



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54094

Entry Year 2023

Acreage: 1,218

County Alpena

Management Area: Alpena Lake Plain

**Revision Date:** 2021-05-20

**Stand Examiner:** Dale Parris

## Legal Description:

T31N R05E Sections 11, 13, 14, 23, and 24; T31N R06E Sections 18

## Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Alpena Lake Plains Management Area (ALPMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The most prevalent covertypes in the ALPMA for the 2023 Year of Entry (YOE) are the lowland deciduous, lowland aspen, upland aspen, and lowland coniferous covertypes. As such, for the purpose of balancing the age class acre distributions of these covertypes across the Management Area (MA), forest management during the 2023 YOE in the ALPMA will focus on these covertypes. Wildlife, recreation, aesthetics, adjacent stands and the larger landscape were considered in all management decisions.

## Soil and topography:

Compartment 94 is composed of soils that have poor drainage. The Tacoda-Wakeley complex (very poorly drained, somewhat poorly drained) makes up around 50 percent of the soils present. To the northwest, about a quarter of the compartment is composed of the Deford muck (very poorly drained) and the Au Gres-Deford complex (somewhat poorly drained, very poorly drained) soils. The frequently flooded Thunderbay very fine sandy loam soil forms the flood plain and banks surrounding the Thunder Bay river that runs the length of Compartment 94 along its southern edge.

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

Compartment 94 is adjacent to more state land to the west. The remainder of Compartment 94 is surrounded by large acreage recreational properties and farmland.

## Unique Natural Features:

The Alpena to Hillman Connector Trail runs east-west through the southern area of Compartment 94. This trail sits on an old railroad grade. The Thunder Bay River and various creeks and drainages also run through the southern half of the compartment. Compartment 94 is mainly composed of lowland deciduous forest.

## Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have areas of concern within Compartment 94.

## Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 4 species historically being in and near Compartment 94 that require consideration when implementing forest management strategies. The first 3 of these species are the Red-shouldered hawk (*Buteo lineatus*; state threatened species), rainbow (a mussel - *Villosa iris* Lea, state special concern species), and Male fern (*Dryopteris filix-mas*, state special concern species). The fourth species is the Great Blue Heron (*Ardea herodias*) that, while not a threatened or endangered species, has been known to historically have a rookery in the area near Compartment 94.

The Natural Heritage Database (NHD) had no record of Ecological Reference Area (ERA), Special Conservation Area (SCA) or High Conservation Value Area occurrences in Compartment 94.

## Watershed and Fisheries Considerations:

## Wildlife Habitat Considerations:

## Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is two miles to the southeast. The compartment consists mostly of lowlands that appear to be dominated by wetlands. Sand & gravel potential in the compartment seems limited. Bedrock limestone appears too deep here to have significant economic value. There is no known potential for hydrocarbon production from proven

formations, and there are no active State mineral leases in the compartment. The Antrim Shale is likely too thin or absent beneath the compartment. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

#### **Vehicle Access:**

Compartment 94 has limited vehicle access to its interior. Access to the railroad grade is restricted to administrative vehicle use only. Hunters are required to access the western portion of Compartment 94 on foot from Salina Road or from the west end of Eagling Road. The portion of Compartment 94 that is east of Salina Road can be accessed via a short one-eighth of a mile forest road that terminates at the north edge of the Thunder Bay River. From there, recreationists can go further on foot.

#### **Survey Needs:**

For the purpose of conducting timber sales and maintaining legal private/state land boundary posting locations, there may be a need for property line surveys within Compartment 94. Further investigation will be needed to determine the extent to which these surveys are required.

#### **Recreational Facilities and Opportunities:**

Snowmobile Trial #4 runs the length of the portion of Compartment 94 west of Salina road. This portion of the trail sits on the retired D & M Railroad grade and is only open to snowmobile traffic from December 31 to March 30. This trail, also known as the Alpena to Hillman Connector Trial, is otherwise gated and only open to authorized traffic.

Hunting opportunities are available within Compartment 94 in season with a valid license. Fishing and wildlife viewing opportunities are also present. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters and anglers.

#### **Fire Protection:**

Fire protection to Compartment 94 is provided through the Atlanta and Alpena DNR Offices as well as the Long Rapids Township Fire Department. The cover types throughout this compartment make these grounds a low fire risk for intense wildland fire.

#### **Additional Compartment Information:**

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

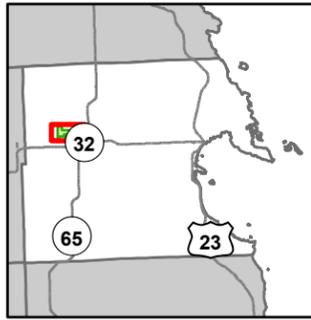
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

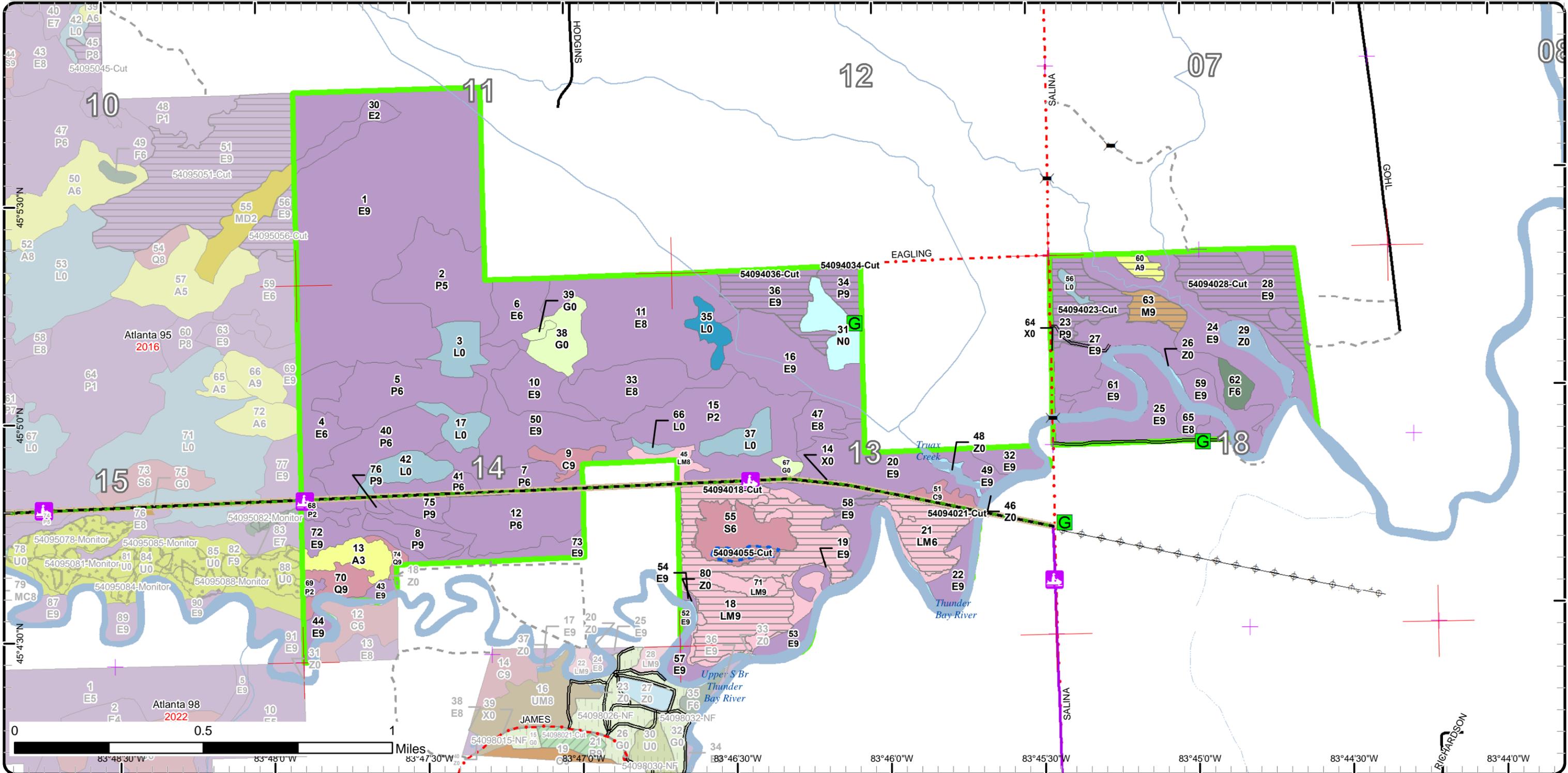
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

