

# **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 Herron (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 though the Atlanta and Alpena DNR Offices as well as the Long Rapids Township Fire Department. The covertypes 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

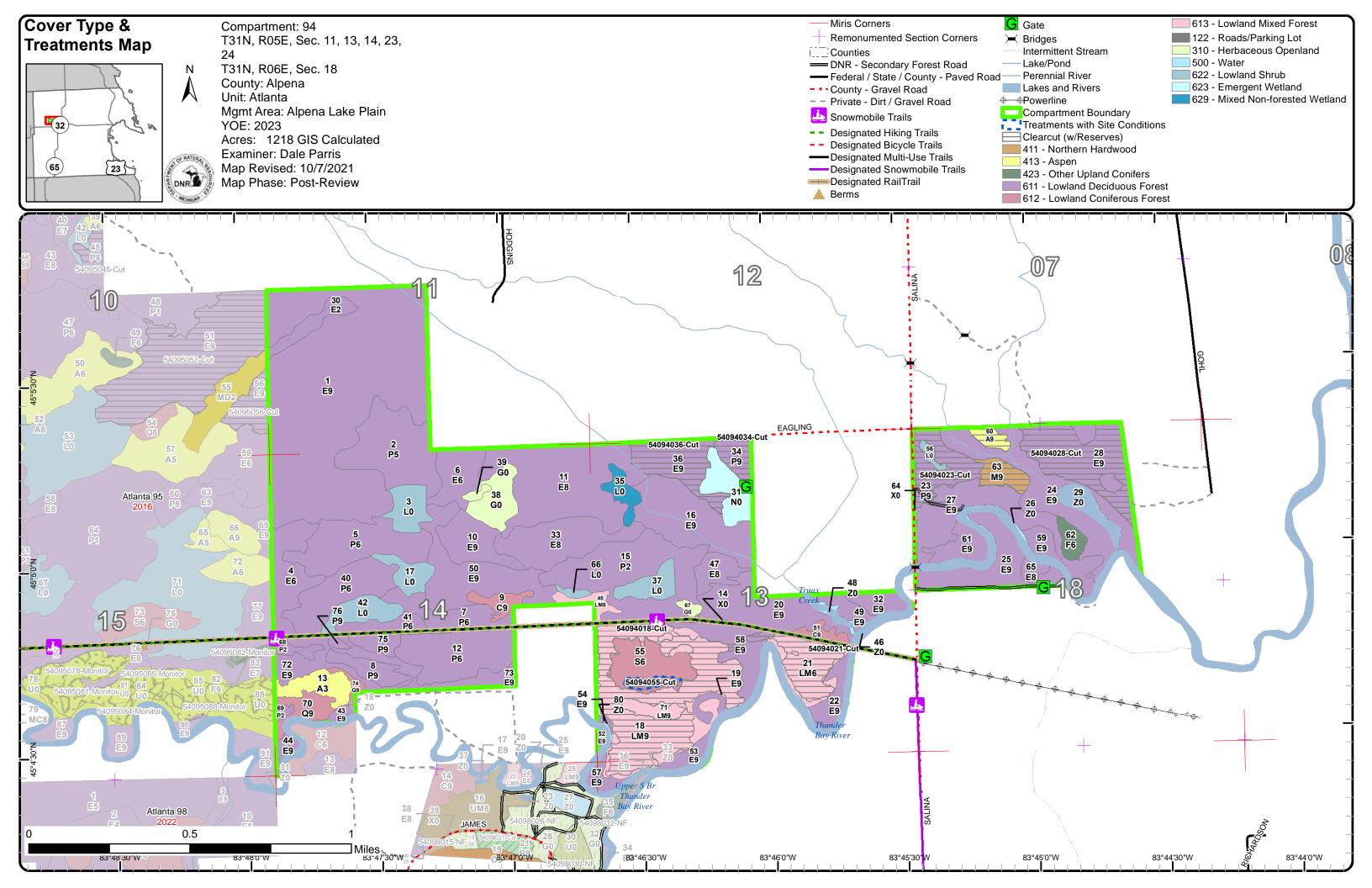
The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers

Proposed treatments

Site condition boundaries

Details on the road access system



**Stand Boundary** Miris Corners Compartment: 94 **Remonumented Section Corners** T31N, R05E, Sec. 11, 13, 14, 23, Map Counties 24 DNR - Secondary Forest Road
 Federal / State / County - Paved Road
 County - Gravel Road
 Private - Dirt / Gravel Road T31N, R06E, Sec. 18 Ν County: Alpena Unit: Atlanta Mgmt Area: Alpena Lake Plain Snowmobile Trails **2**32 YŎE: 2023 - Designated Hiking Trails Acres: 1218 GIS Calculated - - Designated Bicycle Trails Examiner: Dale Parris ----Designated Multi-Use Trails Map Revised: 10/7/2021 (65) ---- Designated Snowmobile Trails 23 ( DNR Map Phase: Post-Review -----Designated RailTrail A Berms

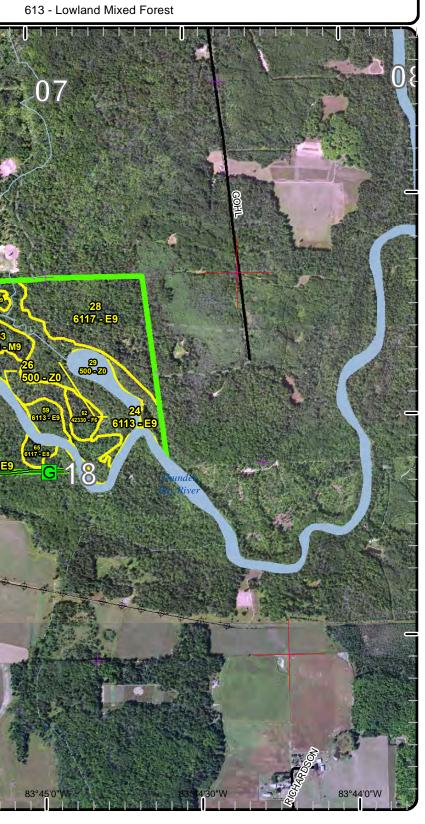
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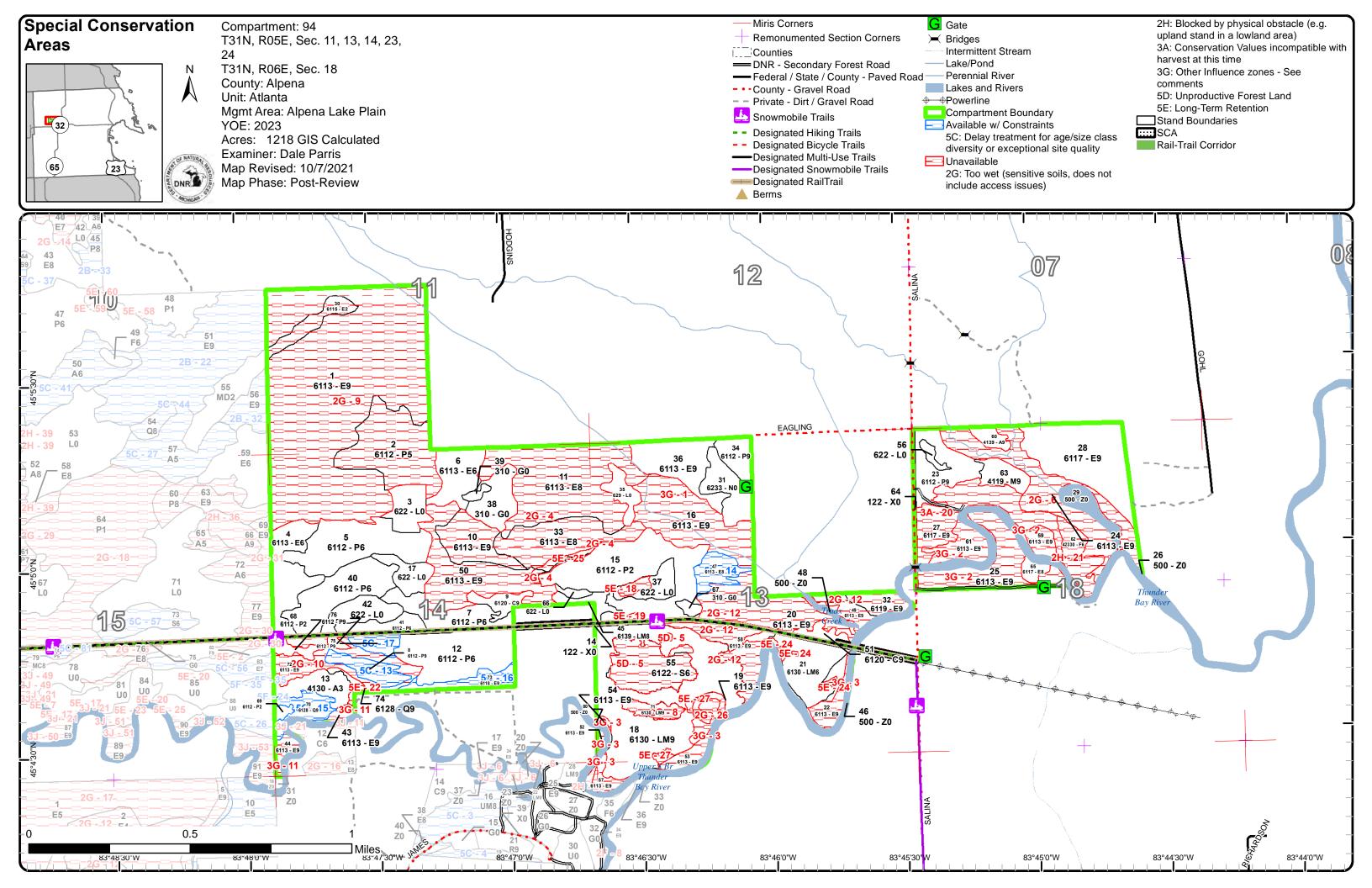
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83°46'0"W

