



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45109

Entry Year 2021

Acreage: 1,872

County Chippewa

Management Area: Carp River Red Pine

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**Revision Date:** 2019-07-29

**Stand Examiner:** Andrew Krugh

**Legal Description:**

T44N-R06W, Sections 25, 34, 35 & 36; Trout Lake Township

**Identified Planning Goals:**

This compartment is located in Chippewa County, just south of Trout Lake. It is on the northern end of the Carp River Red Pine Management Area. Plans for this Management Area are currently being written. Carp Lake, Frenchman Lake and Wegwaas Lake are considered primarily a summer lakeside cabin/resort area. Carp Lake is also the start of the Carp River.

**Soil and topography:**

Sandy uplands are rolling to hilly with steep slopes in spots. Associated soils are Rousseau fine sand, Kinross-Au Gres complex, Rubicon sand, Wainola fine sand, Au Gres sand and Kalkaska sand. Lowlands are mainly bog or marsh complexes consisting of Markey and Carbondale mucks, Dawson and Loxley peats, and Kinross muck.

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

State land borders to the south and west, with USFS land to the east. Private land borders the north, with mostly small lot sized parcels. There has been an increased use of ORV's in the area, with some illegal activity present.

**Unique Natural Features:**

Carp River begins at Carp Lake and runs through the compartment. MNFI has identified a muskeg in the compartment.

**Archeological, Historical, and Cultural Features:**

None noted, but two sections are flagged with archeological information.

**Special Management Designations or Considerations:**

This is adjacent to a high summer use lakeside community. The aspen needs to be managed or we will lose it. Harvesting operations may be limited to non-winter due to snowmobile trails. Motorcycle trails and snowmobile trails (if applicable) must be signed and kept clean while logging operations are ongoing. A muskeg natural community (C rank) is identified by MNFI within the compartment and may affect treatment recommendations.

**Watershed and Fisheries Considerations:**

This compartment contains the Carp River, Johnson Lake, and Huckleberry Lake. This reach of the Carp River is classified as cold-transitional. A 300-foot buffer should be maintained adjacent to the Carp River to discourage beaver activity and damming.

**Wildlife Habitat Considerations:**

This compartment is part of the Carp River Red Pine MA where featured wildlife species include blackburnian warbler, red-shouldered hawk, ruffed grouse, and snowshoe hare. Aspen tends to dominate in upland areas while lowlands include a large lowland jack pine stand in the southwest, marshy and boggy lowlands, and lowland spruce and cedar pockets in various locations. Many aspen stands were treated in the past and are relatively young, providing habitat for deer and grouse. The Carp River flows through, and several lakes or ponds including Huckleberry Lake and Johnson Lake provide habitat for the common loon, beaver, and river otter.

Most stands will be left to continue maturing and provide habitat for grouse, white-tailed deer, snowshoe hare, and other species. Wetlands and waterbodies should be protected by buffering around these features to maintain habitat for beaver, migratory birds, and other species. Retention of hard and soft mast bearing species, snags, and den trees is also important for deer, bear, and other wildlife. A few stands will be treated to promote some young growth. All hemlock should be retained to benefit a variety of wildlife including species like the blackburnian warbler.

**Mineral Resource and Development Concerns and/or Restrictions**

The Trout Lake sand pit is located in Section 34 and is currently leased to the County Road Commission. The pit appears to be only a source for sand. There is gravel and limestone potential within the compartment, but, in most places, it appears to be too deep to be economically mined. There is no known metallic mineral potential in this area, and there is no current

economic oil and gas production in the UP.

**Vehicle Access:**

County roads access the majority of the compartment. Huckleberry Road traverses the compartment, east to west, from O.J. Miller Road to M-123. Chippewa County plows this road between O.J. Miller Road to just east of the Carp River bridge, and is a seasonal county road beyond this point. Carp River Truck Trail and J.T. Camp Road are county roads to the county line. The county maintains and plows Carp River Truck Trail up to our sandpit, approximately ¼ mile. Huckleberry Lake Road is a department road prone to developing sand blowouts. Work has been done on this road in conjunction with timber sales. There are some two-tracks off Huckleberry Lake Road that afford access. Many other timber sale roads have been blocked after the sale was completed.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

Lakeside recreational property adjacent to the north. Snowmobile trails and Brevort-Trout Lake motorcycle trail cross the compartment.

**Fire Protection:**

This is not a high fire area, but with the high recreational use and adjacency to large pine areas, there is potential for fire problems. There was a wildfire in the early 1960's in section 36. This is one of the farthest areas away from the Naubinway Field Office for response time. Adequate water sources are nearby.

**Additional Compartment Information:**

There has been illegal ORV use of the motorcycle trail from the sand pit south to near the ponds, affecting over 1 mile of trail. The ORV's have continued to climb the sand hills adjacent to the sand pit, even after stumps and trees were felled to curb the activity.

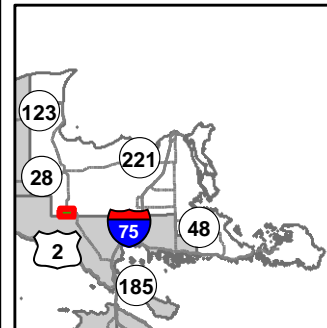
**The following reports from the Inventory are attached:**

- 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:**

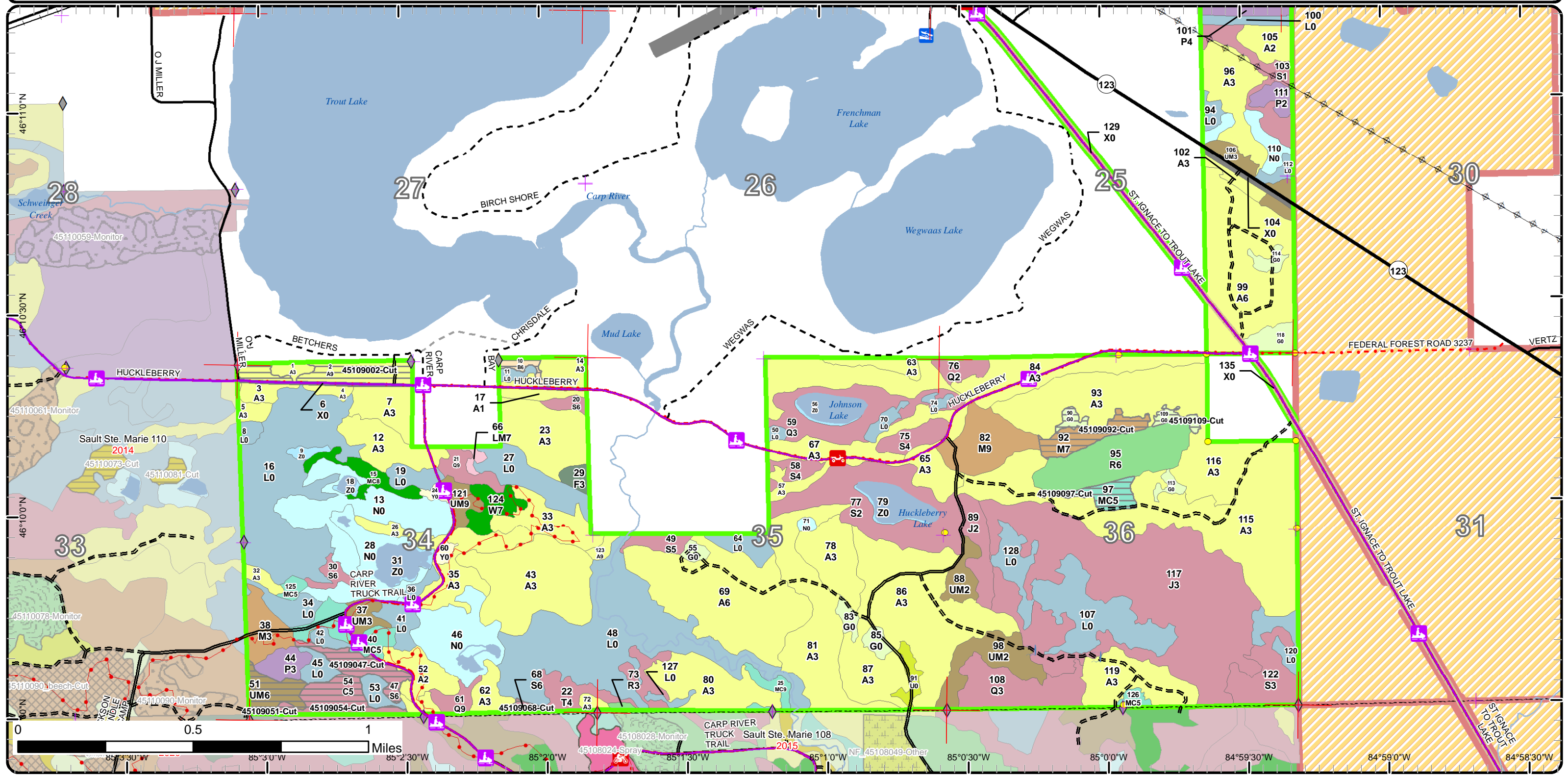
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map