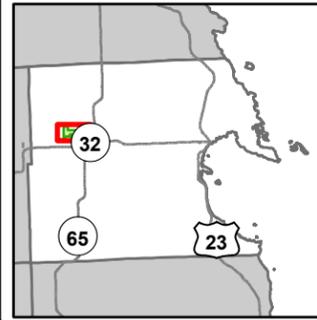
Compartment: 94  
 T31N, R05E, Sec. 11, 13, 14, 23, 24  
 T31N, R06E, Sec. 18  
 County: Alpena  
 Unit: Atlanta  
 Mgmt Area: Alpena Lake Plain  
 YOE: 2023  
 Acres: 1218 GIS Calculated  
 Examiner: Dale Parris  
 Map Revised: 10/7/2021  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Ⓜ Snowmobile Trails
- - - Designated Hiking Trails
- - - Designated Bicycle Trails
- - - Designated Multi-Use Trails
- - - Designated Snowmobile Trails
- Designated RailTrail
- ▲ Berms
- G Gate
- ✕ Bridges
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ⊕ Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

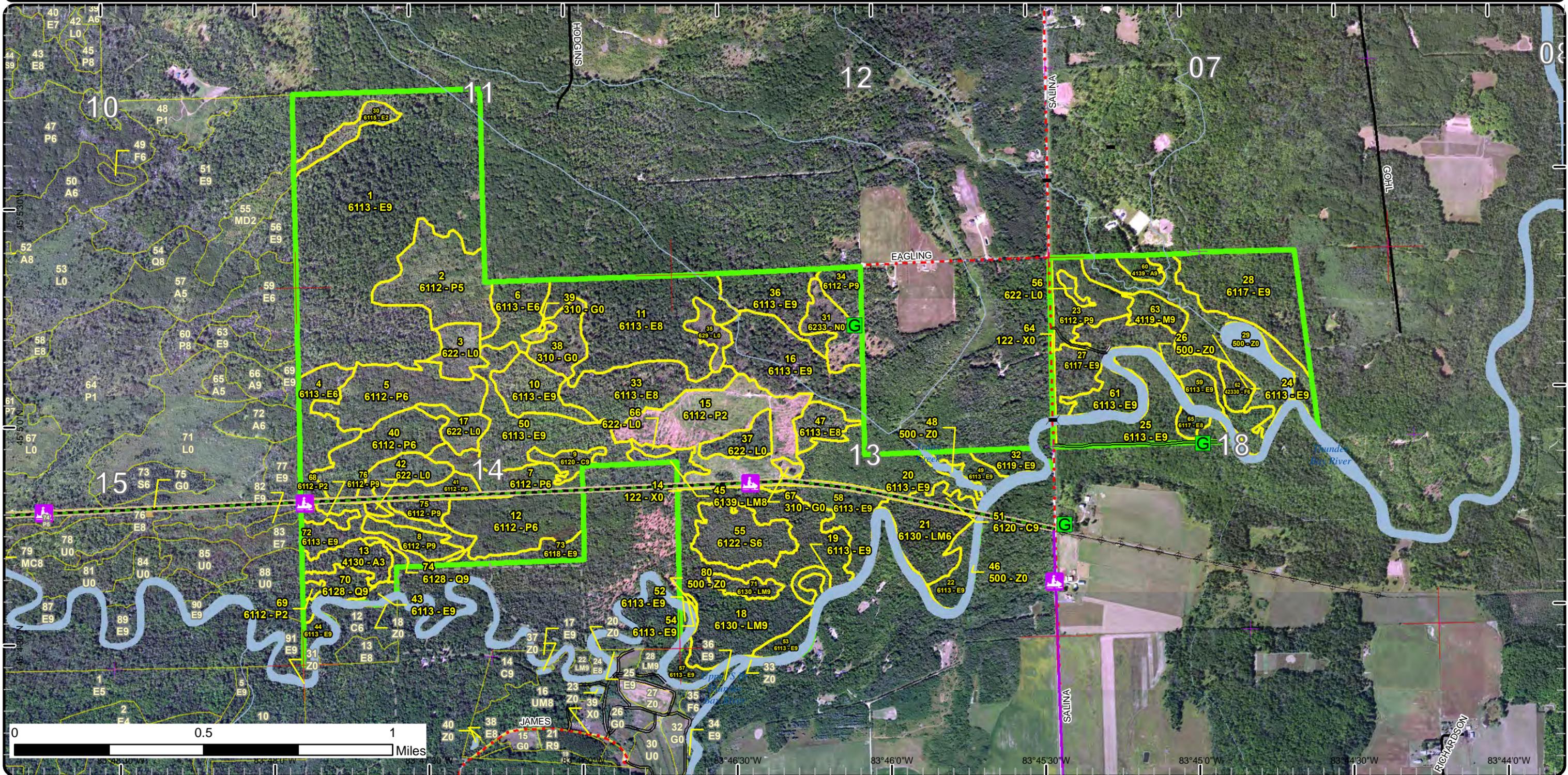


# Stand Boundary Map



Compartment: 94  
 T31N, R05E, Sec. 11, 13, 14, 23, 24  
 T31N, R06E, Sec. 18  
 County: Alpena  
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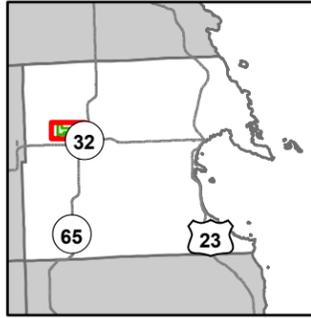
- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>— Miris Corners</li> <li>— Remonumented Section Corners</li> <li>— Counties</li> <li>— DNR - Secondary Forest Road</li> <li>— Federal / State / County - Paved Road</li> <li>— County - Gravel Road</li> <li>— Private - Dirt / Gravel Road</li> <li>— Snowmobile Trails</li> <li>— Designated Hiking Trails</li> <li>— Designated Bicycle Trails</li> <li>— Designated Multi-Use Trails</li> <li>— Designated Snowmobile Trails</li> <li>— Designated RailTrail</li> <li>— Berms</li> </ul> | <ul style="list-style-type: none"> <li>G Gate</li> <li>— Bridges</li> <li>— Intermittent Stream</li> <li>— Lake/Pond</li> <li>— Perennial River</li> <li>— Lakes and Rivers</li> <li>— Powerline</li> <li>— Compartment Boundary</li> <li>— Stand Boundaries</li> <li>411 - Northern Hardwood</li> <li>413 - Aspen</li> <li>423 - Other Upland Conifers</li> <li>611 - Lowland Deciduous Forest</li> <li>612 - Lowland Coniferous Forest</li> <li>613 - Lowland Mixed Forest</li> </ul> | <ul style="list-style-type: none"> <li>122 - Roads/Parking Lot</li> <li>310 - Herbaceous Openland</li> <li>500 - Water</li> <li>622 - Lowland Shrub</li> <li>623 - Emergent Wetland</li> <li>629 - Mixed Non-forested Wetland</li> </ul> |