83°45'30"W

- G Gate Hidges Intermittent Stream -Lake/Pond Perennial River Lakes and Rivers ⊕ ⊕Powerline Compartment Boundary Stand Boundaries 411 - Northern Hardwood 413 - Aspen 423 - Other Upland Conifers 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest
- 122 Roads/Parking Lot 310 Herbaceous Openland 500 Water
- 622 Lowland Shrub
- 623 Emergent Wetland
- 629 Mixed Non-forested Wetland





# **Report 1 – Total Acres by Cover Type and Age Class**

Atlanta Mgt. Unit

Dale Parris : Examiner

Compartment 94 Year of Entry 2023



Age Class

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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
Total	121	62	8	0	118	62	18	45	26	57	119	539	19	26	0	0	0	0	1219



Year of Entry: 2023Acres of HarvestTotal Compartment Acres:Commercial Harvest - 170Harvests with Site Condition - 3Next Step Harvest - 0Habitat Cut - 0

# Cover Type by Harvest Method

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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	
	Total	173	0	0	0	0	0	0	0	0	173	

#### Proposed and Next Step Treatments by Method

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Current		173	0	0	0	0	0	0	0	0	173	
Next Step		0	0	0	0	0	0	173	0	0	173	
	Total	173	0	0	0	0	0	173	0	0	347	

S									Compartmen Year of Entry	y: 2023	DNR
t a n Treatr d Nar		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Ha (
osed Tre	atment	s:									
23 540940	)23-Cut	17.0	6112 - Lowland Aspen	Sawtimber Well	48	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	
Prescription Specs:	Clear-cu	t with rete	ention. Protect the	sparse amo	ounts o	f pine, spr	ruce, and swam	p white oak regene	eration to promote	future stand o	diversi
<u>Next Step</u> Treatments:	Monitorii	ng, Natura	al Regen (Re-Inver	ntory)							
Acceptable Regen:	Accepta	ble regen	eration is a mediur	m to well sto	cked s	tand of as	spen, red maple,	, paper birch, balsa	am fir, spruce, oak	, and/or pine.	
<u>Other</u> Comment:											
Site Conditic	<u>on</u>										
Proposed St	art Date:	10/1 /20	22								
28 540940	028-Cut	35.5 I	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	91	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	
Prescription Specs:	Clear-cu	t with rete	ention.								
<u>opoco.</u>	Do not c	ut the spa	arse amount of pin	e.							
		· · · · · · · · · · · · · · · · · · ·	al Regen (Re-Inver	ntory)							
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36 5	54094036-Cut	20.3	6113 - Lowland Maple	Sawtimbe Well	er 107	111- 140	Harvest	Clearcut with Retention	6113 - Lowland Maple	Even-Aged	
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<u>Next S</u> Treatr	<u>Step</u> Monito <u>ments:</u>	ring, Natur	al Regen (Re-Inve	ntory)							
<u>Accep</u> Reger		able reger	neration is a mediu	m stocked ı	mix of re	ed maple,	aspen, and othe	er native tree spec	ies.		
<u>Other</u> Comm	nent:	-	drainage at the eas orner of the stand w	-				sed with EAGLE f	or a permit.		
	Condition bsed Start Date	. 10/1/20	222								
	54094060-Cut	_	4139 - Aspen, Mixed Deciduous	Sawtimbe Well	er 57	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	
Presci Specs	ription Clear o	cut.									
00000		t all swamp	o white oak and all	white spruc	ce reger	neration to	promote future	stand diversity.			
<u>Next S</u> Treatr	<u>Step</u> Monito ments:	ring, Natur	al Regen (Re-Inve	ntory)							
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Reger         Other         Comm         Site C         Propo         63         Prescr         Specs         Next S         Treatm         Accep         Reger         Other         Comm	n: The Sv Access Unless Condition Seed Start Date 54094063-Cut ription Clear-o Step Monito ments: Dtable Accept Dtable Accept	wamp Whit s will likely access is <u>2</u> 10/1 /20 7.2 N cut. ion is not r t the White ring, Natur	e Oak is mainly a need to be gained needed to harvest 222 4119 - Mixed Jorthern Hardwood necessary due to th e Pine Legacy trees ral Regen (Re-Inver	long the or from the ne the stand t Sawtimbe s Well ne small size s. ntory)	utside e eighbor o the ea er 74 e of the	dges of t to the nor ast, it is lik 51-80 stand.	he stand. th. tely not worth ge Harvest	tting private acces	s to harvest only 3 4199 - Other Mixed Upland Deciduous	Even-Aged	

18 54094018-Cut 62.8 6130 - Fir, Aspen, 94 51-80 Sawtimber Harvest Clearcut 613 - Lowland Even-Aged No Maple Well Mixed Forest Prescription 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 Specs: erosion into the Thunder Bay River is a concern.