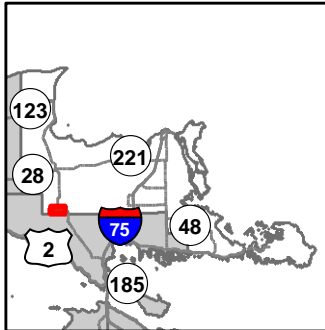
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 Map Revised: 8/9/2019  
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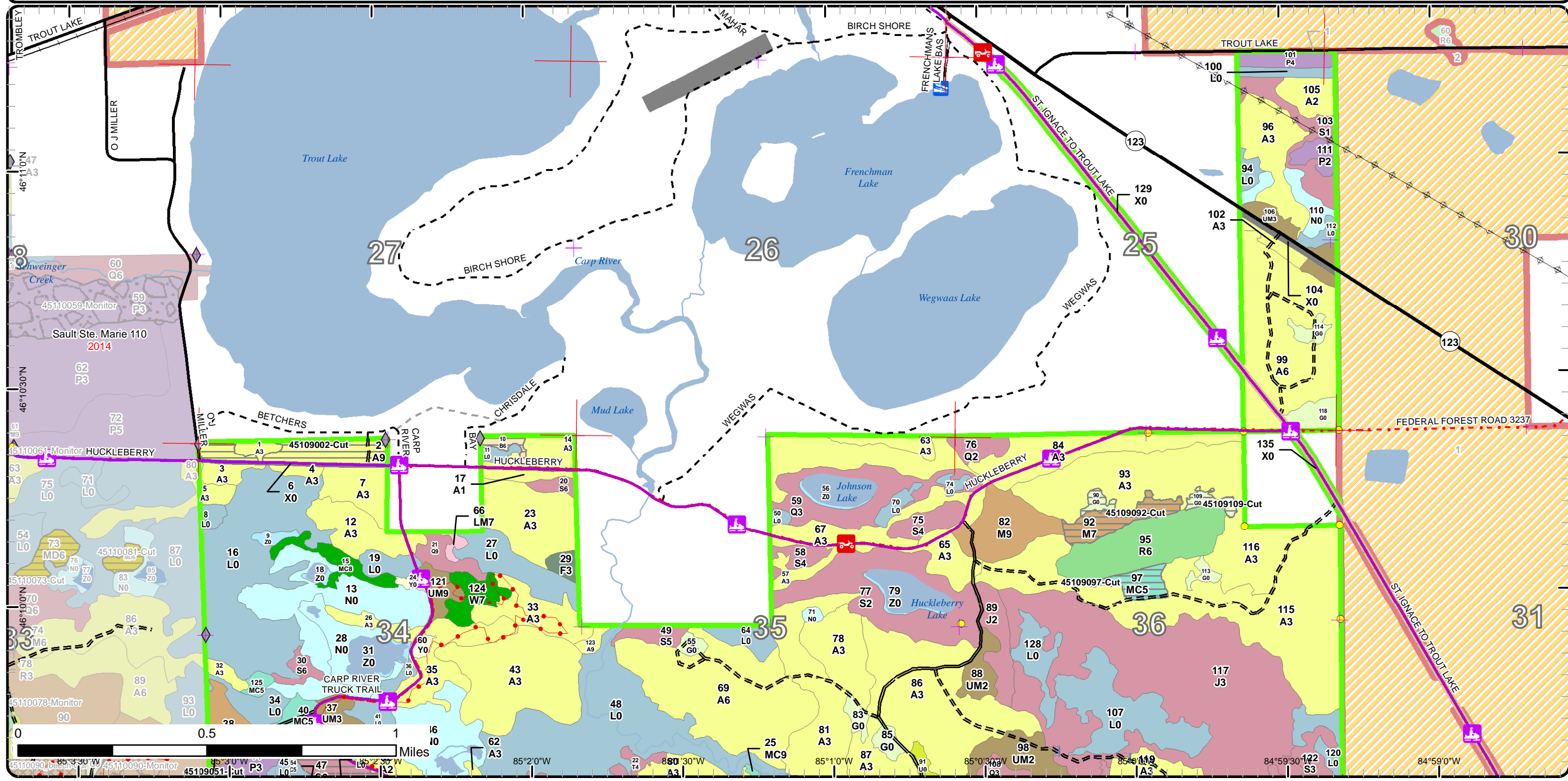


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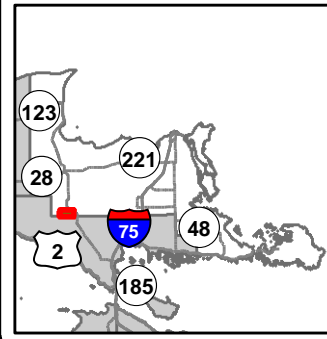


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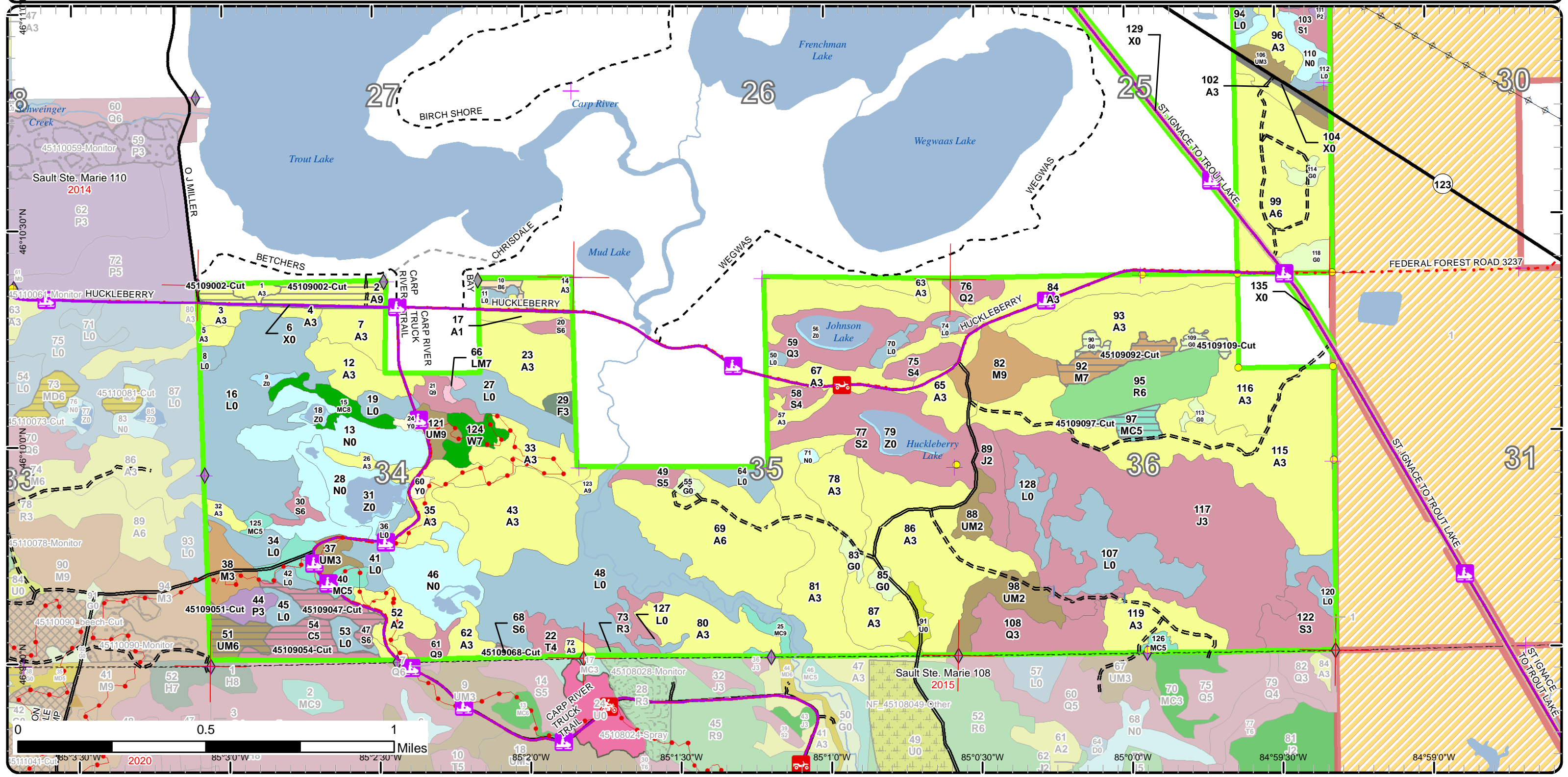


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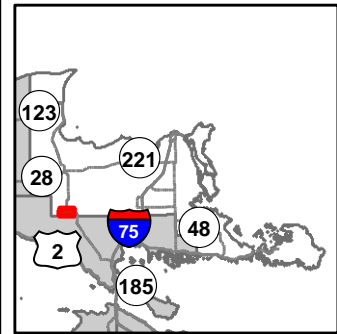