|---|---|--|



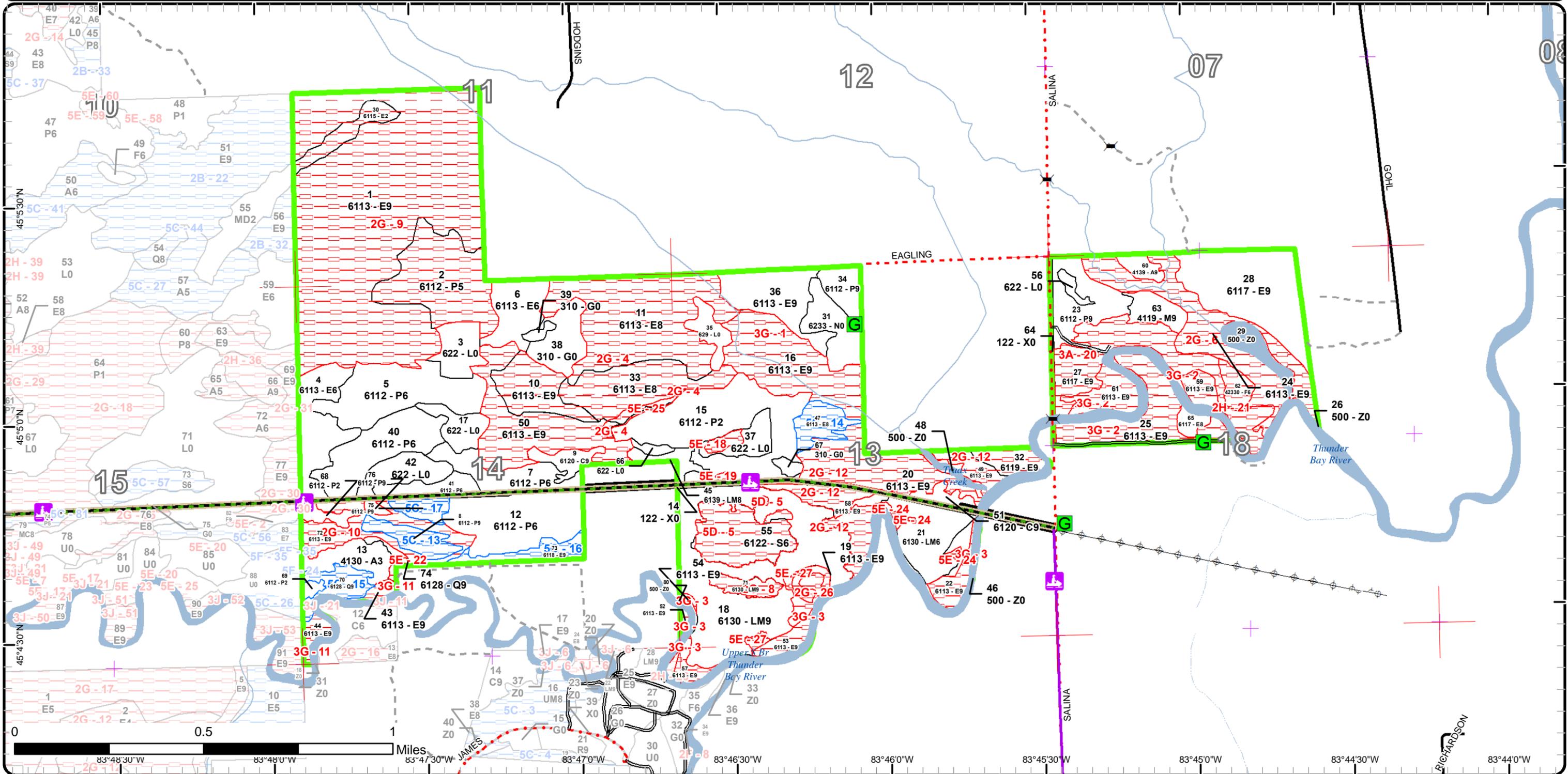
83°46'30"W 83°46'00"W 83°45'30"W 83°45'00"W 83°44'30"W 83°44'00"W

# Special Conservation Areas

Compartment: 94  
 T31N, R05E, Sec. 11, 13, 14, 23, 24  
 T31N, R06E, Sec. 18  
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 Unit: Atlanta  
 Mgmt Area: Alpena Lake Plain  
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- Miris Corners
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  - Counties
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  - Designated RailTrail
  - ▲ Berms
  - G Gate
  - ✕ Bridges
  - Intermittent Stream
  - Lake/Pond
  - Perennial River
  - Lakes and Rivers
  - + Powerline
  - Compartment Boundary
  - Available w/ Constraints
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
  - Unavailable
  - 2G: Too wet (sensitive soils, does not include access issues)
  - Stand Boundaries
  - SCA
  - Rail-Trail Corridor
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  
 3A: Conservation Values incompatible with harvest at this time  
 3G: Other Influence zones - See comments  
 5D: Unproductive Forest Land  
 5E: Long-Term Retention



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	10	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	14
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Herbaceous Openland	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Aspen/Balsam Poplar	0	52	0	0	98	62	0	0	14	0	0	8	0	0	0	0	0	0	234
Lowland Conifers	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Lowland Deciduous	0	0	8	0	20	0	14	0	0	46	40	531	10	26	0	0	0	0	695
Lowland Mixed Forest	0	0	0	0	0	0	0	19	5	0	79	0	0	0	0	0	0	0	102
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Spruce/Fir	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	21
Marsh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
<b>Total</b>	<b>121</b>	<b>62</b>	<b>8</b>	<b>0</b>	<b>118</b>	<b>62</b>	<b>18</b>	<b>45</b>	<b>26</b>	<b>57</b>	<b>119</b>	<b>539</b>	<b>19</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1219</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 94