	S t			Atlanta	Mgt. Unit		Repoi	rt3 <sup>-</sup>	Freatments		Compartmen Year of Entry		OF NATURAL PROPERTY
Treatments:       Acceptable regeneration is any medium to well stocked mix of aspen, red maple, spruce, balsam fir, paper birch, and white pine.         Regent:       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         21       54094021-Cut       16.0       6130 - Fir, Aspen, Poletimber 68       81-110       Harvest       Clearcut with 613 - Lowland       Even-Aged       No         Rescription       Clear-cut with retention. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood specs. Thunder Bay River where slopes are such that erosion into the Thunder Bay River is a concern.       No         Next Stap.       Monitoring, Natural Regen (Re-Inventory)       Treatments:       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Regen:       Other       The start date is moved up due to spruce budword damage. Mark any dense pockets of cedar out of the harvest. Discuss the harvest Comment:       With the fisheries biologist. The harvest may not be feasible due to the size of the rang and culvert thin 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.				Acres								-	Habitat Cut
Regen:       The start date is moved up due to spruce budworm damage Access to the southerm area of this stand is difficult due to wet spots and comment; drianages 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       Processed Start Date: 9/30/2021         21       54094021-Cut       16.0       6130 - Fir, Aspen, Poletimber       68       81-110       Harvest       Clearcut with Mixed Forest       No         Prescription       Clear-cut with retention. Include acres to the harvest as needed from the north edge of Stand St to the west to accommodate wood specs; moveal the specs protect the sorowombile trail and its users. Move the harvest bloundary 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       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Regen:       White the stand. 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       Proceed Start Date: 9/30/2021       3.0 6122 - Black Spruce Poletimber 63       1.50       Harvest       Clearcut       6124 - Lowland Eve			Monitorin	ng, Natura	l Regen (Re-Inven	tory)							
Comment:       drainages within the stand and the well 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         21       54094021-Cut       16.0       6130 - Fir, Aspen, Poletimber       68       81-110       Harvest Clearcut with 613 - Lowland Even-Aged No Maple       No         Prescription       Clear-cut with retention. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood Specs. Include Bay River where slopes are such that erosion into the Thunder Bay River is a concern.       No         Vext Step       Monitoring, Natural Regen (Re-Inventory)       Reserve the harvest boundary away from the Thunder Bay River is a concern.       No         Regen:       Occeptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.       Quert         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 comment.       Site Condition         Proposed Start Date:       9/30/2021       Sternother 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       Proceed Start D	_	•	Acceptat	ole regene	eration is any medi	um to well	stocked	I mix of as	spen, red maple	e, spruce, balsam fi	r, paper birch, and	d white pine.	
Proposed Start Date:       9/30/2021         21       54094021-Cut       16.0       6130 - Fir, Aspen, Vell       No         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 Specs:       No         Next Step       Monitoring, Natural Regen (Re-Inventory)       No         Acceptable.       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Regen:       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.       No         Site Condition       9/30/2021       Start Date:       9/30/2021         55       54094055-Cut       3.0 6122 - Black Spruce Poletimber 63       1-50       Harvest       Clearcut       6124 - Lowland       Even-Aged       No         Next Step       Monitoring, Natural Regen (Re-Inventory)       Vell       S1 - 50       Harvest       Clearcut       6124 - Lowland       Even-Aged       No         Step Condition       Vell       S0       6122 - Black Spruce Poletimber 63       1-50       Harvest<			drainage	s within th	e stand and the w	et Stand 5	5 that is	blocking	much of the wa	ay south.The fisheri			and
21       54094021-Cut       16.0       6130 - Fir, Aspen, Poletimber 68       81-110       Harvest Retention       613 - Lowland Even-Aged No Mixed Forest       No         Prescription       Clear-cut with retention. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood Spaces; removal from this harvest. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood Space; removal from this harvest. Include acres to the harvest as needed from the north edge of Stand 58 to the west to accommodate wood Space; removal from this harvest. Include acres to the solution into the Thunder Bay River where slopes are such that erosion into the Thunder Bay River is a concern.       No         Next Step       Monitoring, Natural Regen (Re-Inventory)       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 approved the prescription notes and stand boundaries as they relate to the Thunder Bay River.       No         Site Condition       Prescription       Clear-cut.       6124 - Lowland Even-Aged No       No         Prescription       Clear-cut.       Spruce-Fir       Spruce-Fir       No         Site Condition       No       Well       Spruce-Fir       No         Prescription       Clear-cut.       Spruce-Fir       Spruce-Fir       No			_										
Maple       Well       Retention       Mixed Forest         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 specs:       Stand 58 to the west to accommodate wood specs:         Next Step       Monitoring, Natural Regen (Re-Inventory)         Treatments:       Acceptable         Acceptable       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Qther       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       Prescription       Clear-cut.         Site Statp       0.0 fo122 - Black Spruce Poletimber 63 1-50 Harvest       Harvest         Vell       Spruce-Fir       Spruce-Fir         Prescription       Clear-cut.       Spruce-Fir         Site Statp       Monitoring, Natural Regen (Re-Inventory)       Spruce-Fir         Vell       Spruce-Fir       Spruce-Fir       Spruce-Fir         Spruce-Fir       Spruce-Fir       Spruce-Fir       Spruce-Fir         Spruce-Fir       Sp	Pro	posed St	art Date:	9 /30/202	1								
Specs:       removal from this harvest. Include specs to protect the snownobile 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)         Acceptable       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Other       The start date is moved up due to spruce budwom 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       Prescription       3.0 6122 - Black Spruce Poletimber 63 1-50 Harvest Clearcut 6124 - Lowland Even-Aged Well       No         Prescription       Clear-cut.       Spruce-Fir       No         Next Step       Monitoring, Natural Regen (Re-Inventory)       Treatmentis:         Prescription       Clear-cut.       Spruce-Fir       No         Specs:       Retention is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.       Regen:         Step Condition       Retention is not necessary due to the size of the cut.       Spruce-Fir       Step Spruce Spr	21	540940	21-Cut	16.0 6			er 68	81-110	Harvest			Even-Ageo	d No
Treatments:       Acceptable         Acceptable       Acceptable regeneration is a medium stocked mix of aspen, red maple, balsam fir, white spruce, paper birch, and oak.         Regen:       The start date is moved up due to spruce budworm damage.Mark any dense pockets of cedar out of the harvest. Discuss the harvest comment:         Other       The start date is moved up due to spruce budworm damage.Mark any dense pockets of cedar out of the harvest. Discuss 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         55       54094055-Cut       3.0 6122 - Black Spruce Poletimber 63       1-50         Well       Well       Spruce-Fir       No         Sprece:       No       No         Next Step       Monitoring, Natural Regen (Re-Inventory)       Yeatments:         Acceptable       Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.       Regen:         Other       Retention is not necessary due to the size of the cut.       Ste Condition       Uproductive		•	removal	from this	harvest.Include spe	ecs to prot	ect the	snowmob	ile trail and its ι	users.Move the harv			bd
Regen:       Other       The start date is moved up due to spruce budworm damage.Mark any dense pockets of cedar out of the harvest. Discuss the harvest comment:         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         55       54094055-Cut       3.0 6122 - Black Spruce Poletimber 63       1-50       Harvest       Clearcut       6124 - Lowland       Even-Aged       No         Prescription       Clear-cut.       Spruce-Fir       No       Spruce-Fir       Spruce-Fir         Acceptable       Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.       Regen.         Other       Retention is not necessary due to the size of the cut.       Comment:       Site Condition         Site Condition       Unproductive       Unproductive       Spruce-Fir			Monitorir	ng, Natura	l Regen (Re-Inven	tory)							
Comment:       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         55       54094055-Cut       3.0 6122 - Black Spruce Poletimber 63 1-50 Harvest Clearcut 6124 - Lowland Even-Aged No Spruce-Fir         Prescription       Clear-cut.         Specs:       Clear-cut.         Next Step       Monitoring, Natural Regen (Re-Inventory)         Treatments:       Acceptable         Acceptable       Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.         Regen:       Other         Retention is not necessary due to the size of the cut.         Site Condition       Unproductive			Acceptat	ole regene	eration is a medium	stocked ı	mix of as	spen, red	maple, balsam	fir, white spruce, pa	aper birch, and oa	k.	
Proposed Start Date:       9 /30/2021         55       54094055-Cut       3.0 6122 - Black Spruce Poletimber 63 1-50 Harvest       Clearcut       6124 - Lowland Even-Aged No Spruce-Fir       No         Prescription Clear-cut.       Specs:       No       No       No       No         Next Step Treatments:       Monitoring, Natural Regen (Re-Inventory)       No       No       No         Acceptable Regen:       Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.       No         Other Comment:       No       Site Condition       Unproductive			with the f	fisheries b	iologist.The harves	st may not	be feas	ible due t	o the size of the	e ramp and culvert	that would be nee	eded to haul	the
55       54094055-Cut       3.0 6122 - Black Spruce Poletimber       63       1-50       Harvest       Clearcut       6124 - Lowland       Even-Aged       No         Prescription Specs:       Clear-cut.       Spruce-Fir       Even-Aged       No         Next Step Treatments:       Monitoring, Natural Regen (Re-Inventory)       Image: Comparison of the cut.       Image: Comparison of the cut.       Image: Comparison of the cut.         Other       Retention is not necessary due to the size of the cut.       Image: Comment:	Sit	e Conditio	<u>n</u>										
Well     Spruce-Fir       Prescription Specs:     Clear-cut.       Next Step Treatments:     Monitoring, Natural Regen (Re-Inventory)       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	Pro	oposed Sta	art Date:	9 /30/202	:1								
Specs:         Next Step Treatments:       Monitoring, Natural Regen (Re-Inventory)         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	55	540940	55-Cut	3.0 61	22 - Black Spruce		er 63	1-50	Harvest	Clearcut		Even-Age	d No
Treatments:       Acceptable         Acceptable       Acceptable regeneration is any low to medium stocked mix of spruce, balsam fir, red maple, aspen, and/or paper birch.         Regen:       Other         Other       Retention is not necessary due to the size of the cut.         Comment:       Site Condition         Unproductive	-		Clear-cut	t.									
Regen:         Other       Retention is not necessary due to the size of the cut.         Comment:       Site Condition         Unproductive			Monitorir	ng, Natura	l Regen (Re-Inven	tory)							
Comment:       Site Condition       Unproductive	-	•	Acceptat	ole regene	eration is any low to	medium	stocked	mix of sp	ruce, balsam fir	r, red maple, aspen	, and/or paper bire	ch.	
			Retentio	n is not ne	ecessary due to the	size of th	e cut.						
Proposed Start Date: 9 /30/2021	<u>Sit</u>	e Conditio	<u>n</u> Unpro	oductive									
	Pro	pposed St	art Date:	9 /30/202	:1								

Total Treatment 173.3 Acreage Proposed:

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Dale Parris : Examiner

Compartment: 94 Year of Entry: 2023

# Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	s		
Acres	Available	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 fo	rest that slows the seasonal t	flood wate	ers 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 fo	rest that slows the seasonal t	flood wate	ers of the Thunder Bay Riv	er.		

		tlanta Mgt. Unit Parris : Examiner		Report 4 – Site Condi	tions	Compartment: 94 Year of Entry: 2023	
3	Unavailable	3G: Other Influence zones - See comments	18	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This is flood plain fo	prest that slows the seasonal fl	ood wat	ers of the Thunder Bay River.			
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	133	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	5D: Unproductive Forest Land	23	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	225	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		Atlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	nditions	Compartment: 94 Year of Entry: 202	
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
	omments: his is lowland dra	inage area.					
11	Unavailable	3G: Other Influence zones - See comments	7	Unspecified	Unspecified	Unspecified	Unspecified
	omments: his is flood plain f	orest that slows the seasonal flo	ood waters	s of the Thunder Bay Riv	/er.		
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						

		Atlanta Mgt. Unit Parris : Examiner		Report 4 – Site Co	nditions	Compartment: 94 Year of Entry: 202	
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This is retention fo	r stand 15 in compartment 94.	Retentio	n for Sale No. 54-001-013	3-01		
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
20	Unavailable	3A: Conservation Values incompatible with harvest at this time	34	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This stand is domin	nate to swamp white oak and is	low in tir	nber volume. Retain this	stand for its wildlife mast v	alue.	
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						

Report	4 – Site	Conditions
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Compartment: 94

Dale Parris : Examiner

Atlanta Mgt. Unit

Year of Entry: 2023

22	Unavailable Comments:	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
		tention for Timber Sale No. 54-0	026-16; \$	Sale Name: TBR Mile Mix	κ.		
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
25	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This is retention for	stand 15 in compartment 94. F	Retentior	n for Sale No. 54-001-013	3-01		
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
27	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						



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

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

SCA Name SCA Category Detail Type Recommendation Acres

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.