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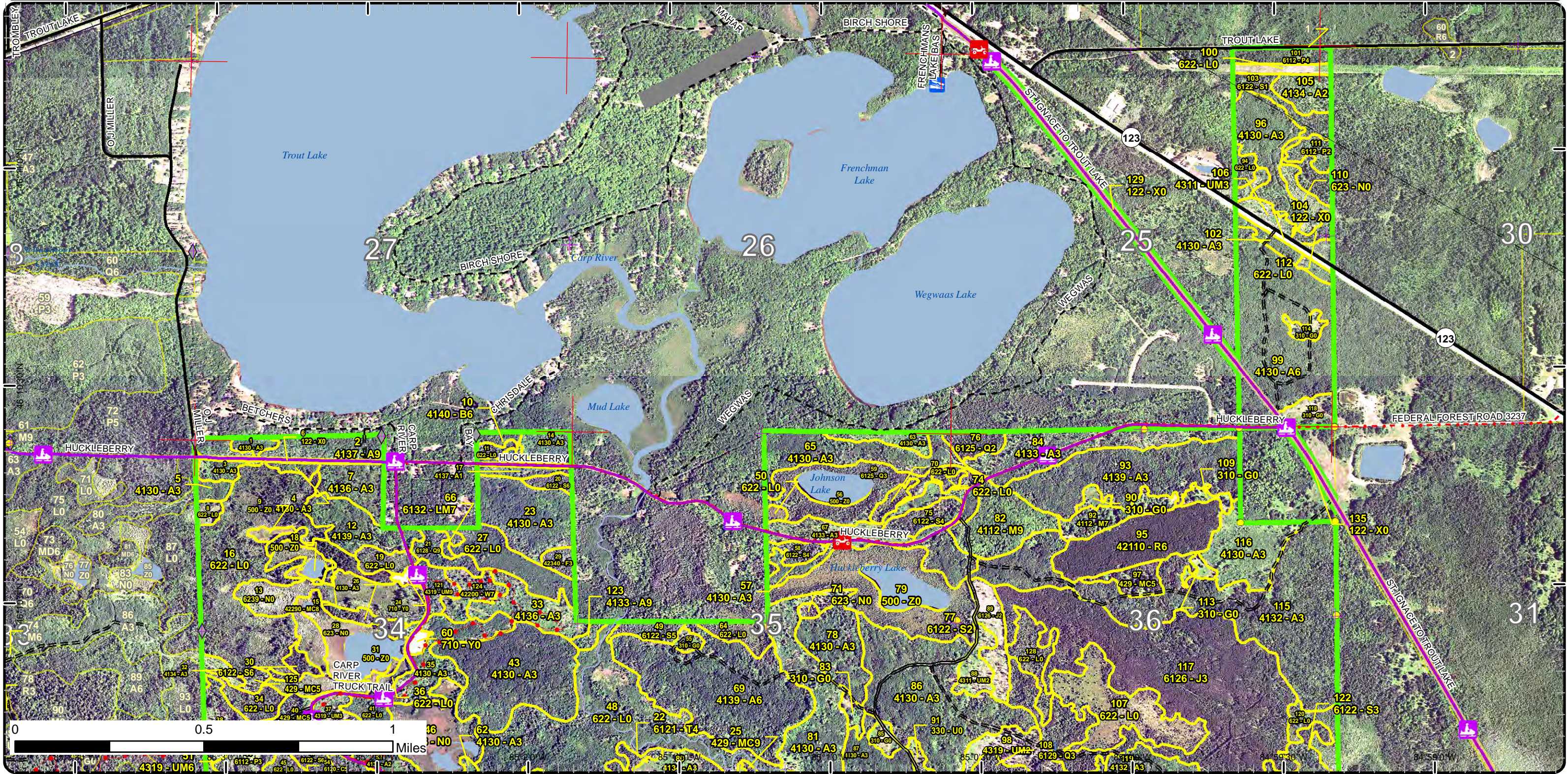


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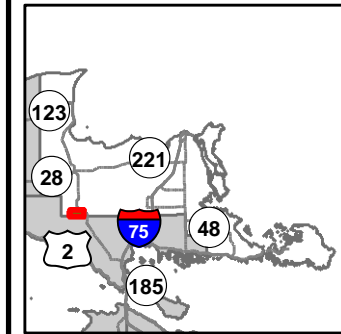


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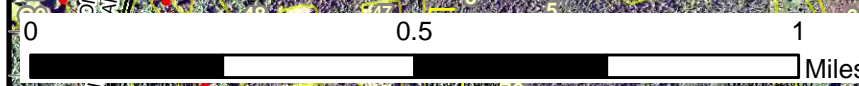
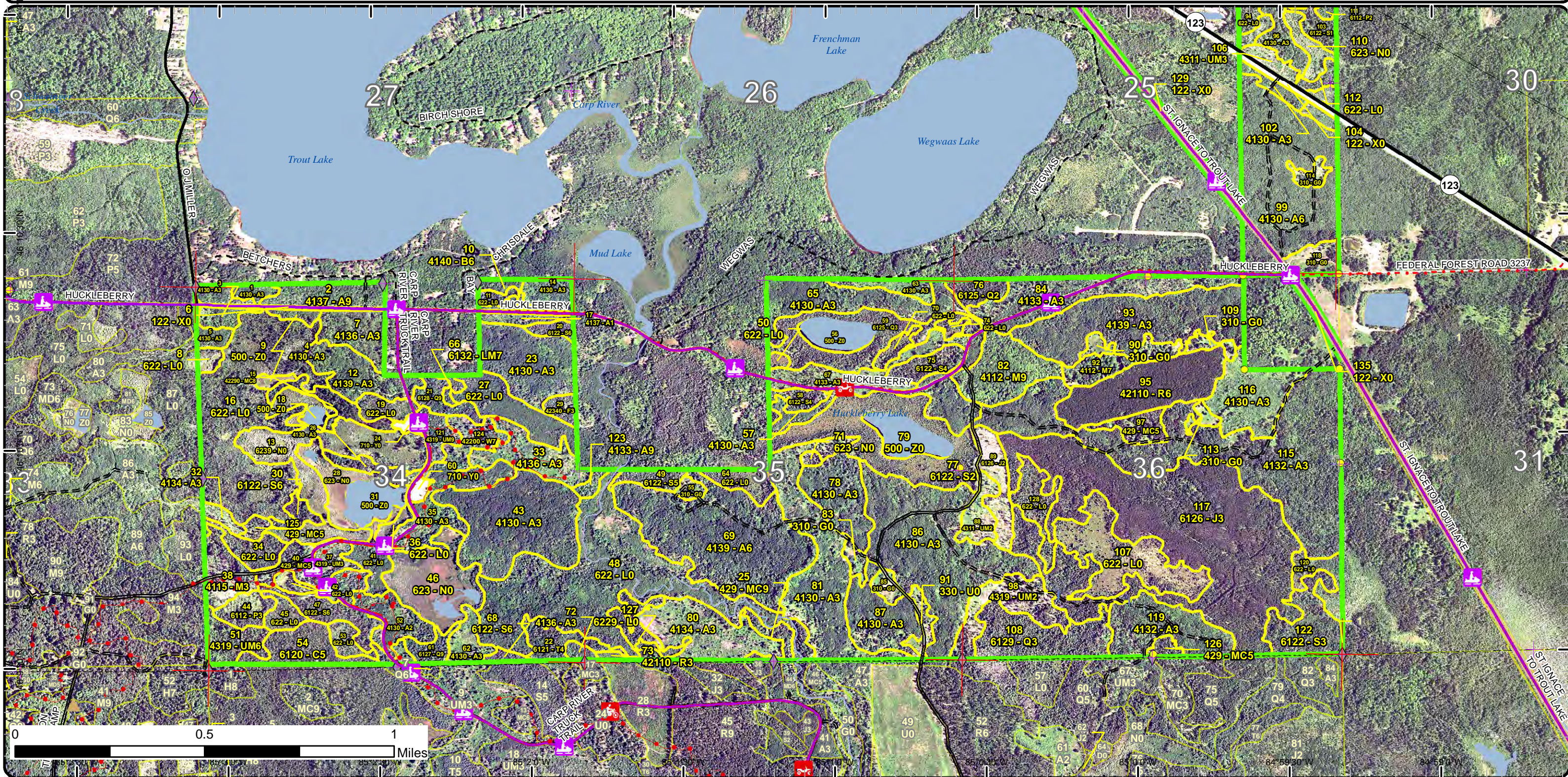


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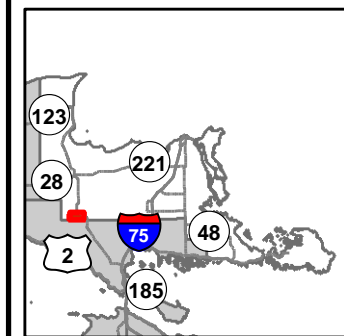