Total Compartment Acres: 1,218

Commercial Harvest - 170  
 Harvests with Site Condition - 3  
 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	4	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	25	0	0	0	0	0	0	0	0	25
Lowland Deciduous	56	0	0	0	0	0	0	0	0	56
Lowland Mixed Forest	79	0	0	0	0	0	0	0	0	79
Lowland Spruce/Fir	3	0	0	0	0	0	0	0	0	3
Northern Hardwood	7	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>173</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>173</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	173	0	0	0	0	0	0	0	0	173
Next Step	0	0	0	0	0	173	0	0	0	173
<b>Total</b>	<b>173</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>347</b>



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

<b>23</b>	<b>54094023-Cut</b>	17.0	6112 - Lowland Aspen	Sawtimber Well	48	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Protect the sparse amounts of pine, spruce, and swamp white oak regeneration to promote future stand diversity.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium to well stocked stand of aspen, red maple, paper birch, balsam fir, spruce, oak, and/or pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

<b>28</b>	<b>54094028-Cut</b>	35.5	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	91	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u></p> <p>Do not cut the sparse amount of pine.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium to low stocking of red maple, aspen, balsam fir, paper birch, spruce, oak, and/or pine.</p> <p><u>Other Comment:</u></p> <p>The harvest acreage may be substantially reduced to due to the presence of wet areas and areas with low timber volume.</p> <p>Private access is necessary for harvesting this stand.</p> <p>The fisheries biologist has approved the prescription notes and stand boundaries as they relate to the pond area to the south and the Thunder Bay River.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

<b>34</b>	<b>54094034-Cut</b>	7.8	6112 - Lowland Aspen	Sawtimber Well	108	1-50	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <p>Retention is not necessary due to the small size of the stand.</p> <p>Protect all white spruce regeneration.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium stocked stand of aspen, red maple, paper birch, balsam fir, and/or white spruce.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
36	54094036-Cut	20.3	6113 - Lowland Maple	Sawtimber Well	107	111-140	Harvest	Clearcut with Retention	6113 - Lowland Maple	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium stocked mix of red maple, aspen, and other native tree species.</p> <p><u>Other Comment:</u> There may be a drainage at the eastern edge of the stand that should be addressed with EAGLE for a permit. The southeast corner of the stand would be a good place for retention.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
60	54094060-Cut	3.7	4139 - Aspen, Mixed Deciduous	Sawtimber Well	57	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear cut.</p> <p><u>Specs:</u> Protect all swamp white oak and all white spruce regeneration to promote future stand diversity.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium to well stocked mix of aspen, red maple, paper birch, spruce, and/or oak.</p> <p><u>Other Comment:</u> The Swamp White Oak is mainly along the outside edges of the stand. Access will likely need to be gained from the neighbor to the north. Unless access is needed to harvest the stand to the east, it is likely not worth getting private access to harvest only 3.7 acres.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
63	54094063-Cut	7.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	74	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u> Retention is not necessary due to the small size of the stand. Protect the White Pine Legacy trees.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium stocked stand of red maple, aspen, pine, spruce, paper birch, balsam fir, and/or oak.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

**Approved Treatments:**

18	54094018-Cut	62.8	6130 - Fir, Aspen, Maple	Sawtimber Well	94	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Do not cut any white pine and protect white pine regeneration to promote future stand diversity. Include specs to protect the snowmobile trail and its users. Move the harvest boundary away from the Thunder Bay River where slopes are such that erosion into the Thunder Bay River is a concern.</p> <p><u>Specs:</u></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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Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:  
Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, spruce, balsam fir, paper birch, and white pine.  
Other Comment: The start date is moved up due to spruce budworm damage. Access to the southern area of this stand is difficult due to wet spots and drainages within the stand and the wet Stand 55 that is blocking much of the way south. The fisheries biologist has approved the prescription notes and stand boundaries as they relate to the Thunder Bay River.  
Site Condition  
Proposed Start Date: 9/30/2021

<b>21</b>	<b>54094021-Cut</b>	16.0	6130 - Fir, Aspen, Maple	Poletimber Well	68	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Specs: Clear-cut with retention. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood removal from this harvest. Include specs to protect the snowmobile trail and its users. Move the harvest boundary away from the Thunder Bay River where slopes are such that erosion into the Thunder Bay River is a concern.  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:  
Acceptable Regen: Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.  
Other Comment: The start date is moved up due to spruce budworm damage. Mark any dense pockets of cedar out of the harvest. Discuss the harvest with the fisheries biologist. The harvest may not be feasible due to the size of the ramp and culvert that would be needed to haul the timber from the stand. The fisheries biologist has approved the prescription notes and stand boundaries as they relate to the Thunder Bay River.  
Site Condition  
Proposed Start Date: 9/30/2021

<b>55</b>	<b>54094055-Cut</b>	3.0	6122 - Black Spruce	Poletimber Well	63	1-50	Harvest	Clearcut	6124 - Lowland Spruce-Fir	Even-Aged	No
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Prescription Specs: Clear-cut.  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:  
Acceptable Regen: Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.  
Other Comment: Retention is not necessary due to the size of the cut.  
Site Condition Unproductive  
Proposed Start Date: 9/30/2021

**Total Treatment** 173.3  
**Acres Proposed:**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 94  
Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		5C	2G	2H	3A	3G	5D	5E	
14	14	0	0	Aspen								0
9	9	0	0	Cedar								
15	15	0	0	Herbaceous Openland								
234	184	13	37	Lowland Aspen/Balsam Poplar	13	36						1
11	1	8	1	Lowland Conifers	8							1
667	101	16	549	Lowland Deciduous	16	410	1	34	102			3
103	89	0	14	Lowland Mixed Forest		5				2		7
46	43	0	2	Lowland Shrub								2
21	0	0	21	Lowland Spruce/Fir						21		
13	13	0	0	Marsh								
7	7	0	0	Northern Hardwood								
5	0	0	5	Upland Spruce/Fir			5					
14	14	0	0	Urban		0						
32	32	0	0	Water		0	0					
1,190	524	37	629	Total Forested Acres	37	451	6	34	102	22		14
	44%	3%	53%	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	3G: Other Influence zones - See comments	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is flood plain forest that slows the seasonal flood waters of the Truax Creek.							
2	Unavailable	3G: Other Influence zones - See comments	41	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is flood plain forest that slows the seasonal flood waters of the Thunder Bay River.							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 94  
Year of Entry: 2023

3	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is flood plain forest that slows the seasonal flood waters of the Thunder Bay River.							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	133	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	23	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	225	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 94  
Year of Entry: 2023

10	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is lowland drainage area.							
11	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is flood plain forest that slows the seasonal flood waters of the Thunder Bay River.							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	56	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 94  
Year of Entry: 2023

16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is retention for stand 15 in compartment 94. Retention for Sale No. 54-001-013-01							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	3A: Conservation Values incompatible with harvest at this time	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand is dominate to swamp white oak and is low in timber volume. Retain this stand for its wildlife mast value.							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 94  
Year of Entry: 2023

22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is long term retention for Timber Sale No. 54-026-16; Sale Name: TBR Mile Mix.							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is retention for stand 15 in compartment 94. Retention for Sale No. 54-001-013-01							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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.