Alea	Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
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# Report 7 – Stands

Compartment: 94 Year of Entry: 2023 OF NATURAL AND

Stand	Level 4 Co	over Type	3	Size Der	isity	Acres	Stand Age B	· J ·	Managed S		General Comments
1	6113 - Lov	e Sa	Sawtimber Well		181.0	108	81-110	N/A		The red maple are consistently larger on the east side of the stand	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	although there are 18 inch plus DBH red maple throughout the stand. The red maple to the southwest are somewhat smaller in diameter. The
	Red Maple	100	XLog/Log	19	108	Rec	d Maple	Low	Variable	Sapling	BA varies from around 50 to 110. The green ash have all died out of the
						Gre	een Ash	Medium	Variable	Sapling	canopy. A majority of the stand area was holding water during the 2023 YOE 2021 winter inventory.
2	6112 - Lov	wland Aspe	n Pole	etimber	Medium	า 35.5	36	1-50	N/A		This stand is non-forested/lowland shrub in areas. After the last harvest,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	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"
	Red Maple	25	Pole/Sapling	5	36	Та	g Alder	Medium	5 - 10 feet	Tall Shrub	DBH have died due to EAB and been replaced with ash seedlings or
	Quaking Aspen	25	Pole	7	36	Will	low spp.	Medium	10 - 20 feet	Tall Shrub	stump sprouts.
	Green Ash	25	Sapling	1	11						According to timber sale records portions of this area was clear-cut in
	Balsam Poplar	25	Pole	8	36						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.
3	622 - Low	vland Shrub	)	Nonstoo	cked	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
4	6113 - Lov	wland Mapl	e Po	oletimbe	er Well	20.1	36	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. This is across between emergent wetland, lowland shrub, and low density lowland trees. There is much standing sapling sized dead ash throughout
4				oletimbe			36			Size	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 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
4	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	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 densit lowland trees. There is much standing sapling sized dead ash throughou 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
4	Canopy Species Red Maple	% Cover 91	Size Class Pole/Sapling	<b>DBH</b> 6		Sub-Can Ta	n <b>opy Species</b> g Alder	Density High	Avg. Height 5 - 10 feet	Tall Shrub	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 densit lowland trees. There is much standing sapling sized dead ash throughou 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
4	Canopy Species Red Maple Quaking Aspen	<b>% Cover</b> 91 1	Size Class Pole/Sapling Log/Pole	<b>DBH</b> 6 11	Age	Sub-Can Ta	nopy Species	Density	Avg. Height		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 densit lowland trees. There is much standing sapling sized dead ash throughout 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
4	Canopy Species Red Maple	% Cover 91	Size Class Pole/Sapling	<b>DBH</b> 6	Age	Sub-Can Ta	n <b>opy Species</b> g Alder	Density High	Avg. Height 5 - 10 feet	Tall Shrub	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 densit lowland trees. There is much standing sapling sized dead ash throughou 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
4	Canopy Species Red Maple Quaking Aspen Black Cherry	<b>% Cover</b> 91 1	Size Class Pole/Sapling Log/Pole Pole	<b>DBH</b> 6 11	Age 36	Sub-Can Ta	nopy Species g Alder	Density High	Avg. Height 5 - 10 feet	Tall Shrub	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 densit lowland trees. There is much standing sapling sized dead ash throughout 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.
	Canopy Species Red Maple Quaking Aspen Black Cherry	% Cover 91 1 8	Size Class Pole/Sapling Log/Pole Pole	<b>DBH</b> 6 11 8	Age 36	Sub-Can Tag Glossy 31.4	nopy Species g Alder v Buckthorn	Density High Low	<b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Tall Shrub	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 densit lowland trees. There is much standing sapling sized dead ash throughou 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.
	Canopy Species Red Maple Quaking Aspen Black Cherry 6112 - Lov	% Cover 91 1 8	Size Class Pole/Sapling Log/Pole Pole n Pole	DBH 6 11 8	Age 36	Sub-Can Tag Glossy 31.4 Sub-Can	g Alder g Buckthorn 36	Density       High       Low       51-80	Avg. Height 5 - 10 feet 5 - 10 feet N/A	Tall Shrut	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 throughour 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. Scattered northern white cedar and pockets of northern white cedar are present. A majority of the stand was holding water during winter inventory.
	Canopy Species Red Maple Quaking Aspen Black Cherry 6112 - Lov Canopy Species	% Cover           91           1           8           wland Aspe           % Cover           20	Size Class Pole/Sapling Log/Pole Pole n Pol Size Class	DBH 6 11 8 Deletimber	Age 36	Sub-Can Tag Glossy 31.4 Sub-Can Tag	a Alder b Buckthorn 36 a Buckthorn	Density High Low 51-80 Density	Avg. Height           5 - 10 feet           5 - 10 feet   N/A Avg. Height	Tall Shrut Tall Shrut	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 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. 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
5	Canopy Species Red Maple Quaking Aspen Black Cherry 6112 - Low Canopy Species Red Maple	% Cover           91           1           8           wland Aspe           % Cover           20	Size Class Pole/Sapling Log/Pole Pole n Pole	DBH 6 11 8 obletimber DBH 3	Age 36 er Well Age	Sub-Can Tag Glossy 31.4 Sub-Can Tag	a Alder y Buckthorn 36 a Dopy Species g Alder	Density High Low 51-80 Density Medium	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrut Tall Shrut Size Tall Shrut	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 throughour 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. Scattered northern white cedar and pockets of northern white cedar are present. A majority of the stand was holding water during winter inventory.
5	Canopy Species Red Maple Quaking Aspen Black Cherry 6112 - Lov Canopy Species Red Maple Quaking Aspen orthern White Cedar	% Cover           91           1           8   wland Aspe	Size Class Pole/Sapling Log/Pole Pole  N Pole Size Class Sapling Pole/Sapling Log	DBH         6           11         8           obletimber         DBH           3         7	Age 36 Per Well Age 36	Sub-Can Tag Glossy 31.4 Sub-Can Tag	a Alder y Buckthorn 36 a Dopy Species g Alder	Density High Low 51-80 Density Medium	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrut Tall Shrut Size Tall Shrut	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 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. 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.
5 No	Canopy Species Red Maple Quaking Aspen Black Cherry 6112 - Lov Canopy Species Red Maple Quaking Aspen orthern White Cedar	% Cover         91           1         1           8         1           wland Aspe         1           20         78           2         1	Size Class Pole/Sapling Log/Pole Pole  N Pole Size Class Sapling Pole/Sapling Log	DBH       6       11       8   Deletimble       DBH       3       7       13	Age 36 er Well Age 36 er Well	Sub-Can Tag Glossy 31.4 Sub-Can Tag Gre 14.4	36 g Alder g Buckthorn 36 <b>nopy Species</b> g Alder een Ash	Density         High         Low         51-80         Density         Medium         Medium	Avg. Height           5 - 10 feet           5 - 10 feet           N/A           Avg. Height           5 - 10 feet           Variable	Tall Shrut Tall Shrut Size Tall Shrut	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 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. 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

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

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Stand	d Level 4 Co	over Type	:	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
7	6112 - Lov	wland Aspe	n F	Poletimb	er Well	14.4	44	1-50	N/A		According to timber sale records portions of this area was clear-cut in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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.
	Red Maple	40	Pole/Sapling	6		Gr	een Ash	Low	10 - 20 feet	Sapling	The west portion of this stand ,based on records, may have also been K
	Quaking Aspen	53	Pole	7	44	Та	g Alder	Medium	5 - 10 feet	Tall Shrub	G blade cut/manual cut in a non-commercial harvest in 1977.
	Balsam Poplar	5	Pole	8		Glossy	Buckthorn	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	2	Pole/Sapling	6		Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
8	6112 - Lov	wland Aspe	n S	Sawtimb	er Well	8.0	71	51-80	N/A		This stand has an odd mix of small pole size to large log size quaking
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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
	Red Maple	45	Sapling/Pole	4	37	Ba	lsam Fir	Low	10 - 20 feet	Sapling	assume that this stand was partial harvested along with Stand 12 to the
	Quaking Aspen	45	Log/Pole	11	71	Ta	g Alder	High	5 - 10 feet	Tall Shrub	east, oddly leaving a cohort of what are now 71 year old aspen.
	Balsam Fir	10	Pole/Log	8		Bla	ack Ash	Low	Variable	Sapling	
<b>9</b> 6120 - L		owland Cedar		Sawtimb	er 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.
	Canopy Species	% Cover	Size Class	DBH	Age						pockets surrounding this stand that are mapped into other stands.
	Quaking Aspen	5	Log	15							
No	orthern White Cedar	85	Log/Pole	10	119						
	Red Maple	10	Log	16							
10	6113 - Lov	wland Mapl	e S	Sawtimb	er Well	15.9	108	51-80	N/A		Wet pockets and pockets of tag alder are present throughout the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	This stand is too wet to harvest.
	Red Maple	97	Log/XLog	16	108	Gr	een Ash	Medium	Variable	Sapling	
	Quaking Aspen	1	Log/XLog	17		Та	g Alder	Medium	5 - 10 feet	Tall Shrub	
	White Spruce	1	Pole/Log	9		Bla	ack Ash	Medium	Variable	Sapling	
No	orthern White Cedar	1	Log	15							
11	6113 - Lov	wland Mapl	e Sa	wtimber	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 ther
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	being separate stands. This stand is too wet to harvest.
	Red Maple	95	XLog/Log	20	107	Gr	een Ash	High	Variable	Sapling	
	Black Ash	5	Pole/Sapling	5							
12	6112 - Lov	wland Aspe		Poletimb		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.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	many vory wet areas but overan it call be flarvested.
	Red Maple	21	Pole/Sapling				g Alder	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	60	Pole/Sapling		37	Glossy	Buckthorn	Medium	5 - 10 feet	Tall Shrub	
	Balsam Fir	14	Pole/Sapling	6		Mich	igan 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							