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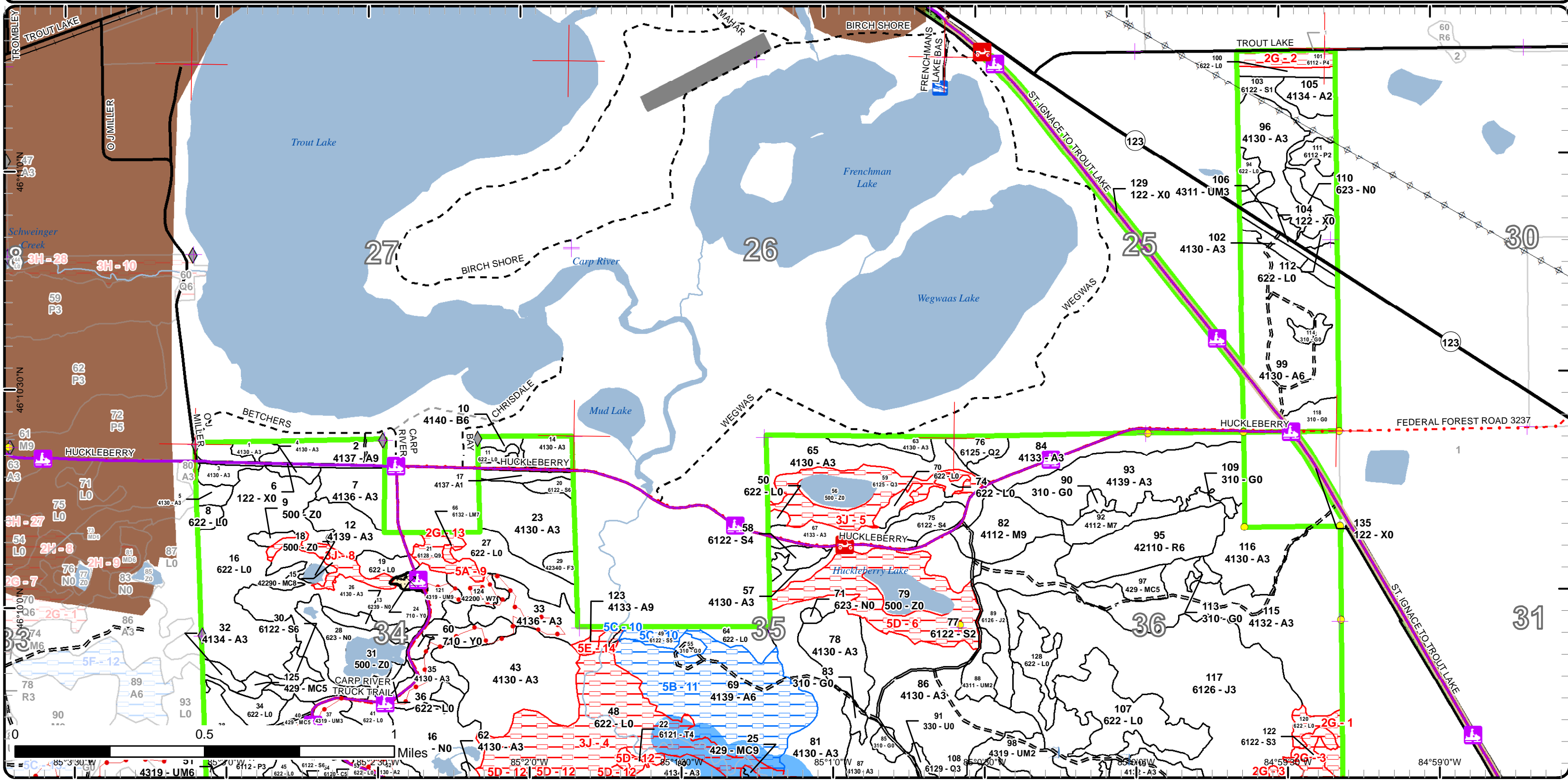


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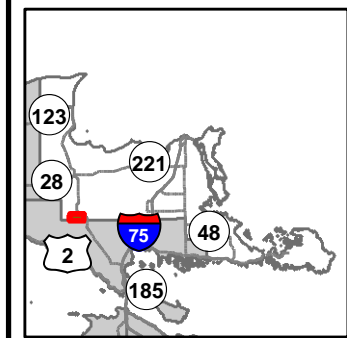
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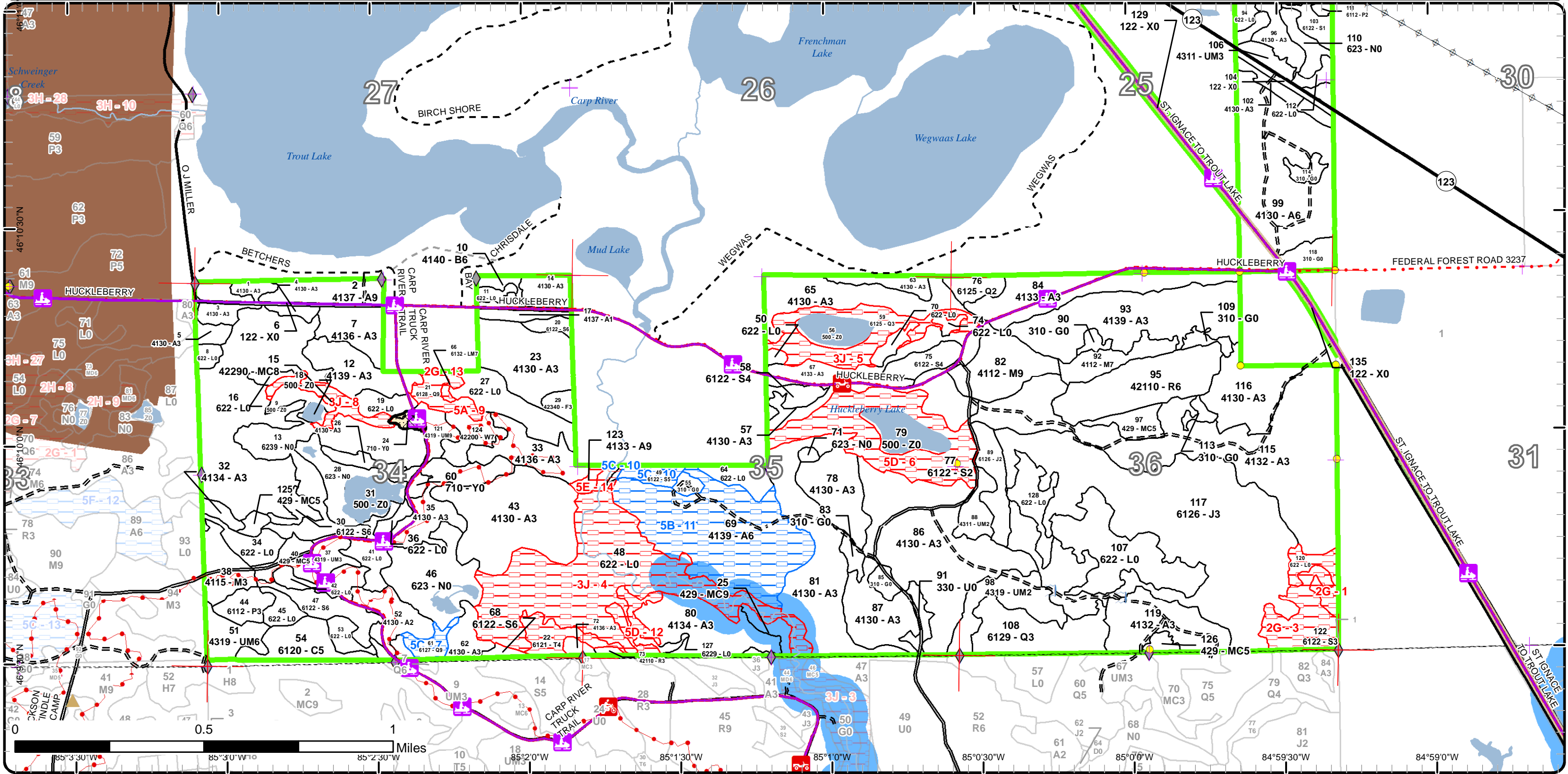


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Report 1 – Total Acres by Cover Type and Age Class



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	90	145	218	368	2	0	0	0	16	0	0	0	0	0	0	0	0	839
Cedar	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Jack Pine	0	11	0	0	144	0	0	0	0	0	0	0	0	0	0	0	0	0	155
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	7	0	5	0	7	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	24	0	0	30	0	0	0	5	0	7	0	0	0	0	65
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Lowland Shrub	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291
Lowland Spruce/Fir	0	0	0	0	0	27	41	24	17	0	0	0	0	0	0	0	0	0	108
Marsh	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	12	0	0	0	0	0	0	21	0	11	0	0	0	0	0	0	0	44
Paper Birch	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Red Pine	0	0	1	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Tamarack	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Upland Conifers	0	0	0	0	7	15	7	0	0	0	0	0	0	0	0	0	0	0	29
Upland Mixed Forest	0	39	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	6	55
Upland Spruce/Fir	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Water	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
White Pine	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
<b>Total</b>	<b>471</b>	<b>159</b>	<b>146</b>	<b>226</b>	<b>576</b>	<b>51</b>	<b>48</b>	<b>70</b>	<b>47</b>	<b>29</b>	<b>25</b>	<b>15</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>1874</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2021