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SCA Name	SCA Category	Detail Type	Recommendation	Acres
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**Comments**

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### 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	6113 - Lowland Maple	Sawtimber Well	181.0	108	81-110	N/A	The red maple are consistently larger on the east side of the stand although there are 18 inch plus DBH red maple throughout the stand. The red maple to the southwest are somewhat smaller in diameter. The BA varies from around 50 to 110. The green ash have all died out of the canopy. A majority of the stand area was holding water during the 2023 YOE 2021 winter inventory.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		100	XLog/Log	19	108	Red Maple		Low	Variable	Sapling
						Green Ash	Medium	Variable	Sapling	
2	6112 - Lowland Aspen	Poletimber Medium	35.5	36	1-50	N/A	This stand is non-forested/lowland shrub in areas. After the last harvest, a majority of this stand regenerated to green ash and some black ash. The original green ash and the black ash regeneration greater than 4" DBH have died due to EAB and been replaced with ash seedlings or stump sprouts.  According to timber sale records portions of this area was clear-cut in 1984. Only trees with a merchantable stick were harvested. This was Timber Sale Name: Long Way In Block; Timber Sale No.: 54-019-84-01.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		25	Pole/Sapling	5	36	Tag Alder		Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		25	Pole	7	36	Willow spp.		Medium	10 - 20 feet	Tall Shrub
Green Ash		25	Sapling	1	11					
Balsam Poplar		25	Pole	8	36					
3	622 - Lowland Shrub	Nonstocked	10.0			No	A long narrow beaver dam runs north-south along the eastern edge of the stand. Water can be seen flowing out from underneath the beaver dam headed east. This beaver dam is the main reason why stand 3 west of it is flooded.  According to timber sale records portions of this area was clear-cut in 1984. Only trees with a merchantable stick were harvested. This was Timber Sale Name: Long Way In Block; Timber Sale No.: 54-019-84-01.  This is across between emergent wetland, lowland shrub, and low density lowland trees. There is much standing sapling sized dead ash throughout.			
4	6113 - Lowland Maple	Poletimber Well	20.1	36	1-50	N/A	The harvest records match up with what is on the ground. The red maple in this stand are almost exclusively from seed. This stand was holding much water in the winter 2021. There is a narrow strip of higher ground Quaking Aspen running east-west through the middle of the stand. This stand has the potential to be a decent red maple stand at maturity. It has wet ground but likely a solid enough base for future harvest. According to timber sale records portions of this area was clear-cut in 1984. Only trees with a merchantable stick were harvested. This was Timber Sale Name: Long Way In Block; Timber Sale No.: 54-019-84-01.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		91	Pole/Sapling	6	36	Tag Alder		High	5 - 10 feet	Tall Shrub
Quaking Aspen		1	Log/Pole	11		Glossy Buckthorn		Low	5 - 10 feet	Tall Shrub
Black Cherry		8	Pole	8						
5	6112 - Lowland Aspen	Poletimber Well	31.4	36	51-80	N/A	Scattered northern white cedar and pockets of northern white cedar are present. A majority of the stand was holding water during winter inventory.  According to timber sale records portions of this area was clear-cut in 1984. Only trees with a merchantable stick were harvested. This was Timber Sale Name: Long Way In Block; Timber Sale No.: 54-019-84-01.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		20	Sapling	3		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		78	Pole/Sapling	7	36	Green Ash		Medium	Variable	Sapling
Northern White Cedar		2	Log	13						
6	6113 - Lowland Maple	Poletimber Well	14.4	52	1-50	N/A	All the ash in the canopy greater than 5 in DBH are dead. Only red maple remains in the canopy. Ash saplings are surviving at varying rates. The red maple are almost exclusively in clumps of trees indicating regeneration from stump sprouts after a past harvest.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Red Maple		100	Pole	7	52	Black Ash	Medium	10 - 20 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
7	6112 - Lowland Aspen	Poletimber Well	14.4	44	1-50	N/A	According to timber sale records portions of this area was clear-cut in 1984. Only trees with a merchantable stick were harvested. This was Timber Sale Name: Long Way In Block; Timber Sale No.: 54-019-84-01. The west portion of this stand ,based on records, may have also been K-G blade cut/manual cut in a non-commercial harvest in 1977.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		40	Pole/Sapling	6		Green Ash		Low	10 - 20 feet	Sapling
Quaking Aspen		53	Pole	7	44	Tag Alder		Medium	5 - 10 feet	Tall Shrub
Balsam Poplar		5	Pole	8		Glossy Buckthorn		Low	5 - 10 feet	Tall Shrub
Balsam Fir		2	Pole/Sapling	6		Michigan Holly	Low	5 - 10 feet	Tall Shrub	
8	6112 - Lowland Aspen	Sawtimber Well	8.0	71	51-80	N/A	This stand has an odd mix of small pole size to large log size quaking aspen and red maple. Since the second age class in this stand is the same age as the aspen in Stand 12 to the east, it is reasonable to assume that this stand was partial harvested along with Stand 12 to the east, oddly leaving a cohort of what are now 71 year old aspen.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		45	Sapling/Pole	4	37	Balsam Fir		Low	10 - 20 feet	Sapling
Quaking Aspen		45	Log/Pole	11	71	Tag Alder		High	5 - 10 feet	Tall Shrub
Balsam Fir		10	Pole/Log	8		Black Ash		Low	Variable	Sapling
9	6120 - Lowland Cedar	Sawtimber Well	5.3	119		N/A	This cedar is a nice diversity pocket. There are disconnected cedar pockets surrounding this stand that are mapped into other stands.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Quaking Aspen		5	Log	15						
Northern White Cedar		85	Log/Pole	10	119					
Red Maple		10	Log	16						
10	6113 - Lowland Maple	Sawtimber Well	15.9	108	51-80	N/A	Wet pockets and pockets of tag alder are present throughout the stand. This stand is too wet to harvest.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		97	Log/XLog	16	108	Green Ash		Medium	Variable	Sapling
Quaking Aspen		1	Log/XLog	17		Tag Alder		Medium	5 - 10 feet	Tall Shrub
White Spruce		1	Pole/Log	9		Black Ash		Medium	Variable	Sapling
Northern White Cedar		1	Log	15						
11	6113 - Lowland Maple	Sawtimber Medium	58.4	107	111-140	N/A	There is a lot of old large blowdowns in this stand. This stand floods seasonally and is lower ground than the stand to the east, justifying them being separate stands. This stand is too wet to harvest.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		95	XLog/Log	20	107	Green Ash		High	Variable	Sapling
Black Ash		5	Pole/Sapling	5						
12	6112 - Lowland Aspen	Poletimber Well	30.6	37	51-80	N/A	This stand has a drainage running east-west through it. The stand has many very wet areas but overall it can be harvested.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		21	Pole/Sapling	6		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		60	Pole/Sapling	6	37	Glossy Buckthorn		Medium	5 - 10 feet	Tall Shrub
Balsam Fir		14	Pole/Sapling	6		Michigan Holly		Low	5 - 10 feet	Tall Shrub
Black Cherry		1	Sapling	4						
Black Ash		2	Sapling	4						
White Spruce		1	Pole	6						
Paper Birch		1	Pole	8						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>13</b>	4130 - Aspen	Sapling Well	10.3	2	Immature	N/A	Sparse Legacy White Pine and Red Pine are scattered throughout. This stand was harvested as part of Timber Sale Name: TBR Mile Mix; Sale No. 54-026-16 in September of 2019.																																																															
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Green Ash	1	Sapling	1																																																																			
<b>14</b>	122 - Road/Parking Lot	Nonstocked	11.4			No	This is an old railroad grade that is closed to vehicles. From December 1 through March 31 the gates are opened and the trail is used groomed for snowmobiles.																																																															
<b>15</b>	6112 - Lowland Aspen	Sapling Medium	47.8	3	Immature	N/A	The harvest on stand was completed in December of 2017. Sale Name: Slug Bug; Sale Number: 54-001-13-01. Everything was harvested except for a few scattered oak.																																																															
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<b>16</b>	6113 - Lowland Maple	Sawtimber Well	35.8	108	51-80	N/A	A drainage runs from the northwest to the southeast through the stand. This is an intermittent drainage. The red maple in the stand are large with a scattering of white spruce. The stand is park like with a wide open understory. Old wind thrown trees are scattered across the stand. Some are red maple but most are the green ash that have died out of the canopy.																																																															
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<b>17</b>	622 - Lowland Shrub	Nonstocked	7.6	0		No	This area could have been part of a 1984 harvest or part of a 1977 K-G blade cut/manual cut in a non-commercial harvest that did not regenerate.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>18</b>	6130 - Fir, Aspen, Maple	Sawtimber Well	73.8	94	51-80	N/A	This stand is labeled as lowland with upland but it may be closer to upland with lowland. There is mostly lower quality timber but there is some good quality white spruce scattered throughout.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Quaking Aspen		26	Log/Pole	12	94	Balsam Fir		
Balsam Fir		12	Pole/Log	8		Low		
White Spruce		18	Log/Pole	10		Medium		
Northern White Cedar		7	Log/Pole	11		High		
Red Maple		25	Log/Pole	12		Low		
Swamp White Oak		2	Pole	6		5 - 10 feet		
White Pine		1	Log	12		5 - 10 feet		
Paper Birch		2	Log/Pole	10		5 - 10 feet		
Black Spruce		7	Pole	8		5 - 10 feet		
						Tall Shrub		
						Tall Shrub		
						Tall Shrub		
<b>19</b>	6113 - Lowland Maple	Sawtimber Well	3.0	107	51-80	N/A	This is an area of forest that often floods. The stand was full of water/ice covered during the 2023 YOE winter inventory. This stand is too wet to harvest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		90	Log	14	107	Tag Alder		
Swamp White Oak		5	Log/XLog	16		Low		
Northern White Cedar		5	Log	14		5 - 10 feet		
						Tall Shrub		
<b>20</b>	6113 - Lowland Maple	Sawtimber Well	27.6	104	171-200	N/A	This stand had standing water and was iced over during the 2023 YOE inventory. This stand is too wet to harvest. The interior of the stand is pretty much all red maple, and some of it is silver maple. The red maple varies in size from larger pole to very large X-log trees. There are some scarce swamp white oak, cedar, and balsam fir on the outer edges. The Green Ash are dead do to EAB and may have previously made up 5 to 10% of the canopy.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		98	Log/XLog/Pole	13	104	Tag Alder		
Swamp White Oak		2	Log	16		Trace		
						5 - 10 feet		
						Tall Shrub		
<b>21</b>	6130 - Fir, Aspen, Maple	Poletimber Well	19.4	68	81-110	N/A	The white spruce and the balsam fir look to have been hit hard by spruce budworm. Access to the stand is poor due to the steepness of the railroad grade.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		21	Log/Pole	11		Balsam Fir		
Quaking Aspen		18	Log	14	90	Low		
Balsam Fir		22	Pole	8	68	Variable		
Northern White Cedar		5	Log/Pole	13		Sapling		
White Spruce		21	Pole	8				
Swamp White Oak		3	Log/Pole	11				
Paper Birch		10	Log/Pole	10				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
<b>22</b>	6113 - Lowland Maple	Sawtimber Well	9.0	102	111-140	N/A	This is lowland flood plain forest that slows the flow of spring flood waters. This stand is too wet to harvest. About a third of the ground area was covered by water/ice in January of 2021.																																																							
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<b>23</b>	6112 - Lowland Aspen	Sawtimber Well	17.0	48	81-110	N/A	This stand is ready for harvest. The aspen will begin to diminish in quality in the near future due to the high soil moisture.																																																							
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<b>24</b>	6113 - Lowland Maple	Sawtimber Well	39.8	103	111-140	N/A	Streams run through and the northern two arms of this stand and converge before dumping into the pond like area to the south. The southern 2/3 of the stand was flooded and iced over in the winter of 2020.																																																							
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<b>25</b>	6113 - Lowland Maple	Sawtimber Well	26.0	128	141-170	N/A	This is lowland flood plain forest that slows the flow of spring flood waters. A 16" DBH Red Maple in December of 2020 was 121 years old. Another 16" DBH Red Maple in December of 2020 was 134 years old. 2023 Inventory BA Measurements (190, 150, 140) Scattered Legacy silver maple are present. Silver maple and red maple are represented under the red maple callout due to the difficulty of telling the two apart.																																																							
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<b>26</b>	500 - Water	Nonstocked	12.8			No	This is the Thunder Bay River.																																																							