# Report 7 – Stands

Compartment: 94

Year of Entry: 2023 NE DNE

Stand	d Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
13	4130		Sapling Well		10.3	2	Immature	N/A		Sparse Legacy White Pine and Red Pine are scattered throughout. This		
	Canopy Species	% Cover	Size Class	DBH	I Age						stand was harvested as part of Timber Sale Name: TBR Mile Mix; Sale No. 54-026-16 in September of 2019.	
	Red Maple	8	Sapling	1	2							
	Quaking Aspen	83	Sapling	1	2							
	Balsam Fir	5	Sapling	2	2							
	White Pine	1	XLog	30								
	Red Pine	1	XLog	26								
	White Spruce	1	Sapling	1								
	Green Ash	1	Sapling	1								
14	122 - Roa	d/Parking Lo	ot	Nonsto	ocked	11.4			No		This is an old railroad grade that is closed to vehicles. From December through March 31 the gates are opened and the trail is used groomed for snowmobiles.	
15	6112 - Lowland Aspen			Sapling I	Medium	47.8	3	Immature	N/A		The harvest on stand was completed in December of 2017. Sale Name:	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Slug Bug; Sale Number: 54-001-13-01. Everything was harvested excep for a few scattered oak.	
	Green Ash	12	Sapling	1	3	Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub		
	Quaking Aspen	62	Sapling	1	3	Mich	nigan Holly	Low	5 - 10 feet	Tall Shrub		
	Balsam Poplar	15	Sapling	1	3							
	White Spruce	3	Sapling	2								
	Paper Birch	5	Sapling	1								
	Balsam Fir	3	Sapling	3								
16	6113 - Lowland Maple S			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	
	Canopy Species	% Cover	Size Class	DBH	I Age						a scattering of white spruce. The stand is park like with a wide open	
	Red Maple	97	XLog/Log	22	108						understory. Old wind thrown trees are scattered across the stand.	
	White Spruce	3	Log/Pole	10							Some are red maple but most are the green ash that have died out of the canopy.	
17	622 - Lov	vland Shrub		Nonsto	ocked	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	

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

Stand	Level 4 C	Level 4 Cover Type			Size Density		Stand Age BA Range		Managed S	Site	General Comments
18	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
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	upland with lowland. There is mostly lower quality timber but there is some good quality white spruce scattered throughout.
Q	uaking Aspen	26	Log/Pole	12	94	Ba	Isam Fir	Low	5 - 10 feet	Sapling	
	Balsam Fir	12	Pole/Log	8		Та	ig Alder	Medium	5 - 10 feet	Tall Shrub	
V	Vhite Spruce	18	Log/Pole	10		Gloss	/ Buckthorn	High	5 - 10 feet	Tall Shrub	
North	ern White Cedar	7	Log/Pole	11		Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
	Red Maple	25	Log/Pole	12							-
Swa	amp White Oak	2	Pole	6							
	White Pine	1	Log	12							
	Paper Birch	2	Log/Pole	10							
E	Black Spruce	7	Pole	8							
19	6113 - Lov	wland Mapl	le S	awtimb	er Well	3.0	107	51-80	N/A		This is an area of forest that often floods. The stand was full of water/ic
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	covered during the 2023 YOE winter inventory. This stand is too wet to harvest.
	Red Maple	90	Log	14	107	Та	g Alder	Low	5 - 10 feet	Tall Shrub	
Swa	amp White Oak	5	Log/XLog	16	L		-				1
North	ern White Cedar	5	Log	14							
20	6113 - Lov	wland Mapl	le S	awtimb	er Well	27.6	104	171-200	N/A		This stand had standing water and was iced over during the 2023 YOE
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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
	Red Maple	98	Log/XLog/Pole		104		g Alder	Trace	5 - 10 feet	Tall Shrub	
Swa	amp White Oak	2	Log	16			0				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.
21	6130 - Fir, <i>i</i>	Aspen, Ma	ple P	oletimb	er Well	19.4	68	81-110	N/A		The white spruce and the balsam fir look to have been hit hard by spruce
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	budworm. Access to the stand is poor due to the steepness of the railroad grade.
	Red Maple	21	Log/Pole	11	-	Ba	Isam Fir	Low	Variable	Sapling	
Q	uaking Aspen	18	Log	14	90			1			
	Balsam Fir	22	Pole	8	68						
North	ern White Cedar	5	Log/Pole	13							
V	Vhite Spruce	21	Pole	8							
	amp White Oak	3	Log/Pole	11							
	Paper Birch	10	Log/Pole	10							

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

OF NATURAL PRODUCTS
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Stand	Level 4 Co	over Type		Size Dei	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	
22	6113 - Lov	9	Sawtimbe	er Well	9.0	102	111-140	N/A		This is lowland flood plain forest that slows the flow of spring flood		
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	waters. This stand is too wet to harvest. About a third of the ground are was covered by water/ice in January of 2021.	
	Red Maple	75	Log	14	102	Gr	een Ash	Medium	10 - 20 feet	Sapling		
North	ern White Cedar	7	Log	14							1	
V	Vhite Spruce	3	Log/Pole	11								
Swa	amp White Oak	5	Log/Pole	11								
	Balsam Fir	3	Pole	8								
	Basswood	7	Log/Pole	12								
23	6112 - Lov	vland Aspei	n s	Sawtimbe	er Well	17.0	48	81-110	N/A		This stand is ready for harvest. The aspen will begin to diminish in	
Canopy Specie		s % Cover Size Clas		DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	quality in the near future due to the high soil moisture.	
	Red Maple	15	Pole/Log	9		Ba	Isam Fir	Medium	10 - 20 feet	Sapling		
	White Oak	2	Log	10		Gr	een Ash	Low	10 - 20 feet	Sapling		
Q	uaking Aspen	66	Log/Pole	10	48	Та	ig Alder	Low	5 - 10 feet	Tall Shrub		
	Balsam Fir	10	Pole	7		Gloss	/ Buckthorn	Medium	5 - 10 feet	Tall Shrub		
E	Black Cherry	2	Pole/Sapling	g 5		Bla	ck Cherry	Low	Variable	Sapling		
Bi	igtooth Aspen	5	Log/Pole	10	48					1		
24	6113 - Lov	vland Maple	e :	Sawtimber Well		39.8 103		111-140	N/A		Streams run through and the northern two arms of this stand and	
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height Size		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 202	
	Red Maple	98	Log/Pole	12	103	Re	d Maple	Low	10 - 20 feet	Sapling		
Swa	amp White Oak	2	Log/Pole	13		Gr	een Ash	Medium	Variable	Sapling		
						Ba	lsam Fir	Trace	Variable	Sapling		
25	6113 - Lowland Maple		e (	Sawtimber V		26.0	128	141-170	N/A		This is lowland flood plain forest that slows the flow of spring flood	
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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.	
Red Maple		80	Log/XLog	16	128	Bl	ack Ash	High	Variable	Sapling	2023 Inventory BA Measurements (190, 150, 140) Scattered Legacy	
North	ern White Cedar	5	Log/XLog	15							silver maple are present. Silver maple and red maple are represented	
	Basswood	10	Log	12							under the red maple callout due to the difficulty of telling the two apart.	
Swa	amp White Oak	5	Log	13								
26	500 -	Water		Nonsto	cked	12.8			No		This is the Thunder Bay River.	

