1	1	0	0	Urban						
73	73	0	0	Water						
1,776	1,168	104	504	Total Forested Acres	104	5	452	44		2
	66%	6%	28%	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)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	428	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 192
Year of Entry: 2025

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2I: Survey needed	104	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6120 - Lowland Cedar	Poletimber Well	9.1	119	51-80	N/A	Poor quality cedar. Very wet with small drains, especially on the south end.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		10	Pole/Sapling	6		Tag Alder	
Northern White Cedar		65	Pole	7	119	Medium	
Tamarack		5	Pole	5		Variable	
Paper Birch		20	Pole/Sapling	6		Low	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
						Sapling	

2	623 - Emergent Wetland	Nonstocked	15.4			No	
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3	42320 - Upland Spruce	Sawtimber Medium	3.1	52	1-50	N/A	Upland area with low stocking. Harvest and plant to jack pine to develop a stocked stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log	9		Black Spruce	
Black Cherry		5	Pole	8		Low	
White Spruce		30	Log/Pole	10	52	Variable	
Black Spruce		30	Pole/Log	8		10 - 20 feet	
White Pine		20	Log/Pole	10		Sapling	
Red Pine		5	Pole	9		Sapling	

4	4130 - Aspen	Poletimber Well	18.0	43	1-50	N/A	Stand is really close to being an A6. Nice stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		65	Pole/Sapling	6	43	Balsam Fir	
Balsam Fir		5	Sapling/Pole	3		High	
Bigtooth Aspen		20	Pole/Sapling	5		Variable	
Paper Birch		10	Sapling/Pole	3		Sapling	

5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	17.7	60	1-50	N/A	Multiple drainages found in the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		40	Pole	8	60	Tag Alder	
Paper Birch		10	Pole	7		Low	
Red Maple		20	Pole/Sapling	5		5 - 10 feet	
Balsam Fir		10	Pole/Sapling	5		Tall Shrub	
Black Ash		10	Pole	5			
Black Spruce		10	Pole/Sapling	7			

6	6112 - Lowland Aspen	Sapling Medium	12.1	17	Immature	N/A	Wet areas contain alder and ash.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Poplar		5	Sapling	3			
Balsam Fir		5	Sapling	2			
Quaking Aspen		80	Sapling	3	17		
Paper Birch		10	Sapling	3			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	6120 - Lowland Cedar	Poletimber Medium	8.8	101	1-50	N/A	Lowland filling in from adjacent stands.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Balsam Poplar	10	Sapling/Pole	4	
Northern White Cedar	70	Pole/Sapling	7	101
Black Spruce	10	Sapling	5	

8	6229 - Mixed lowland shrub	Nonstocked	76.8		Unspecified	No	
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9	4319 - Mixed Upland Forest	Poletimber Poor	25.8	52	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	25	Pole	8	
White Pine	15	Pole	9	
Quaking Aspen	25	Pole/Sapling	7	52
White Spruce	10	Pole/Sapling	7	
Red Maple	20	Pole/Sapling	6	
Black Ash	5	Pole/Sapling	6	

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

10	4110 - Sugar Maple Association	Poletimber Well	5.1	99	51-80	N/A	Small, sliver of adjacent stand on quarry land. The Quarry is no longer granting access through their property. Stand was thinned in 2009. Part of Quarry Access timber sale.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Pole/Log	8	99
Beech	10	Log	12	
Red Maple	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
Beech	Medium	5 - 10 feet	Sapling

11	4134 - Aspen, Spruce/Fir	Sapling Well	19.9	30	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	55	Sapling/Pole	4	30
Balsam Fir	15	Sapling	2	
Bigtooth Aspen	25	Sapling/Pole	4	
White Spruce	5	Sapling	2	

12	6120 - Lowland Cedar	Poletimber Well	44.0	96	1-50	N/A	Wet are and buffer for creek. Some areas are dead due to the high water.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole/Sapling	7	
Black Spruce	15	Pole	7	
Northern White Cedar	55	Pole/Log	8	96
Balsam Fir	10	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4130 - Aspen Sapling Well 37.7 38 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	20	Sapling/Pole	4	
Balsam Fir	10	Sapling	3	
Paper Birch	5	Sapling	3	
Red Maple	5	Sapling	3	
Quaking Aspen	50	Sapling/Pole	4	38
Bigtooth Aspen	10	Sapling/Pole	4	

14 6120 - Lowland Cedar Poletimber Well 46.6 131 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole/Sapling	7	
Red Maple	10	Pole/Sapling	7	
Paper Birch	10	Pole	7	
Northern White Cedar	75	Pole/Sap/Log	8	131

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

Wet, poor quality cedar with multiple drains though the entire stand. There are some areas where the crowns are smaller due to the higher water table than in other areas but the main species is still cedar.