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27	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	33.8	109	51-80	N/A	This stand is wet and has sparse volume throughout. There is a scattering of swamp white oak throughout the stand that is quite old and appears to be healthy and hanging on quite well.																																																																											
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28	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	39.6	91	51-80	N/A	There are legacy white pine present in the east end of the stand. Areas of the stand, especially to the north, should be marked out of a harvest due to low volumes and wet soils. Having reached the upper limits of their longevity for the soils present, the aspen are aging out/dying out of the canopy. Red maple saplings are dense in the understory in the northwest region of the stand. There is an opening in the southern area of the stand that is speckled with and lined with white pine.																																																																											
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29	500 - Water	Nonstocked	6.2			No	This is a flooded area that connects northern streams to the Thunder Bay River to the south. The flooded area is lined along the edges with lowland shrub.																																																																											
30	6115 - Lowland Ash	Sapling Medium	7.9	17	Immature	N/A	This long narrow sapling stand is the result of a straight line wind that blew over the overstory. A couple log sized red maple are still standing. Most of the stand was covered in water. This stand is too wet to harvest.																																																																											
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31	6233 - Wet Meadow	Nonstocked	12.9		Immature	No	This stand would be forested but all of the sapling/pole sized green and black Ash have died. The stand is wet and covered with grass throughout. Scattered large red maple are present.																																																																											