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

NR

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
27	6117 - Lowland Deciduous, Mixe Coniferous		Mixed	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
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	appears to be healthy and hanging on quite well.
	Red Maple	24	Log	12		Bal	sam Fir	Low	Variable	Sapling	
	Paper Birch	5	Log/Pole	10		Bla	ack Ash	Low	Variable	Sapling	
Sv	wamp White Oak	35	Log/Pole	12	109	Whit	e Spruce	Low	Variable	Sapling	
	White Spruce	10	Log/Pole	12		Michi	gan Holly	Medium	5 - 10 feet	Tall Shrub	
	Balsam Fir	10	Pole/Sapling	g 6		Та	g Alder	Low	5 - 10 feet	Tall Shrub	
(	Quaking Aspen	10	Log	11		Glossy	Buckthorn	Low	5 - 10 feet	Tall Shrub	
Nor	thern White Cedar	1	Log	16		Musclewo	od/Hornbeam	Low	10 - 20 feet	Sapling	
	Basswood	5	Log/Pole	11							-
28	6117 - Lowland Con	Deciduous, iferous	, Mixed	Sawtimbe	er 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 the stand, especially to the north, should be marked out of a harvest due to the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	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
	Red Maple	38	Log/Pole	13	91	Re	d Maple	Low	5 - 10 feet	Sapling	canopy. Red maple saplings are dense in the understory in the
(	Quaking Aspen	20	Log	15	91	Bal	sam Fir	Medium	Variable	Sapling	northwest region of the stand. There is an opening in the southern area
	Balsam Fir	20	Log/Pole	10		Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	of the stand that is speckled with and lined with white pine.
	Basswood	5	Log/Pole	12		Whit	e Spruce	Low	Variable	Sapling	
	Paper Birch	10	Log/Pole	11							-
	White Pine	1	XLog/Log	18							
Nor	thern White Cedar	1	Log/Pole	12							
29	500	- Water		Nonsto	cked	6.2			No		This is a flooded area that connects northern streams to the Thunder Ba River to the south. The flooded area is lined along the edges with lowland shrub.
30	6115 - Lo	owland Ash		Sapling N	ledium	7.9	17 I	mmature	N/A		This long narrow sapling stand is the result of a straight line wind that
	Canopy Species	% Cover	Size Class	DBH	Age						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
	Red Maple	34	Sapling	2	17						
	Green Ash	33	Sapling	3	17						
	Black Ash	33	Sapling	3	17						
31	6233 - W	/et Meadow	1	Nonsto	cked	12.9	I	mmature	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.

# Report 7 – Stands



Stand	tand Level 4 Cover Type			Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
32	6119 - Mixed Lowla					6.8	83	51-80	N/A		The swamp white oak are likely highly variable and age. The stand is too to the harvest.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Log/Pole			Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
No	orthern White Cedar	10	Log	13		Gr	een Ash	Full	Variable	Sapling	
5	Swamp White Oak	79	Log/Pole	11	83	Ba	lsam Fir	Low	5 - 10 feet	Sapling	
	White Spruce	2	Log/Pole			Whi	te Spruce	Trace	Variable	Sapling	
	Quaking Aspen	2	Log	17							
	Basswood	2	Pole	7							
33	6113 - Lov	wland Map	le S	Sawtimbe	Mediun	n 27.6	108	51-80	N/A		This stand was holding a lot of water in January of 2021. This stand is to wet the harvest. The stand has an old road running north south through
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	it. All green ash that were in the canopy have died.
	Red Maple	99	Log/XLog	16	108	Gr	een Ash	Medium	Variable	Sapling	
No	orthern White Cedar	1	Log	15		Та	ag Alder	Low	10 - 20 feet	Tall Shrub	
34	6112 - Lov	wland Aspe	en	Sawtimb	er 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.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Aspen look to be reasonably solid.
	Red Maple	15	Log	12		Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Balsam Poplar	25	Log/Pole	12		Bals	am Poplar	Low	Variable	Sapling	
	Quaking Aspen	40	Log/XLog	16	108	Bl	ack Ash	Medium	Variable	Sapling	
	Paper Birch	5	Log/Pole	10		Ba	lsam Fir	Low	Variable	Sapling	
	Balsam Fir	10	Pole	7		Whi	te Spruce	Low	Variable	Sapling	
	White Spruce	5	Pole	7							
35	629 - Mixed non	n-forested v	wetland	Nonsto	ocked	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.
36	6113 - Lov	wland Map	le	Sawtimb	er Well	20.3	107	111-140	N/A		This is low ground with large diameter trees. Truax creek (maybe a
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	seasonal drainage) runs through the west end of the stand. There is a three culvert (approx. 20" 3.5', & 18" diameters) ground crossing that
	Red Maple	98	Log/XLog	17	107	Gr	een Ash	High	Variable	Sapling	goes across the creek. If used for a harvest the crossing would need
	Balsam Poplar	2	Pole	8							stone placement maintenance.
37				Nonsto	ocked	8.5		Immature	No		For all intensive management purposes this is lowland shrub. There ar 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.
38	310 - Herbac	eous Oper	nland	Nonsto	ocked	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 dea ash are mostly standing but are starting to fall out of the canopy.
39	310 - Herbac	eous Oper	nland	Nonsto	ocked	1.4		Immature	No		This may be closer to lowland herbaceous. This is slightly higher groun than the sand to the east.

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

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Stand	Level 4 C		Size De	ensity	Acres	Acres Stand Age BA		Managed	Site	General Comments	
40	6112 - Lov	wland Aspe	n	Poletimber Well		23.8	44	51-80	N/A		Based on records, this area may have also been K-G blade cut/manual
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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
	Red Maple	23	Pole/Sapling	g 6		Gr	een Ash	Low	10 - 20 feet	Sapling	a half acre cedar pocket in the east end of the stand.
	Quaking Aspen	70	Pole/Log	9	44	Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Balsam Poplar	5	Pole	8		Gloss	y Buckthorn	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	2	Pole/Sapling	g 6		Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
41	6112 - Lov	wland Aspe	n	Poletimb	er Well	6.7	44	51-80	N/A		Based on records, this area may have also been K-G blade cut/manual
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cut in a non-commercial harvest in 1977. There are some higher ground ridges heavier to balsam fir.
	Red Maple	15	Pole/Sapling	g 6		Gr	een Ash	Low	10 - 20 feet	Sapling	
	Quaking Aspen	58	Pole	8	44	Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	White Spruce	5	Pole	6		Dogv	vood (spp.)	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	20	Pole	7		Gloss	y Buckthorn	Low	5 - 10 feet	Tall Shrub	
	Black Cherry	2	Pole	6		Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
42	622 - Lov	wland Shrub	)	Nonsto	ocked	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.
43	6113 - Lo	wland Maple	е	Sawtimb	er Well	2.8	104	51-80	N/A		This is lowland flood plain forest that slows the flow of spring flood waters
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	95	Log	13	104	Whi	te Spruce	Low	Variable	Sapling	
No	rthern White Cedar	5	Log	12		Prie	ckly Pear	Low	5 - 10 feet	Tall Shrub	
						Gr	een Ash	Medium	< 5 feet	Sapling	
44	6113 - Lo	wland Maple	e	Sawtimb	er Well	4.2	104	51-80	N/A		This is lowland flood plain forest that slows the flow of spring flood waters
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	95	Log	13	104	Whi	te Spruce	Low	Variable	Sapling	
No	rthern White Cedar	5	Log	12		Pri	ckly Pear	Low	5 - 10 feet	Tall Shrub	
						Gr	een Ash	Medium	< 5 feet	Sapling	
45	6139 - Mixed	Lowland Fo	orest S	awtimbe	r Mediun	n 4.5	74	1-50	N/A		There is a vein dominant two white spruce along the northern edge of the
	<b>Canopy Species</b>	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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
	Red Maple	35	Log/Pole	12	98	Gr	een Ash	Medium	Variable	Sapling	of age. This white spruce tree grew very fast early on but now is putting
	Quaking Aspen	15	Log	14		Та	ag Alder	High	5 - 10 feet	Tall Shrub	on diameter very slowly.
	Balsam Fir	5	Pole/Log	9		Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
	White Spruce	45	Pole/Log	8	74	Gloss	y Buckthorn	Low	5 - 10 feet	Tall Shrub	
46	500	- Water		Nonsto	ocked	9.4	0		No		This is the Thunder Bay River.

# Report 7 – Stands

MICHIGAN
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Stand		over Type	c	Size De	neity	Acres	Stand Age E	A Pango	Managed	Sito	General Comments
								•	•	Sile	
47	6113 - Lo	wland Maple	e Sav		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
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand.
	Red Maple	88	Log	13	102	Gr	een Ash	Medium	< 5 feet	Sapling	
	White Spruce	5	Pole/Log	8		Та	g Alder	Medium	5 - 10 feet	Tall Shrub	
Sw	amp White Oak	2	Log/Pole	12		Whit	e Spruce	Low	Variable	Sapling	
C	Quaking Aspen	5	Log	17							
48	500	- Water		Nonsto	ocked	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 - Lo	wland Maple	e Sa	awtimb	er Well	6.1	104	141-170	N/A		Most of the stand was holding water and frozen over during the 2023
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	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.
	Red Maple	90	Log/XLog/Pole	13	104	Gr	een Ash	Medium	< 5 feet	Sapling	a contract of the west but with a higher density of swamp white but.
Sw	vamp White Oak	10	Log	14							
50	6113 - Lo	wland Maple	e Sa	awtimb	er Well	33.6	89	51-80	N/A		This stand has a small pole sized component of red maple in areas.
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Scattered cedar and cedar pockets are present. This stand is too wet to harvest.
	Red Maple	75	Log/Pole	12	89	Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
Nort	hern White Cedar	10	Log	13		Та	g Alder	Medium	5 - 10 feet	Tall Shrub	
C	Quaking Aspen	15	Log	16		Glossy	Buckthorn	Medium	5 - 10 feet	Tall Shrub	
51	6120 - Lo	wland Ceda	r Sa	awtimb	er Well	3.7	112	81-110	N/A		This is slightly higher ground than the surrounding floodplain forest.
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Log	13		Та	g Alder	Low	5 - 10 feet	Tall Shrub	
Nort	hern White Cedar	62	Log	12	112	Ba	sam Fir	Low	Variable	Sapling	
Sw	amp White Oak	15	Log/Pole	11		Whit	e Spruce	Trace	Variable	Sapling	
	Balsam Fir	5	Log	11		Gr	een Ash	Low	< 5 feet	Sapling	
	White Spruce	5	Log/Pole	11							
	Basswood	2	Log	12							
C	Quaking Aspen	1	Log	16							
52	6113 - Lo	wland Maple	e Sa	awtimb	er Well	1.2	108	51-80	N/A		This is lowland flood plain forest that slows the flow of spring flood
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	waters.
	Red Maple	86	Log	14	108	Pric	kly Pear	Low	5 - 10 feet	Tall Shrub	
Nort	hern White Cedar	5	Log/Pole	11		Gr	een Ash	Medium	Variable	Sapling	
0	amp White Oak	2	Log/XLog	16		Glossy	Buckthorn	Low	5 - 10 feet	Tall Shrub	
20											