Acres of Harvest

Compartment 109  
Total Compartment Acres: 1,872

Commercial Harvest - 77  
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
Aspen	16	0	0	0	0	0	0	0	0	16
Cedar	14	0	0	0	0	0	0	0	0	14
Herbaceous Openland	5	0	0	0	0	0	0	0	0	5
Lowland Spruce/Fir	12	0	0	0	0	0	0	0	0	12
Northern Hardwood	11	0	0	0	0	0	0	0	0	11
Paper Birch	3	0	0	0	0	0	0	0	0	3
Upland Conifers	7	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	10	0	0	0	0	0	0	0	0	10
<b>Total</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	77	0	0	0	0	0	0	0	0	77
Next Step	0	0	0	0	0	77	0	0	0	77
<b>Total</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>153</b>



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	Approval Status
14	45108014-Cut	4.1	6122 - Black Spruce	Poetimber Medium	42	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Proposal

**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species 2 inches and greater. Leave 3-10% retention. Winter harvest only.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked Spruce, pine, fir, aspen, and maple.

Regen:

Other cut with stand to the north compartment.

Comment:

Proposed Start Date: 10/1 /2020

2	45109002-Cut	15.9	4137 - Aspen, Birch	Sawtimber Well	87	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest with no retention due to small size. Cut all species 2 inches and greater.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked aspen, maple, fir, white pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

10	45109010-Cut	2.9	4140 - Other Upland Deciduous	Poetimber Well	87	81-110	Harvest	Clearcut	4137 - Aspen, Birch	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species down to 2 inches. Follow bmps for low areas next to stand edge.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen, Maple, Birch, Pine, Fir.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

47	45109047-Cut	10.3	6122 - Black Spruce	Poetimber Well	70	111-140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all species 2 inches and greater. Leave 3-10% retention. Cut in winter due to moist soils.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked Spruce, Fir, Pine, Aspen, Maple, and Cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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	Approval Status
51	45109051-Cut	9.6	4319 - Mixed Upland Forest	Poletimber Well	105	141-170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species down to 2 inches except Hemlock. Leave retention around hemlock clumps. Retention may be more than the 3-10 %  
Specs: depending on number of hemlock clumps.

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

Acceptable Moderate to fully stocked aspen, birch, cedar, fir, hemlock, maple.  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020

54	45109054-Cut	13.9	6120 - Lowland Cedar	Poletimber Medium	98	171-200	Harvest	Clearcut with Retention	6120 - Lowland Cedar	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all species 2 inches and greater. Winter harvest only due to moist soils. Leave 3-10% retention. Treatment size will mostly shrink due to  
Specs: soil conditions. If more then 3-10% of the stand is left, retention will be considered that area. Retention area will be outside the red line.

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

Acceptable Moderate to fully stocked stand of cedar, spruce, fir, aspen and maple.  
Regen:

Other Being mostly a cedar stand this site may take longer to regenerate than within guidelines. However if we are to start regenerating cedar cutting  
Comment: must occur while the ungulate species is at a lower point.

Proposed Start Date: 10/1 /2020

68	45109068-Cut	1.8	6122 - Black Spruce	Poletimber Well	70	141-170	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species 2 inches and greater. Leave 3-10% retention. winter harvest only.  
Specs:

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

Acceptable Moderate to fully stocked Spruce, pine, fir, aspen, and maple.  
Regen:

Other Cut with stand in compartment to the south.  
Comment:

Proposed Start Date: 10/1 /2020

90	45109090-Cut	2.1	310 - Herbaceous Openland	Nonstocked			Harvest	Clearcut	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all species 2 inches and greater at dbh.  
Specs:

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

Acceptable grass.  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020



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	Approval Status
92	45109092-Cut	10.6	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	90	1-50	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Final harvest with no retention due to small size. Leave all white pine unless for operability. Cut all other species down to 2 inches. Leave 5 Big  
Specs: wolffy maples.

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

Acceptable moderate to fully stocked maple, aspen, pine, fir, and spruce.  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020

97	45109097-Cut	6.8	429 - Mixed Upland Conifers	Polettinber Medium	35	81-110	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest leaving no retention due to small size. Cut all species down to 2 inches. Make sure to leave tops bunched together for hare. (Use  
Specs: hare/rabbit spec)

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

Acceptable Moderate to fully stocked Pine, Aspen, Maple, and Fir.  
Regen:

Other Possibly cut in summer for scarification or whole tree skid. When running the line, it could be pushed into stand next door on the east side.  
Comment:

Proposed Start Date: 10/1 /2020

109	45109109-Cut	2.8	310 - Herbaceous Openland	Nonstocked			Harvest	Clearcut	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all species 2 inches and greater.  
Specs:

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

Acceptable Grass  
Regen:

Other  
Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment  
Acreage Proposed: 80.8**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Andrew Krugh : Examiner

Compartment: 109

Year of Entry: 2021

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
840	770	67	2

### Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions							
					5B	5C	2G	3J	5A	5D	5E	
840	770	67	2	Aspen	67			0				2
14	14	0	0	Cedar								
25	25	0	0	Herbaceous Openland								
155	155	0	0	Jack Pine								
4	4	0	0	Low-Density Trees								
19	12	0	7	Lowland Aspen/Balsam Poplar			7					
66	30	5	31	Lowland Conifers		5		24	7			
2	0	0	2	Lowland Mixed Forest			2					
290	193	0	97	Lowland Shrub			8	89				
109	45	5	59	Lowland Spruce/Fir		5	18	0		40		
91	91	0	0	Marsh								
8	0	0	8	Natural Mixed Pines				8				
43	43	0	0	Northern Hardwood								
3	3	0	0	Paper Birch								
34	34	0	0	Red Pine								
4	4	0	0	Sand, Soil								
16	0	0	16	Tamarack						16		
29	29	0	0	Upland Conifers								
55	55	0	0	Upland Mixed Forest								
3	3	0	0	Upland Spruce/Fir								
24	24	0	0	Urban								
31	31	0	0	Water								
9	9	0	0	White Pine								
1,872	1,574	77	221	Total Forested Acres	67	9	35	122	7	56	2	
	84%	4%	12%	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	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 109  
Year of Entry: 2021

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7				
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	89	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5D: Unproductive Forest Land	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5				
Comments:							



## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Andrew Krugh : Examiner

Compartment: 109

Year of Entry: 2021

8	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	67	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Sault Ste. Marie Mgt. Unit**  
**Andrew Krugh : Examiner**