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<b>32</b>	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	6.8	83	51-80	N/A	The swamp white oak are likely highly variable and age. The stand is too to the harvest.																																																							
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<b>33</b>	6113 - Lowland Maple	Sawtimber Medium	27.6	108	51-80	N/A	This stand was holding a lot of water in January of 2021. This stand is too wet the harvest. The stand has an old road running north south through it. All green ash that were in the canopy have died.																																																							
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<b>34</b>	6112 - Lowland Aspen	Sawtimber Well	7.8	108	1-50	N/A	This ground is high enough for a harvest. The BA is low but the large Aspen look to be reasonably solid.																																																							
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<b>35</b>	629 - Mixed non-forested wetland	Nonstocked	6.1		Immature	No	This was a wet stand that was dominated by green ash and black ash. The ash are dead and more than half of it is lying on the ground. What is left is a wet grassy meadow with scattered very large red maple.																																																							
<b>36</b>	6113 - Lowland Maple	Sawtimber Well	20.3	107	111-140	N/A	This is low ground with large diameter trees. Truax creek (maybe a seasonal drainage) runs through the west end of the stand. There is a three culvert (approx. 20" 3.5', & 18" diameters) ground crossing that goes across the creek. If used for a harvest the crossing would need stone placement maintenance.																																																							
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<b>37</b>	622 - Lowland Shrub	Nonstocked	8.5		Immature	No	For all intensive management purposes this is lowland shrub. There are pockets of low density trees/small pockets of forested areas. Overall the stand is dominated by lowland shrub. Scattered/pocketed spruce, balsam fir, paper birch, and red mabel of log size are present.																																																							
<b>38</b>	310 - Herbaceous Openland	Nonstocked	12.2		Immature	No	This stand was forested but the black ash and green ash have died off. Scattered red maple of very diameters making less than 15% canopy remains. This stand could be described as lowland mixed herbacious. The Forest floor is dominated by raspberry, grasses, and ferns. The dead ash are mostly standing but are starting to fall out of the canopy.																																																							
<b>39</b>	310 - Herbaceous Openland	Nonstocked	1.4		Immature	No	This may be closer to lowland herbaceous. This is slightly higher ground than the sand to the east.																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>40</b>	6112 - Lowland Aspen	Poletimber Well	23.8	44	51-80	N/A	Based on records, this area may have also been K-G blade cut/manual cut in a non-commercial harvest in 1977. A drainage with log size red maple runs east west through the southern portion of the stand. There is a half acre cedar pocket in the east end of the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		23	Pole/Sapling	6		Green Ash		
Quaking Aspen		70	Pole/Log	9	44	Tag Alder		
Balsam Poplar		5	Pole	8		Glossy Buckthorn		
Balsam Fir		2	Pole/Sapling	6		Michigan Holly		
<b>41</b>	6112 - Lowland Aspen	Poletimber Well	6.7	44	51-80	N/A	Based on records, this area may have also been K-G blade cut/manual cut in a non-commercial harvest in 1977. There are some higher ground ridges heavier to balsam fir.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		15	Pole/Sapling	6		Green Ash		
Quaking Aspen		58	Pole	8	44	Tag Alder		
White Spruce		5	Pole	6		Dogwood (spp.)		
Balsam Fir		20	Pole	7		Glossy Buckthorn		
Black Cherry		2	Pole	6		Michigan Holly		
<b>42</b>	622 - Lowland Shrub	Nonstocked	10.0	0		No	This area could have been part of a 1984 harvest or part of a 1977 K-G blade cut/manual cut in a non-commercial harvest that did not regenerate.	
<b>43</b>	6113 - Lowland Maple	Sawtimber Well	2.8	104	51-80	N/A	This is lowland flood plain forest that slows the flow of spring flood waters.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		95	Log	13	104	White Spruce		
Northern White Cedar		5	Log	12		Prickly Pear		
						Green Ash		
<b>44</b>	6113 - Lowland Maple	Sawtimber Well	4.2	104	51-80	N/A	This is lowland flood plain forest that slows the flow of spring flood waters.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		95	Log	13	104	White Spruce		
Northern White Cedar		5	Log	12		Prickly Pear		
						Green Ash		
<b>45</b>	6139 - Mixed Lowland Forest	Sawtimber Medium	4.5	74	1-50	N/A	There is a vein dominant two white spruce along the northern edge of the private property. This vein is higher ground. The BA ranges from below 50 to above 150. An 8-in DBH white spruce aged at 64 + 10 = 74 years of age. This white spruce tree grew very fast early on but now is putting on diameter very slowly.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		35	Log/Pole	12	98	Green Ash		
Quaking Aspen		15	Log	14		Tag Alder		
Balsam Fir		5	Pole/Log	9		Michigan Holly		
White Spruce		45	Pole/Log	8	74	Glossy Buckthorn		
<b>46</b>	500 - Water	Nonstocked	9.4	0		No	This is the Thunder Bay River.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
47	6113 - Lowland Maple	Sawtimber Medium	8.3	102	51-80	N/A	This stand has a fairly open under story. The ground is slightly higher than your typical floodplain forest. A harvest might be possible on the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		88	Log	13	102	Green Ash		
White Spruce		5	Pole/Log	8		Medium		
Swamp White Oak		2	Log/Pole	12		5 - 10 feet		
Quaking Aspen		5	Log	17		Variable		
						Sapling		
48	500 - Water	Nonstocked	2.8		Immature	No	This is a drainage that likely holds water most of the year. It empties to the south in the Thunder Bay River.	
49	6113 - Lowland Maple	Sawtimber Well	6.1	104	141-170	N/A	Most of the stand was holding water and frozen over during the 2023 YOE Inventory. This stand is a continuation of the stand across the drainage to the west but with a higher density of swamp white oak.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		90	Log/XLog/Pole	13	104	Green Ash		
Swamp White Oak		10	Log	14		Medium		
						< 5 feet		
						Sapling		
50	6113 - Lowland Maple	Sawtimber Well	33.6	89	51-80	N/A	This stand has a small pole sized component of red maple in areas. Scattered cedar and cedar pockets are present. This stand is too wet to harvest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		75	Log/Pole	12	89	Michigan Holly		
Northern White Cedar		10	Log	13		Low		
Quaking Aspen		15	Log	16		5 - 10 feet		
						Tall Shrub		
						Tag Alder		
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						Tall Shrub		
						Glossy Buckthorn		
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						5 - 10 feet		
						Tall Shrub		
51	6120 - Lowland Cedar	Sawtimber Well	3.7	112	81-110	N/A	This is slightly higher ground than the surrounding floodplain forest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		10	Log	13		Tag Alder		
Northern White Cedar		62	Log	12	112	Low		
Swamp White Oak		15	Log/Pole	11		Variable		
Balsam Fir		5	Log	11		Sapling		
White Spruce		5	Log/Pole	11		Trace		
Basswood		2	Log	12		Variable		
Quaking Aspen		1	Log	16		Sapling		
						< 5 feet		
						Sapling		
52	6113 - Lowland Maple	Sawtimber Well	1.2	108	51-80	N/A	This is lowland flood plain forest that slows the flow of spring flood waters.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		86	Log	14	108	Prickly Pear		
Northern White Cedar		5	Log/Pole	11		Low		
Swamp White Oak		2	Log/XLog	16		5 - 10 feet		
Basswood		7	Log	14		Tall Shrub		
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<b>55</b>	6122 - Black Spruce	Poletimber Well	21.2	63	1-50	N/A	Most of this stand is unproductive forest land. The southern portion of the stand is thicker to black spruce and may be harvestable.																																																		
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<b>57</b>	6113 - Lowland Maple	Sawtimber Well	4.9	108	51-80	N/A	This is lowland flood plain forest that slows the flow of spring flood waters.																																																		
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<b>58</b>	6113 - Lowland Maple	Sawtimber Well	16.7	102	111-140	N/A	This is lowland flood plain forest that slows the flow of spring flood waters. This stand is too wet to harvest. More than half of the ground area was covered by water/ice in January of 2021.																																																		
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<b>59</b>	6113 - Lowland Maple	Sawtimber Well	5.2	88	111-140	N/A	This is typical red maple flood plain forest. The red maple, most likely, are highly variable in age. There is a pocket in the north end of the stand, that can be seen in the 1998 imagery, that was holding water in the winter of 2020.																																																											
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<b>60</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	3.7	57	81-110	N/A	This stand has large healthy bigtooth aspen on the higher ground to the northwest. The ground to the south is lower and more dominate to red maple. There is some nice sparse white spruce regeneration growing in the understory. The swamp white oak are mostly along the boundaries of the stand.																																																											
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<b>61</b>	6113 - Lowland Maple	Sawtimber Well	10.0	116	111-140	N/A	This is lowland flood plain forest that slows the flow of spring flood waters. Scattered Legacy silver maple are present. Silver maple and red maple are represented under the red maple callout due to the difficulty of telling the two apart.																																																											
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<b>62</b>	42330 - Upland Fir	Poletimber Well	5.0	65	51-80	N/A	Most of aspen have fallen out/aged out of the canopy and the stand has been taken over by the balsam fir that was growing in the understory.																																																											
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<b>63</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	7.2	74	51-80	N/A	There are a couple legacy white pine present. The age of the red maple is an estimate based on what could be gleaned from two rotten core samples. The Aspen is much older and is dying out of the canopy.																																																											
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<b>64</b>	122 - Road/Parking Lot	Nonstocked	2.4	0		No	Salina Road																																																											