15 4139 - Aspen, Mixed Deciduous Sapling Well 14.0 17 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling	2	
Northern White Cedar	5	Sapling	4	
Quaking Aspen	50	Sapling	2	17
Black Spruce	5	Sapling	2	
Red Maple	10	Sapling	2	
Balsam Poplar	15	Sapling	2	
Balsam Fir	5	Sapling	2	

16 6132 - Mixed Lowland Forest with Cedar Poletimber Well 10.4 98 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
Northern White Cedar	50	Pole/Log	8	98
White Spruce	5	Pole	6	
Bigtooth Aspen	30	Pole/Sapling	5	30
Paper Birch	10	Sapling	4	

17 4134 - Aspen, Spruce/Fir Sapling Well 3.1 42 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling/Pole	3	
White Spruce	15	Sapling/Pole	3	
Quaking Aspen	40	Sapling/Pole	4	42
Balsam Fir	20	Sapling/Pole	3	
Bigtooth Aspen	20	Sapling/Pole	4	

Stand was cut in 1981-1982. More conifer in the northern part of the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
18	623 - Emergent Wetland	Nonstocked	6.9		Unspecified	No																															
19	4130 - Aspen	Poletimber Well	49.1	41	1-50	N/A																															
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Balsam Fir	10	Sapling	3																																		
White Spruce	5	Pole/Sapling	5																																		
20	122 - Road/Parking Lot	Nonstocked	0.7	0	Unspecified	No	Road ROW and turn around areas by the railroad tracks.																														
21	4130 - Aspen	Poletimber Well	21.8	38	1-50	N/A	Nice aspen stand. Should be an A6 next inventory cycle.																														
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Bigtooth Aspen	15	Pole/Sapling	5																																		
22	6120 - Lowland Cedar	Poletimber Well	4.4	47	51-80	N/A	Uncut portion of cedar strips cut thirty years ago.																														
23	4134 - Aspen, Spruce/Fir	Poletimber Well	19.3	38	1-50	N/A																															
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Balsam Fir	10	Sapling/Pole	3																																		
White Spruce	10	Sapling/Pole	4																																		
24	623 - Emergent Wetland	Nonstocked	23.4		Unspecified	No																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25 6120 - Lowland Cedar Poletimber Well 30.8 101 51-80 N/A There are areas of mortality near the river.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	65	Pole/Sap/Log	8	101
White Pine	5	Log/Pole	10	
Black Spruce	10	Pole/Sapling	7	
Paper Birch	5	Pole	8	
Quaking Aspen	10	Pole	8	
Balsam Fir	5	Pole/Sapling	6	

27 6120 - Lowland Cedar Poletimber Well 176.0 101 51-80 N/A Stand is a mix of areas with high BA to low BA. There are areas of more open and wet with some places of a bit higher ground and more maple. There are also places with drains near the river.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole/Sapling	5		Black Spruce	Low	10 - 20 feet	Sapling
Northern White Cedar	75	Pole/Sap/Log	8	101				
Red Maple	5	Pole/Sapling	7					
Black Spruce	5	Pole	8					

28 4110 - Sugar Maple Association Poletimber Well 6.3 93 81-110 N/A Stand was thinned in 2009. Part of Quarry Access timber sale.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	10	Log	10		Sugar Maple	Medium	< 5 feet	Sapling
Sugar Maple	90	Pole/Log	8	93	Beech	Medium	Variable	Sapling

29 6229 - Mixed lowland shrub Nonstocked 47.3 0 Unspecified No

30 4130 - Aspen Sapling Well 21.4 34 1-50 N/A Nice young aspen stand. Pockets of conifers.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Sapling	3	
Bigtooth Aspen	25	Pole/Sapling	5	
Quaking Aspen	65	Sapling/Pole	4	34
Balsam Fir	5	Sapling	3	