**Compartment: 109**  
**Year of Entry: 2021**

14	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



### 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
Chippewa County Road Commission	Mineral Resource Area	Sand or Gravel Pit	SCA	2
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	4130 - Aspen	Sapling Well	2.8	17	Immature	N/A	Stand was chipped when last harvested. This portion had been removed from proposed harvest after a public meeting was held in Trout Lake on 8-3-01 in which many residents wanted to leave the portion(s) between Huckleberry Road and Carp Lake for a noise and cabin/house proximity buffer. A resident contacted us afterwards and requested we go ahead and do some cutting behind his set of lots. This 3 acre stand was a result.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		6	Sapling	3		Alder		Low	< 5 feet	Tall Shrub
Quaking Aspen		90	Sapling	3	17	Willow spp.		Low	< 5 feet	Tall Shrub
2	4137 - Aspen, Birch	Sawtimber Well	15.9	87	111-140	N/A	Strip between road and residences along Carp Lake. Management discussed at a public meeting last YOE. This portion had been removed from proposed harvest after a public meeting was held in Trout Lake on 8-3-01 in which many residents wanted to leave the portion(s) between Huckleberry Road and Carp Lake for a noise and cabin/house proximity buffer. Aspen and birch are dying out. Will revert to fir if no cutting is done. Acts as a noise and dust barrier. Small creek/ditch runs to lake.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		25	Log	11		Red Maple		Medium	Variable	Sapling
Paper Birch		30	Log/Pole	10		Quaking Aspen		Low	10 - 20 feet	Sapling
Quaking Aspen		35	Log	11	87	Balsam Fir		Full	5 - 10 feet	Sapling
Bigtooth Aspen		6	Log/Pole	11		White Spruce	Low	5 - 10 feet	Sapling	
3	4130 - Aspen	Sapling Well	4.1	17	111-140	N/A	Landing area still open. Chipped during last harvest. Had been old road buffer when the adjacent stand was cut.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		15	Sapling	1		Balsam Fir		Low	< 5 feet	Sapling
Quaking Aspen		83	Sapling	1	17	Alder		Low	< 5 feet	Tall Shrub
						Serviceberry (Juneberry)	Low	< 5 feet	Tall Shrub	
4	4130 - Aspen	Sapling Well	2.3	25	Immature	N/A				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		16	Sapling/Pole	3		Balsam Fir		Low	5 - 10 feet	Sapling
Quaking Aspen		80	Sapling/Pole	3	25	Tamarack		Low	5 - 10 feet	Sapling
						Alder		Low	5 - 10 feet	Tall Shrub
						Willow spp.	Low	< 5 feet	Tall Shrub	
5	4130 - Aspen	Sapling Well	3.3	23	Immature	N/A				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		13	Sapling/Pole	3		Balsam Fir		Low	< 5 feet	Sapling
Quaking Aspen		85	Sapling/Pole	3	23					
6	122 - Road/Parking Lot	Nonstocked	4.3			No	Huckleberry Road.			
7	4136 - Aspen, Mixed Conifer	Sapling Well	12.2	17	Immature	N/A	Some edges with mature timber. Chipped during last harvest. East line runs mainly along powerline.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		20	Sapling	2		Balsam Fir		Medium	< 5 feet	Sapling
Quaking Aspen		47	Sapling	2	17	Serviceberry (Juneberry)		Low	< 5 feet	Tall Shrub
Balsam Fir		14	Sapling	2		Willow spp.		Low	< 5 feet	Tall Shrub
White Pine		6	Pole/Log	9						
Black Cherry		8	Sapling	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
8	622 - Lowland Shrub	Nonstocked	2.5			No																																						
9	500 - Water	Nonstocked	1.9			No																																						
10	4140 - Other Upland Deciduous	Poletimber Well	2.9	87	81-110	N/A																																						
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>22</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>66</td> <td>Pole/Log</td> <td>8</td> <td>87</td> </tr> <tr> <td>Quaking Aspen</td> <td>12</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	22	Pole	8		Paper Birch	66	Pole/Log	8	87	Quaking Aspen	12	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Red Maple	High	10 - 20 feet	Sapling	Balsam Fir	Medium	Variable	Sapling							
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11	622 - Lowland Shrub	Nonstocked	2.2			No																																						
12	4139 - Aspen, Mixed Deciduous	Sapling Well	16.8	25	Immature	N/A	Mixed stand. Nice paper birch regen.																																					
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13	6239 - Mixed Emergent Wetland	Nonstocked	42.1			No																																						
14	4130 - Aspen	Sapling Well	8.4	17	Immature	N/A	Chipped in 2002. Left some white birch clumps and buffered vernal ponds. This portion had been allowed to follow through with proposed harvest after a public meeting was held in Trout Lake on 8-3-01 in which many residents wanted to leave the portion(s) between Huckleberry Road and Carp Lake for a noise and cabin/house proximity buffer. The small stand to the northwest was left for a cabin buffer and buffer around bogs and vernal ponds.																																					
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15	42290 - Natural Mixed Pine	Sawtimber Medium	8.1	80	111-140	N/A	Variable red pine/white pine stand. Some extremities are too difficult access. Narrow pine ridge(s) along marsh.																																					
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16	622 - Lowland Shrub	Nonstocked	70.3			No	Large marsh complex. Scattered trees of various species.																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>17</b>	4137 - Aspen, Birch	Sapling Poor	3.9	8	Immature	N/A	Ridge along south side of Huckleberry Road. Had been used as a screen for cut to the south which was cut in 1992.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	1	8
Balsam Fir	15	Sapling	1	
Paper Birch	20	Sapling	1	
Red Maple	15	Sapling	1	

<b>18</b>	500 - Water	Nonstocked	1.7			No	
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<b>19</b>	622 - Lowland Shrub	Nonstocked	5.5			No	Tag alder, willow with some cedar saps.
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<b>20</b>	6122 - Black Spruce	Poletimber Well	2.9	67	141-170	N/A	Small bog spruce/tamarack stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	55	Pole/Sapling	5	67	Red Maple	Low	10 - 20 feet	Sapling
Tamarack	40	Sapling/Pole	4		Paper Birch	Low	>20 feet	Sapling
					Black Spruce	Medium	Variable	Sapling
					Tamarack	Medium	Variable	Sapling
					Nannyberry	Low	< 5 feet	Tall Shrub
					Alder	Low	< 5 feet	Tall Shrub

<b>21</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	6.5	120	111-140	N/A	Transition ground. Nice hemlock grove on western portion. Transitions into cedar/birch pole stand towards northern end. Cedar where wetter. Swales. Nice walking trails visible and had been maintained. Good diverse stand to leave.
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Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	10	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	6	Log/Pole	10		Hemlock	Low	>20 feet	Sapling
Northern White Cedar	40	Log/Pole	10	120				
White Pine	20	Log/XLog	16					