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<b>65</b>	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	2.9	109	51-80	N/A	This pocket of diversity in the lowland maple stand was mapped out. The age of the stand was not taken due small its low acreage and time constraints. Similar swamp white oak in the stand to the north aged at 108 years in the winter of 2020.																																																		
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<b>66</b>	622 - Lowland Shrub	Nonstocked	1.5	0		No	There is a sparse log sized red maple canopy. For all intensive management purposes, this is lowland shrub.																																																		
<b>67</b>	310 - Herbaceous Openland	Nonstocked	1.7	0		No	This is a nice upland pocket amongst lowland stands. Scattered log sized oak are present with shorter bushy open grown white pine.																																																		
<b>68</b>	6112 - Lowland Aspen	Sapling Medium	3.2	2	Immature	N/A	This stand was harvested as part of Timber Sale Name: TBR Mile Mix; Sale No. 54-026-16 in September of 2019.																																																		
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<b>70</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	8.5	86	51-80	N/A	The white spruce in this stand look to have been hit hard by spruce bud worm. Many white spruce are dead.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>71</b>	6130 - Fir, Aspen, Maple	Sawtimber Well	5.1	94	51-80	N/A	poor quality timber.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	26	Log/Pole	12	94	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	12	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Spruce	18	Log/Pole	10		Glossy Buckthorn	High	5 - 10 feet	Tall Shrub
Northern White Cedar	7	Log/Pole	11		Michigan Holly	Low	5 - 10 feet	Tall Shrub
Red Maple	25	Log/Pole	12					
Swamp White Oak	2	Pole	6					
White Pine	1	Log	12					
Paper Birch	2	Log/Pole	10					
Black Spruce	7	Pole	8					

<b>72</b>	6113 - Lowland Maple	Sawtimber Well	18.1	108	81-110	N/A	This stand is too wet to harvest. BA varies highly throughout. Lowland shrub dominate areas are present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	92	XLog/Log	20	108	Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	5	Log/Pole	10		Green Ash	Low	Variable	Sapling
White Spruce	1	Log/Pole	10		Black Ash	Low	Variable	Sapling
Quaking Aspen	2	Log	14		Glossy Buckthorn	Medium	5 - 10 feet	Tall Shrub
					Michigan Holly	Low	5 - 10 feet	Tall Shrub

<b>73</b>	6118 - Lowland Deciduous with Cedar	Sawtimber Well	7.8	102	81-110	N/A	This was not originally planned as a separate stand during the original walkthrough. A look was taken within the east end of this stand and the stand date was based off this snapshot and aerial imagery. A thorough walkthrough needs to be complete to get more accurate stand data.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Log	13	102	Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	15	Pole/Log	8		Green Ash	Low	Variable	Sapling
White Spruce	5	Pole/Log	8		Black Ash	Low	Variable	Sapling
Quaking Aspen	25	Log	12		Michigan Holly	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	20	Log	13					

<b>74</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	2.1	86	51-80	N/A	This small stand was an afterthought after the walkthrough and has been assigned the same composition as Stand 70 to the west.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	31	Log	12		Balsam Fir	Low	10 - 20 feet	Sapling
Quaking Aspen	2	Log	16		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	15	Pole/Log	8		White Spruce	Medium	Variable	Sapling
Northern White Cedar	15	Log	13					
White Pine	5	XLog	30					
White Spruce	32	Pole/Log	9	86				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>75</b>	6112 - Lowland Aspen	Sawtimber Well	4.8	71	51-80	N/A	This stand has an odd mix of small pole size to large log size quaking aspen and red maple. Since the second age class in this stand is the same age as the aspen in Stand 12 to the east, it is reasonable to assume that this stand was partial harvested along with Stand 12 to the east, oddly leaving a cohort of what are now 71 year old aspen.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		45	Sapling/Pole	4	37	Balsam Fir		Low	10 - 20 feet	Sapling
Quaking Aspen		45	Log/Pole	11	71	Tag Alder		High	5 - 10 feet	Tall Shrub
Balsam Fir		10	Pole/Log	8		Black Ash		Low	Variable	Sapling
<b>76</b>	6112 - Lowland Aspen	Sawtimber Well	1.1	71	51-80	N/A	This stand has an odd mix of small pole size to large log size quaking aspen and red maple. Since the second age class in this stand is the same age as the aspen in Stand 12 to the east, it is reasonable to assume that this stand was partial harvested along with Stand 12 to the east, oddly leaving a cohort of what are now 71 year old aspen.			
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Red Maple		45	Sapling/Pole	4	37	Balsam Fir		Low	10 - 20 feet	Sapling
Quaking Aspen		45	Log/Pole	11	71	Tag Alder		High	5 - 10 feet	Tall Shrub
Balsam Fir		10	Pole/Log	8		Black Ash		Low	Variable	Sapling
<b>80</b>	500 - Water	Nonstocked	1.3	0		No	This is the Thunder Bay River.			