31 6132 - Mixed Lowland Forest with Cedar Poletimber Well 14.8 101 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole	9	101	Northern White Cedar	Medium	10 - 20 feet	Sapling
Paper Birch	10	Pole	8					
Quaking Aspen	35	Pole/Sapling	5	42				
Black Spruce	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
32	4130 - Aspen	Sapling Medium	19.4	16	1-50	N/A	Stand was cut in 2010. Part of Fine Nine Aspen timber sale. Regen doing great.																																			
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33	4134 - Aspen, Spruce/Fir	Poletimber Well	175.3	42	81-110	N/A	Stand was cut in 1981-1982. More conifer in the northern part of the stand.																																			
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34	4136 - Aspen, Mixed Conifer	Poletimber Well	74.7	38	1-50	N/A	Typical of the aspen in this area. Doing really well.																																			
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Bigtooth Aspen	15	Pole/Sapling	6																																							
35	4130 - Aspen	Sapling Medium	16.7	13	Immature	N/A	Stand was cut as part of Fine Nine timber sale. Regen doing good.																																			
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36	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	2.4	101	1-50	N/A	This portion of the stand was not harvested with the strips, however there is a lot of mortality due to the high water table.																																			
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37	4130 - Aspen	Sapling Medium	3.4	13	1-50	N/A	Stand was part of the Fine Nine Timber sale. Cut in 2010. Regen is doing great.																														
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38	6120 - Lowland Cedar	Poletimber Well	7.3	171	51-80	N/A	Getting some mortality on the south end due to water table. 2013 Uncut portion of cedar strips cut thirty years ago.																														
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Northern White Cedar	90	Pole	9	171																																	
39	4110 - Sugar Maple Association	Poletimber Well	8.3	93	81-110	N/A	Access is from Cmpt 193. 2013- Stand was thinned in 2009. Part of the Quarry Access timber sale.																														
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Beech	5	Log	12		Sugar Maple	High	Variable	Sapling																													
40	6121 - Tamarack	Sapling Well	3.1	36	1-50	N/A	Stand was previously typed as grassy opening. There is evidence of past harvesting. Also, there is enough tamarack and spruce to make it a forested stand.																														
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Balsam Fir	10	Sapling	1																																		
41	6112 - Lowland Aspen	Sapling Well	16.4	26	1-50	N/A	Decent P3 stand. Some small open spots but are mostly filled in.																														
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42	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	4.2	46	1-50	N/A																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
43	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	11.7	46	1-50	N/A	Need to field verify spp. Took a stab at what is out there until I can get back to the stand,																																			
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Northern White Cedar	45	Sapling	2	46																																						
44	623 - Emergent Wetland	Nonstocked	14.9			No																																				
45	4130 - Aspen	Sapling Well	11.2	25	1-50	N/A	Nice young aspen stand. Not alot of conifer.																																			
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Bigtooth Aspen	5	Sapling	4																																							
Quaking Aspen	85	Sapling	4	25																																						
46	500 - Water	Nonstocked	14.4			No																																				
47	4130 - Aspen	Sapling Well	50.8	13	Immature	N/A	Stand was cut in 2010. Part of Fine Nine timber sale. Regen doing great.																																			
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48	622 - Lowland Shrub	Nonstocked	5.5		Unspecified	No																																				
49	6120 - Lowland Cedar	Poletimber Well	2.0	47	51-80	N/A	Possible harvested area																																			
50	4130 - Aspen	Sapling Well	84.9	30	1-50	N/A	This stand was cut between 1986 - 1993. Impossible to tell apart now. Really nice stand. One small pocket of mature aspen, birch and maple. It's only a couple of acres and it adds nice diversity to this stand.																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
51	6120 - Lowland Cedar	Sawtimber Well	59.5	142	81-110	N/A	Big cedar log stand. Part of a larger cedar complex with stands in the compartment to the east.																																					
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54	4130 - Aspen	Sapling Well	19.5	14	Immature	N/A	Stand was cut in 2009. Part of Fine Nine timber sale. Regen doing excellent.																																					
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55	6112 - Lowland Aspen	Sapling Well	9.2	25	1-50	N/A	Decent lowland poplar stand.																																					
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59	6120 - Lowland Cedar	Sawtimber Well	83.0	156	81-110	N/A	Very nice cedar log stand.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60 4134 - Aspen, Spruce/Fir Sapling Well 36.2 23 1-50 N/A Nice aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	55	Sapling	2	23
Balsam Fir	10	Sapling	2	
White Spruce	10	Sapling	2	
Bigtooth Aspen	25	Sapling	2	

61 4119 - Mixed Northern Hardwoods Poletimber Well 31.7 82 81-110 N/A Some areas have maple and ash in the understory, browsed, some areas have beech. Low end of BA, wait 10 years, stand was thinned pretty hard last entry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
American Elm	5	Pole	7		Red Maple	Medium	< 5 feet	Sapling
Northern White Cedar	5	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	60	Pole/Log	9	82	Sugar Maple	Medium	< 5 feet	Sapling
White Spruce	5	Log	10		Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Log	9					
Beech	5	Log	12					
Paper Birch	5	Pole	8					
Sugar Maple	10	Pole	8					

62 4130 - Aspen Sapling Well 21.3 13 1-50 N/A Trees are about 25 feet tall. 2013-Stand was cut as part of Fine Nine timber sale. Regen doing really good.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Sapling	2	
Red Maple	10	Sapling	2	
Quaking Aspen	50	Sapling	2	13
Bigtooth Aspen	25	Sapling	2	
Balsam Fir	10	Sapling	2	

63 4319 - Mixed Upland Forest Sapling Well 21.2 22 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Sapling/Pole	6	22
Black Spruce	10	Sapling	4	
White Spruce	15	Sapling	4	
Red Maple	15	Sapling	3	
Northern White Cedar	5	Log	10	
Black Cherry	5	Sapling	1	
Quaking Aspen	15	Sapling	4	
Balsam Poplar	15	Sapling	4	22



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
64	4130 - Aspen	Sapling Well	42.3	26	1-50	N/A	Decent aspen stand. Was cut over two years. 1996-1997																																				
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65	4130 - Aspen	Sapling Well	12.0	13	1-50	N/A	2013- Stand was clear cut in 2009. Regeneration is doing good.																																				
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66	6120 - Lowland Cedar	Poletimber Well	25.0	116	141-170	N/A	2015 -Decent cedar stand.																																				
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