<b>22</b>	6121 - Tamarack	Poletimber Poor	15.7	63	1-50	N/A	This stand is wet with a patchy canopy. leave stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	55	Pole	6	63
Black Spruce	15	Pole	6	
Paper Birch	10	Pole	6	
Red Maple	10	Pole	6	
Northern White Cedar	10	Pole	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
23	4130 - Aspen	Sapling Well	26.6	27	Immature	N/A	Stand was chipped during last harvest. Regenerating nicely.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Sapling	2		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen		65	Sapling	3	27	Balsam Fir	Medium	5 - 10 feet	Sapling
Bigtooth Aspen		10	Sapling	3		White Spruce	Low	10 - 20 feet	Sapling
Balsam Fir		6	Sapling/Pole	4		White Pine	Medium	10 - 20 feet	Sapling
24	710 - Sand, Soil	Nonstocked	1.5			No	Old sand pit. Periodically floods when water table is high. ORV's like to use pit. ORV problems again on east side of Carp River T. T. Need to block hillclimbs again.		
25	429 - Mixed Upland Conifers	Sawtimber Well	4.6	55	111-140	N/A	Buffer for carp river		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
White Spruce		15	Log/Pole	10					
Paper Birch		25	Log	12					
Jack Pine		30	Pole/Log	9	55				
Balsam Fir		15	Log/Pole	10					
White Pine		15	Log	13					
26	4130 - Aspen	Sapling Well	4.5	25	Immature	N/A	Nnarrow arm out into marsh.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		23	Sapling	4		Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen		60	Sapling	4	25	Balsam Fir	Medium	5 - 10 feet	Sapling
Bigtooth Aspen		6	Sapling	4		Willow spp.	Medium	< 5 feet	Tall Shrub
27	622 - Lowland Shrub	Nonstocked	16.8			No			
28	623 - Emergent Wetland	Nonstocked	13.0			No	Seasonally high water table.		
29	42340 - Upland Spruce/Fir	Sapling Well	3.4	27	Immature	N/A	Cut through when adjacent aspen stand was cut. Partially an old opening filling in over the years.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		6	Sapling	3		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir		45	Sapling/Pole	4	27	Balsam Fir	Medium	Variable	Sapling
White Spruce		35	Sapling/Pole	4		White Spruce	Low	Variable	Sapling
White Pine		10	Pole/Sap/Log	6		White Pine	Low	Variable	Sapling
30	6122 - Black Spruce	Poletimber Well	3.7	68	141-170	N/A	Black spruce, tamarack and white pine. Narrow fingery stand in middle of large marsh complex.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Black Spruce		65	Pole/Sapling	5	68				
White Pine		22	Log/XLog	14					
Tamarack		10	Pole	5					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
31	500 - Water	Nonstocked	8.9			No	Marsh pond. Water fluctuates seasonally.																																										
32	4134 - Aspen, Spruce/Fir	Sapling Well	2.9	13	Immature	N/A	Cut in 2006.																																										
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33	4136 - Aspen, Mixed Conifer	Sapling Well	16.1	5	Immature	N/A	Rolling hills with motorcycle trail thru. Semi open areas too. 4-wheelers using trail. Cut in 2014 Aim High Mix 45-115-10-01.																																										
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34	622 - Lowland Shrub	Nonstocked	7.8			No	Tag alder, willow, leatherleaf. Seasonally high water table.																																										
35	4130 - Aspen	Sapling Well	20.3	17	Immature	N/A	Motorcycle trail thru stand. Being ridden on by 4-wheelers (at least from the sand pit south to where trail nears Carp River Truck Trail. Includes buffer left along marshes. This stand was chipped during last cutting. Regenerating nicely.																																										
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36	622 - Lowland Shrub	Nonstocked	2.6			No	Tag alder, willow, leatherleaf. Seasonally high water table.																																										
37	4319 - Mixed Upland Forest	Sapling Well	5.8	5	Immature	N/A	Cut in 2014 Aim High Mix 45-115-10-01.																																										
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<b>38</b>	4115 - Y.Birch, Hemlock NH	Sapling Well	11.9	5	Immature	N/A	Very mixed stand. Fairly low quality. Several hemlock groves. . Motorcycle trail through stand. Cut in 2014 Aim High Mix 45-115-10-01.																																				
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<b>40</b>	429 - Mixed Upland Conifers	Poletimber Medium	12.5	42	51-80	N/A	Motorcycle trail through stand. Multi aged stand. Old opening that has been filling in, but some cutting had been done in the past.																																				
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<b>42</b>	622 - Lowland Shrub	Nonstocked	2.6			No	Leatherleaf bog.																																				
<b>43</b>	4130 - Aspen	Sapling Well	45.9	25	171-200	N/A																																					
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<b>44</b>	6112 - Lowland Aspen	Sapling Well	6.8	5	Immature	N/A	Low, transitionally wet ground. Was cut in 2014 Aim High Mix 45-115-10-01.																																				
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<b>46</b>	623 - Emergent Wetland	Nonstocked	27.4			No	Large marsh area.																																				
<b>47</b>	6122 - Black Spruce	Poletimber Well	10.3	70	111-140	N/A																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
48	622 - Lowland Shrub	Nonstocked	88.9			No	Carp River flows thru. scattered pockets to red maple aspen and birch.																																																	
49	6122 - Black Spruce	Poletimber Medium	5.1	78	141-170	N/A	Boggy stand. Good diversity.																																																	
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50	622 - Lowland Shrub	Nonstocked	1.4			No	Leatherleaf bog.																																																	
51	4319 - Mixed Upland Forest	Poletimber Well	9.6	105	141-170	N/A	Quite the hodge-podge stand. Cedar dominates in spots; hemlock grove; birch, maple, spruce in other areas.																																																	
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52	4130 - Aspen	Sapling Medium	12.1	17	Immature	N/A	Motorcycle trail thru. Includes some mature timber along edges. Was chipped during last harvest.																																																	
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53	622 - Lowland Shrub	Nonstocked	4.3			No																																																		
54	6120 - Lowland Cedar	Poletimber Medium	13.9	98	171-200	N/A	pockets of C3/C6. Unbelievable cedar regen!																																																	
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55	310 - Herbaceous Openland	Nonstocked	2.2			No	Small upland opening. Some scattered trees/clumps.																																																	
56	500 - Water	Nonstocked	8.1			No	Johnson Lake																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
57	4130 - Aspen	Sapling Well	4.7	27	201+	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		80	Sapling	2	27	Red Pine	Low	5 - 10 feet	Sapling
Red Pine		8	Log	14		Jack Pine	Low	10 - 20 feet	Sapling
58	6122 - Black Spruce	Poletimber Poor	4.8	45	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Red Pine		20	Pole/Log	9					
White Pine		25	Log/Pole	11					
Black Spruce		55	Pole	7	45				
59	6125 - Lowland Black Spruce, Jack Pine	Sapling Well	24.2	67	81-110	N/A	Treed bog. Some areas of mature timber. Surrounds Johnson Lake.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		31	Sapling/Pole	3	67	Black Spruce	Low	5 - 10 feet	Sapling
Tamarack		20	Sapling/Pole	3		Tamarack	Low	5 - 10 feet	Sapling
White Pine		29	Pole/Sap/Log	6		Jack Pine	Low	5 - 10 feet	Sapling
Jack Pine		20	Pole/Sapling	6	67				
60	710 - Sand, Soil	Nonstocked	2.0	0		No	scramble area		
61	6127 - Lowland Pine	Sawtimber Well	4.7	102	81-110	N/A	Sits in a bowl. Low ground white pine, black spruce and tamarack. leave for age and size class diversity.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		12	Pole	7		Red Maple	Medium	Variable	Sapling
Black Spruce		10	Pole	7		Black Spruce	Low	Variable	Sapling
Tamarack		15	Pole	8		Tamarack	Low	Variable	Sapling
White Pine		56	Log/XLog/Pole	14	102	White Pine	Medium	>20 feet	Sapling
						Nannyberry	Medium	5 - 10 feet	Tall Shrub
62	4130 - Aspen	Sapling Well	9.3	10	Immature	N/A	Motorcycle trail thru stand. Cut in 2009.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Sapling	1		Red Maple	Low	Variable	Sapling
Paper Birch		15	Sapling	1		Paper Birch	Low	>20 feet	Sapling
Bigtooth Aspen		60	Sapling	1	10	Balsam Fir	High	Variable	Sapling
White Pine		10	Log/XLog/Pole	14		White Pine	Low	Variable	Sapling
63	4130 - Aspen	Sapling Well	5.7	6	Immature	N/A	Stand cut in 2013.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Bigtooth Aspen		93	Sapling	1	6				
64	622 - Lowland Shrub	Nonstocked	6.5			No	If this stand ever converts to forested, site condition it as unproductive forest. 57 year old black spruce was 5 inches at dbh		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>65</b>	4130 - Aspen	Sapling Well	39.2	27	Immature	N/A	Beautiful aspen stand. Chipped during last harvest. Scattered red oak standing.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		8	Sapling	3		White Pine		Low	< 5 feet	Sapling
Bigtooth Aspen		65	Sapling	3	27	Jack Pine		Low	< 5 feet	Sapling
<b>66</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Poor	1.7	85	1-50	N/A	to wet and trees to sparse to cut			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Red Maple		55	Log/Pole	10	85	Tag Alder	Full	5 - 10 feet	Tall Shrub	
Northern White Cedar		45	Log/Pole	10						
<b>67</b>	4133 - Aspen, Mixed Pine	Sapling Well	17.4	6	Immature	N/A	Oak seedlings present. Stand was cut in 2013. Oak, red pine and white were left.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Paper Birch		8	Sapling	1	6					
Bigtooth Aspen		66	Sapling	1	6					
Red Pine		10	Pole/Log	9						
Jack Pine		12	Sapling	1						
<b>68</b>	6122 - Black Spruce	Poletimber Well	1.8	70	141-170	N/A	Boggy stand. Majority of stand in compartment to the south.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Black Spruce		75	Pole/Sapling	6	70	Black Spruce	Medium	Variable	Sapling	
Tamarack		25	Pole/Sapling	6		Gray Dogwood	Medium	< 5 feet	Tall Shrub	
						Nannyberry	Medium	< 5 feet	Tall Shrub	
<b>69</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	67.3	38	111-140	N/A	leave for at least one more cycle. Occasional red pine and jack pine.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Red Maple		18	Pole/Sapling	5		Red Maple	Medium	Variable	Sapling	
Paper Birch		10	Pole/Sapling	5		White Pine	Low	Variable	Sapling	
Quaking Aspen		52	Pole/Sapling	6	38	Black Cherry	Medium	Variable	Sapling	
White Pine		8	Pole/Log/Sap	7		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub	
						Serviceberry (Juneberry)	Low	Variable	Tall Shrub	
<b>70</b>	622 - Lowland Shrub	Nonstocked	3.2			No	Leatherleaf bog.			
<b>71</b>	623 - Emergent Wetland	Nonstocked	1.2			No	Small open area surrounded by young aspen stands. Oaks nearby. Lowland/upland.			
<b>72</b>	4136 - Aspen, Mixed Conifer	Sapling Well	2.0	20		N/A	Area had been thinned with stand in compartment to the south. This area didn't have as much red pine, so is mainly an aspen stand. Some red pine seedlings/saplings have seeded in.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Quaking Aspen		67	Sapling	1	20	White Spruce	Low	< 5 feet	Sapling	
Red Pine		8	Log	13						
Red Pine		15	Sapling	1						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>73</b>	42110 - Planted Red Pine	Sapling Well	1.0	14	Immature	N/A	Part of larger plantation to the south. Clearcut in 2003; burned 6-21-05; planted 5-18-06. Part of Borderline Bear. FTP C44-520.																																					
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<b>74</b>	622 - Lowland Shrub	Nonstocked	1.8			No	Leatherleaf bog.																																					
<b>75</b>	6122 - Black Spruce	Poletimber Poor	7.4	45	1-50	N/A																																						
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<b>76</b>	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	5.8	64	51-80	N/A	Bog filling in. Larger trees along edge. Lab tea and blueberry. Check stand in 40 years.																																					
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<b>77</b>	6122 - Black Spruce	Sapling Medium	40.5	58	81-110	N/A	Surrounds Huckleberry Lake.																																					
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<b>78</b>	4130 - Aspen	Sapling Well	19.0	27	Immature	N/A	Nice aspen stand. Obvious deer trails thru stand. Chipped during last harvest.																																					
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<b>79</b>	500 - Water	Nonstocked	10.2			No	Huckleberry Lake																																					
<b>80</b>	4134 - Aspen, Spruce/Fir	Sapling Well	24.9	5	Immature	N/A	Cut in 2014 Aim High Mix 45-115-10-01																																					
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<b>81</b>	4130 - Aspen	Sapling Well	44.4	17	Immature	N/A	Large beech left for wildlife. Several red oaks near north end. Some larger aspen left along steep hillsides. Was chipped during last harvest. A couple red oaks found near northern end by small bog/opening.																																															
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<b>82</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.8	78	51-80	N/A	Has some potential where sugar maple is present. There are pockets of low quality red maple with paper birch; and balsam understory heavy here. The beech and and birch are and have died out.																																															
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<b>83</b>	310 - Herbaceous Openland	Nonstocked	2.8			No	almost converted to an a2 stand. This stand will mostlikely become an aspen stand next cycle.																																															
<b>84</b>	4133 - Aspen, Mixed Pine	Sapling Well	29.0	17	Immature	N/A	White pine with some red pine, cedar and hemlock left from cut. Nice mix of regen. Was chipped during last harvest.																																															
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<b>85</b>	310 - Herbaceous Openland	Nonstocked	3.1			No	Nice open area. Areas of grasses, areas of blueberry,, and patches of raspberry.																																															
<b>86</b>	4130 - Aspen	Sapling Well	65.6	37	171-200	N/A	Occassioal red oak.																																															
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<b>88</b>	4311 - Pine, Aspen Mix	Sapling Medium	7.5	6	Immature	N/A	Cut in 2013 red pine and white pine left.																																													
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<b>89</b>	6126 - Lowland Jack Pine	Sapling Medium	11.2	6	Immature	N/A	Stand cut in 2013. White pine left.																																													
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<b>91</b>	330 - Low-Density Trees	Nonstocked	4.2			No	Cherry, juneberry and blueberry mostly. Scattered other trees including jack pine, aspen.																																													
<b>92</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	10.6	90	1-50	N/A	Semi-open between red maple clumps. Multi-stemmed; not high quality.																																													
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<b>93</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	49.0	34	Immature	N/A	Some low ground within stand.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
94	622 - Lowland Shrub	Nonstocked	3.1			No	Some scattered trees along west line.																																											
95	42110 - Planted Red Pine	Poletimber Well	32.7	35	81-110	N/A	ht=35', 37'. Plantation history: Planted 1980 - failed due to infected nursery stock (Lophoderium). Planted 1982 - failed due to drought on 1983 and poor stock. Planted 1984. timber sale 45-114-16 Ralph Pine cut in 4/18 third row thinned.																																											
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96	4130 - Aspen	Sapling Well	22.1	23	201+	N/A	Nice aspen stand!																																											
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97	429 - Mixed Upland Conifers	Poletimber Medium	6.8	35	81-110	N/A	Variable density and size. Was cut through in 1984, but was probably variable density and size then too. Dry site with blueberry patches. When putting line in the east end of stand could be pushed further into stand next door, to grab larger aspen.																																											
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98	4319 - Mixed Upland Forest	Sapling Medium	17.3	6	Immature	N/A	Stand was cut in 2013. Red pine and white pine were left.																																											
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99	4130 - Aspen	Poletimber Well	64.2	37	201+	N/A	Beautiful aspen stand! Some spruce and balsam in understory, but can't quite reach the overstory. Lots of garbage dumped along road and opening. Some mature timber in southwest corner. Good for diversity. USFS land on east side.																																											
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100	622 - Lowland Shrub	Nonstocked	4.3			No	Power line ROW just south of H-40.																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
<b>101</b>	6112 - Lowland Aspen	Poletimber Poor	7.2	45	51-80	N/A	Strip between H-40 and power line ROW. Super wet stand need hip boots to inventory																																				
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<b>102</b>	4130 - Aspen	Sapling Well	3.8	23	Immature	N/A	Was a buffer left along M-123 that was cut in 1996.																																				
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<b>103</b>	6122 - Black Spruce	Sapling Poor	14.5	48	1-50	N/A	Some scattered trees - black spruce, tamarack. Boggy in areas.																																				
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<b>104</b>	122 - Road/Parking Lot	Nonstocked	3.3			No	M-123																																				
<b>105</b>	4134 - Aspen, Spruce/Fir	Sapling Medium	8.6	21	Immature	N/A	Very mixed stand with varying densities. Some older edges left partially uncut. USFS line to the east.																																				
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<b>106</b>	4311 - Pine, Aspen Mix	Sapling Well	8.3	6	Immature	N/A	Stand cut in 2013.																																				
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<b>107</b>	622 - Lowland Shrub	Nonstocked	32.3			No	Bog with some trees within - tamarack, jack pine, etc.																																				