# Report 7 – Stands



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Stand	Level 4 Co	over Type	:	Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
53	6113 - Lov	wland Mapl	e S	awtimber Well	5.1	108		N/A		This is lowland flood plain forest that slows the flow of spring flood waters
Cano	opy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Rec	d Maple	89	Log/Pole	14 108	Gi	een Ash	Low	Variable	Sapling	
Northern	White Cedar	5	Log	14	Pri	ckly Pear	Low	5 - 10 feet	Tall Shrub	
Bas	sswood	5	Log	14	Gloss	y Buckthorn	Low	5 - 10 feet	Tall Shrub	
Swamp	White Oak	1	Log	16						
54	6113 - Lov	wland Mapl	e S	awtimber Well	0.6	108	51-80	N/A		This is lowland flood plain forest that slows the flow of spring flood
Cano	opy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	waters.
Rec	d Maple	86	Log	14 108	Pri	ckly Pear	Low	5 - 10 feet	Tall Shrub	
Northern	White Cedar	5	Log/Pole	11	Gi	een Ash	Medium	Variable	Sapling	
Swamp	White Oak	2	Log/XLog	16	Gloss	y Buckthorn	Low	5 - 10 feet	Tall Shrub	
Bas	sswood	7	Log	14						
55	6122 - Bl	ack Spruce	e P	oletimber Well	21.2	63	1-50	N/A		Most of this stand is unproductive forest land. The southern portion of the
Cano	opy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand is thicker to black spruce and may be harvestable.
Quaki	ing Aspen	3	Log	11	Gloss	y Buckthorn	High	5 - 10 feet	Tall Shrub	
Bals	lsam Fir	13	Pole/Sapling	6	Ta	ag Alder	Medium	< 5 feet	Tall Shrub	
Black	k Spruce	71	Pole	6 63	Mich	igan Holly	High	5 - 10 feet	Tall Shrub	
Northern	White Cedar	5	Pole/Log	9	Ba	Ilsam Fir	Low	Variable	Sapling	
Red	d Maple	8	Log/Pole	10	Pa	per Birch	Low	>20 feet	Sapling	
56	622 - Low	/land Shrut	)	Nonstocked	1.9	0		No		
		vland Shruk		Nonstocked	1.9 4.9	0 108	51-80	No N/A		This is lowland flood plain forest that slows the flow of spring flood water
57		wland Mapl		awtimber Well DBH Age	4.9		51-80 Density		Size	This is lowland flood plain forest that slows the flow of spring flood water
57 Cano	6113 - Lov	wland Mapl	e S	awtimber Well	4.9 Sub-Ca	108		N/A	Size Tall Shrub	This is lowland flood plain forest that slows the flow of spring flood water
57 Cano Red	6113 - Lov opy Species	wland Mapl % Cover	e S Size Class	awtimber Well DBH Age	4.9 <b>Sub-Ca</b> Pri	108 nopy Species	Density	N/A Avg. Height		
57 Cano Red Northern	6113 - Lov opy Species d Maple	wland Mapl <b>% Cover</b> 86	e S Size Class Log	<b>DBH Age</b> 14 108	4.9 Sub-Ca Pri Gi	108 nopy Species ckly Pear	Density Low	N/A Avg. Height 5 - 10 feet	Tall Shrub	
57 Cano Red Northern Swamp	6113 - Lov opy Species d Maple white Cedar	wland Mapl % Cover 86 5	e S Size Class Log Log/Pole	Bawtimber Well DBH Age 14 108 11	4.9 Sub-Ca Pri Gi	108 nopy Species ckly Pear een Ash	DensityLowMedium	N/A Avg. Height 5 - 10 feet Variable	Tall Shrub Sapling	
57 Cano Red Northern Swamp Bas	6113 - Lov opy Species d Maple White Cedar o White Oak sswood	wland Mapl % Cover 86 5 2	e S Size Class Log Log/Pole Log/XLog Log	Bawtimber Well DBH Age 14 108 11 16	4.9 Sub-Ca Pri Gi	108 nopy Species ckly Pear een Ash y Buckthorn	DensityLowMedium	N/A Avg. Height 5 - 10 feet Variable	Tall Shrub Sapling	This is lowland flood plain forest that slows the flow of spring flood
Red Northern Swamp Bas 58	6113 - Lov opy Species d Maple White Cedar o White Oak sswood	wland Mapl % Cover 86 5 2 7 wland Mapl	e S Size Class Log Log/Pole Log/XLog Log	DBH Age           14         108           11         16           14         14	4.9 Sub-Ca Pri Gloss 16.7	108 nopy Species ckly Pear een Ash y Buckthorn	DensityLowMediumLow	N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet	Tall Shrub Sapling	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
57 Cano Red Northern Swamp Bas 58 58 Cano	6113 - Lov opy Species d Maple White Cedar White Oak sswood 6113 - Lov	wland Mapl % Cover 86 5 2 7 wland Mapl	e S Size Class Log Log/Pole Log/XLog Log e S	Cawtimber Well       DBH Age       14     108       11     16       14     200	4.9 Sub-Ca Pri Gloss 16.7 Sub-Ca	108 nopy Species ckly Pear een Ash y Buckthorn 102	Density Low Medium Low	N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A	Tall Shrub Sapling Tall Shrub	This is lowland flood plain forest that slows the flow of spring flood
57 Cano Red Northern Swamp Bas 58 58 Cano Red	6113 - Lov opy Species d Maple White Cedar o White Oak sswood 6113 - Lov opy Species	wland Mapl % Cover 86 5 2 7 wland Mapl % Cover	e S Size Class Log Log/Pole Log/XLog Log E S Size Class	awtimber Well       DBH Age       14       14       16       14   awtimber Well       BBH Age	4.9 Sub-Ca Pri Gloss 16.7 Sub-Ca	108 nopy Species ckly Pear een Ash y Buckthorn 102 nopy Species	Density Low Medium Low 111-140 Density	N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height	Tall Shrub Sapling Tall Shrub	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
57 Cano Red Northern Swamp Bas 58 58 Cano Red Northern	6113 - Lov opy Species d Maple White Cedar o White Oak sswood 6113 - Lov opy Species d Maple	Wand Mapl % Cover 86 5 2 7 Wand Mapl % Cover 85	e S Size Class Log/Pole Log/XLog Log E S Size Class Log/XLog	DBH Age       14     108       11     1       16     1       14     108       16     1       16     1	4.9 Sub-Ca Pri Gloss 16.7 Sub-Ca	108 nopy Species ckly Pear een Ash y Buckthorn 102 nopy Species	Density Low Medium Low 111-140 Density	N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height	Tall Shrub Sapling Tall Shrub	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