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108	6129 - Mixed Coniferous Lowland Forest	Sapling Well	24.4	35	81-110	N/A	wait for smaller Tamarack to mature then make cut																																																															
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109	310 - Herbaceous Openland	Nonstocked	2.8			No	Starting to fill in.																																																															
110	623 - Emergent Wetland	Nonstocked	7.9		Immature	No																																																																
111	6112 - Lowland Aspen	Sapling Medium	5.0	21	Immature	N/A	Very mixed stand with varying densities. USFS line to the east.																																																															
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112	622 - Lowland Shrub	Nonstocked	2.9		Unspecified	No	may have been cut in '82																																																															
113	310 - Herbaceous Openland	Nonstocked	2.2			No	Opening is filling in.																																																															
114	310 - Herbaceous Openland	Nonstocked	2.9			No	Dry opening used as a decking area. spruce along edge; jack pine (apple jack) scattered, as well as a twin red pine. Also used as a dumping grounds - garbage and brush.																																																															
115	4132 - Aspen, Jack Pine	Sapling Well	98.4	35	171-200	N/A	Mixed and variable stand, but nice regeneration. Some lower areas along eastern and southeastern end.																																																															
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<b>116</b>	4130 - Aspen	Sapling Well	21.9	7	Immature	N/A	Stand was cut in December of 2012.																																													
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Bigtooth Aspen	32	Sapling	1																																																	
<b>117</b>	6126 - Lowland Jack Pine	Sapling Well	143.8	35	111-140	N/A	Bog jack pine mainly. Some upland sand ridges. Some semi-open bog areas. Variable size jack pine. Some areas of older jack pine (7" dbh average). Reference in the old notes/timber sale regarding a burn. Maybe a fire in 1963? The older areas regenerated from the fire and the younger areas had survived the fire, but were cut in 1984. There are old firelines throughout the stand.																																													
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<b>118</b>	310 - Herbaceous Openland	Nonstocked	6.7			No	Opening along Huckleberry Road. Includes open old RR grade to the south of Huckleberry Road. USFS land to the east.																																													
<b>119</b>	4132 - Aspen, Jack Pine	Sapling Well	23.7	36	201+	N/A	Nice aspen stand. Blueberry ground cover.																																													
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<b>120</b>	622 - Lowland Shrub	Nonstocked	8.0			No	Watch movie Water world and you will know what this stand looks like.																																													
<b>121</b>	4319 - Mixed Upland Forest	Sawtimber Well	6.3	80	141-170	N/A																																														
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<b>122</b>	6122 - Black Spruce	Sapling Well	17.8	65	51-80	N/A	old comments-Small corner cut with adjacent compartment to the south. Very wet. Cut what they could. Some residual trees left.																																													
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<b>123</b>	4133 - Aspen, Mixed Pine	Sawtimber Well	2.1	45	81-110	N/A	Stand to west was cut in 2014 Aim High Mix 45-115-10-01. This stand is retention for stand to west.																																																															
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<b>124</b>	42200 - Natural White Pine	Sawtimber Poor	8.6	75	51-80	N/A	Rolling hills with motorcycle trail thru. Semi open areas too. 4-wheelers using trail. Cut in 2014 Aim High Mix 45-115-10-01.																																																															
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<b>125</b>	429 - Mixed Upland Conifers	Poletimber Medium	2.3	50	1-50	N/A	Cut in 2006.																																																															
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<b>126</b>	429 - Mixed Upland Conifers	Poletimber Medium	2.4	48	51-80	N/A																																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> <td>Red Maple</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Sapling/Pole</td> <td>4</td> <td></td> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>21</td> <td>Pole/Sapling</td> <td>6</td> <td></td> <td>Jack Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>38</td> <td>Pole/Sapling</td> <td>6</td> <td>48</td> <td>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	Quaking Aspen	10	Sapling/Pole	4		Red Maple	High	5 - 10 feet	Sapling	Bigtooth Aspen	20	Sapling/Pole	4		Red Pine	Low	5 - 10 feet	Sapling	Jack Pine	21	Pole/Sapling	6		Jack Pine	Low	10 - 20 feet	Sapling	Black Spruce	38	Pole/Sapling	6	48	Black Cherry	Low	5 - 10 feet	Sapling																		
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<b>127</b>	6229 - Mixed lowland shrub	Nonstocked	1.7	0		4319 - Mixed Upland Forest	Cut in 2014 Aim High Mix 45-115-10-01																																																															
<b>128</b>	622 - Lowland Shrub	Nonstocked	10.4			No	Bog with some trees within - tamarack, jack pine, etc.																																																															
<b>129</b>	122 - Road/Parking Lot	Nonstocked	13.7		Immature	Managed Opening	Snowmobile grade																																																															
<b>135</b>	122 - Road/Parking Lot	Nonstocked	3.0		Unspecified	No																																																																