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

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<b>59</b> 6113 - Lo	wland Map		awtime	oer Well	5.2	88	111-140	N/A		This is typical red maple flood plain forest. The red maple, most likely,
Canopy Species		Size Class		I Age		py Species	Density	Avg. Height	Size	are highly variable in age. There is a pocket in the north end of the
Red Maple	93	Log/XLog	15	88		k Ash	Medium	10 - 20 feet	Sapling	stand, that can be seen in the 1998 imagery, that was holding water in the winter of 2020.
Basswood	5	Log/Pole	12	00	Dido	11/10/1	Weardin	10 201000	Oupling	
Swamp White Oak	2	Log	13							
<b>60</b> 4139 - Aspen,	Mixed Dec	iduous S	Sawtimb	oer Well	3.7	57	81-110	N/A		This stand has large healthy bigtooth aspen on the higher ground to the
Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	northwest. The ground to the south is lower and more dominate to red
Red Maple	45	Log/Pole	12	J		Maple	Low	10 - 20 feet	Sapling	maple. There is some nice sparse white spruce regeneration growing in the understory. The swamp white oak are mostly along the boundaries
Bigtooth Aspen	50	Log/Pole	10	57		am Fir	Low	10 - 20 feet	Sapling	the stand.
Swamp White Oak	5	Log/Pole	12		White	Spruce	Trace	Variable	Sapling	
		0		I		d/Hornbeam	Low	>20 feet	Sapling	
<b>61</b> 6113 - Lo	wland Map	le S	Sawtimb	oer Well	10.0	116	111-140	N/A		This is lowland flood plain forest that slows the flow of spring flood
Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	awaters. Scattered Legacy silver maple are present. Silver maple and r maple are represented under the red maple callout due to the difficulty
Red Maple	85	XLog/Log	19	116	Balsa	am Fir	Low	10 - 20 feet	Sapling	telling the two apart.
Basswood	15	Log	14		Blac	k Ash	Medium	10 - 20 feet	Sapling	
					Prickl	y Pear	Low	5 - 10 feet	Tall Shrub	
				L			2011			1
<b>62</b> 42330 -	Upland Fir	F	oletim	ber Well		65	51-80	N/A		Most of aspen have fallen out/aged out of the canopy and the stand has
62 42330 - Canopy Species	•	F Size Class		ber Well	5.0	65 opy Species			Size	1
02	•				5.0 <b>Sub-Cano</b>		51-80	N/A		Most of aspen have fallen out/aged out of the canopy and the stand ha
Canopy Species	% Cover	Size Class	DBH	I Age	5.0 Sub-Cano Balsa	py Species	51-80 Density	N/A Avg. Height	Size	Most of aspen have fallen out/aged out of the canopy and the stand ha
Canopy Species Balsam Fir	• <b>% Cover</b>	Size Class Pole	DBH 6	I Age	5.0 Sub-Cano Balsa	<b>ppy Species</b> am Fir	51-80 Density Low	N/A <b>Avg. Height</b> 10 - 20 feet	<b>Size</b> Sapling	Most of aspen have fallen out/aged out of the canopy and the stand ha
Canopy Species Balsam Fir Quaking Aspen	<b>% Cover</b> 74 15	Size Class Pole Log/Pole	<b>DBH</b> 6 13	I Age	5.0 Sub-Cano Balsa	<b>ppy Species</b> am Fir	51-80 Density Low	N/A <b>Avg. Height</b> 10 - 20 feet	<b>Size</b> Sapling	Most of aspen have fallen out/aged out of the canopy and the stand ha
Canopy Species Balsam Fir Quaking Aspen Paper Birch	% Cover           74           15           5	Size Class Pole Log/Pole Pole	<b>DBH</b> 6 13 6	I Age	5.0 Sub-Cano Balsa	<b>ppy Species</b> am Fir	51-80 Density Low	N/A <b>Avg. Height</b> 10 - 20 feet	<b>Size</b> Sapling	Most of aspen have fallen out/aged out of the canopy and the stand ha
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak	% Cover           74           15           5           5           1	Size Class Pole Log/Pole Log/Pole Log/Pole	DBH 6 13 6 12 12	I Age	5.0 Sub-Cano Balsa Blac	<b>ppy Species</b> am Fir	51-80 Density Low	N/A <b>Avg. Height</b> 10 - 20 feet	<b>Size</b> Sapling	Most of aspen have fallen out/aged out of the canopy and the stand had been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce	% Cover           74           15           5           1           0           1	Size Class Pole Log/Pole Log/Pole Log/Pole	DBH           6           13           6           12           3awtimt	65	5.0 Sub-Cano Balsa Blac 7.2	am Fir k Ash	51-80 Density Low Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet	<b>Size</b> Sapling	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.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No	% Cover           74           15           5           1           0           1	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods	DBH           6           13           6           12           3awtimt	65 65 0 0 0 0 0 0 0 0 0 0 0 0 0	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano	ppy Species am Fir k Ash 74	51-80 Density Low Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A	Size Sapling Sapling	Most of aspen have fallen out/aged out of the canopy and the stand had been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No Canopy Species	% Cover           74           15           5           1           orthern Har           % Cover	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods Size Class	DBH           6           13           6           12           12           3	H Age 65 ber Well	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano Balsa	ppy Species am Fir k Ash 74 ppy Species	51-80 Density Low Medium 51-80 Density	N/A <b>Avg. Height</b> 10 - 20 feet 10 - 20 feet N/A <b>Avg. Height</b>	Size Sapling Sapling Size	Most of aspen have fallen out/aged out of the canopy and the stand ha been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No Canopy Species Red Maple	% Cover           74           15           5           11           5           1           0           0           0           0           0           10           11           0           0           0           0           0           0           0           0           0           10	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods Size Class Log Log	DBH 6 13 6 12 12 2 5 awtimb 5 0 BH 11	H Age 65 ber Well	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano Balsa Blac	74 74 74 77 74 74	51-80 Density Medium 51-80 Density Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height Variable	Size Sapling Sapling Size Sapling	Most of aspen have fallen out/aged out of the canopy and the stand ha been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No Canopy Species Red Maple Balsam Poplar	% Cover           74           15           5           1           1           5           1           orthern Har           % Cover           72           5	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods Size Class Log Log Log/Pole	DBH           6           13           6           12           12           3awtimt           DBH           11           11	H Age 65 ber Well	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano Balsa Blac Musclewoo	74 74 74 74 74 74 74 74 74 74	51-80 Density Medium 51-80 Density Medium	N/A <b>Avg. Height</b> 10 - 20 feet 10 - 20 feet N/A <b>Avg. Height</b> Variable 10 - 20 feet	Size Sapling Sapling Sapling Size Sapling Sapling	Most of aspen have fallen out/aged out of the canopy and the stand ha been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No Canopy Species Red Maple Balsam Poplar Quaking Aspen	% Cover           74           15           5           1           0           1           0           1           0           1           0           1           0           72           5           5           5	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods Size Class Log Log/Pole Log	DBH 6 13 6 12 12 5awtimb 5 5awtimb 11 11 11	H Age 65 ber Well	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano Balsa Blac Musclewoo	74 74 py Species am Fir k Ash fir k Ash d/Hornbeam	51-80 Density Low Medium 51-80 Density Medium Medium Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height Variable 10 - 20 feet 10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Most of aspen have fallen out/aged out of the canopy and the stand hat been taken over by the balsam fir that was growing in the understory.
Canopy Species Balsam Fir Quaking Aspen Paper Birch Swamp White Oak White Spruce 63 4119 - Mixed No Canopy Species Red Maple Balsam Poplar Quaking Aspen Paper Birch	% Cover           74           15           5           1           5           1           orthern Har           % Cover           72           5           5           5           5           5           5           5           5           5           5           5           5           5           5	Size Class Pole Log/Pole Log/Pole Log/Pole dwoods Size Class Size Class Log Log/Pole Log	DBH 6 13 6 12 12 Sawtimb 5 DBH 11 11 15 10	H Age 65 ber Well	5.0 Sub-Cano Balsa Blac 7.2 Sub-Cano Balsa Blac Musclewoo	74 74 py Species am Fir k Ash fir k Ash d/Hornbeam	51-80 Density Low Medium 51-80 Density Medium Medium Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height Variable 10 - 20 feet 10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Most of aspen have fallen out/aged out of the canopy and the stand hat been taken over by the balsam fir that was growing in the understory.

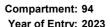
# Report 7 – Stands

Compartment: 94 Year of Entry: 2023

DNR MICHIGAN
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Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	lite	General Comments
65	6117 - Lowland I Conii	Deciduous ferous	, Mixed Sa	awtimber 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
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	constraints. Similar swamp white oak in the stand to the north aged at 108 years in the winter of 2020.
S	wamp White Oak	30	Log/Pole	12 109	Ba	alsam Fir	Low	Variable	Sapling	
	Balsam Fir	10	Pole/Sapling	g 6	Wh	ite Spruce	Low	Variable	Sapling	
	White Spruce	5	Log/Pole	12	В	lack Ash	High	Variable	Sapling	
Nor	rthern White Cedar	10	Log	14						
	Red Maple	25	Log/Pole	12						
66	622 - Low	land Shrut	)	Nonstocked	1.5	0		No		There is a sparse log sized red maple canopy. For all intensive management purposes, this is lowland shrub.
67	7 310 - Herbaceous Openland		land	Nonstocked		0		No		This is a nice upland pocket amongst lowland stands. Scattered log sized oak are present with shorter bushy open grown white pine.
68				Sapling Medium	3.2	2	mmature	N/A		This stand was harvested as part of Timber Sale Name: TBR Mile Mix; Sale No. 54-026-16 in September of 2019.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	20	Sapling	2						
	Quaking Aspen	78	Sapling	1 2						
	Balsam Fir	2	Sapling	1						
69	6112 - Low	land Aspe	n s	Sapling Medium	1.4	2 I	mmature	N/A		This stand was harvested as part of Timber Sale Name: TBR Mile Mix;
	Canopy Species	% Cover	Size Class	DBH Age						Sale No. 54-026-16 in September of 2019.
	Quaking Aspen	60	Sapling	1 2						
	Balsam Fir	10	Sapling	2						
	White Spruce	5	Sapling	2						
	Red Maple	25	Sapling	2						
70		wland 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.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Red Maple	31	Log	12	Ba	alsam Fir	Low	10 - 20 feet	Sapling	
	Quaking Aspen	2	Log	16	T	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Balsam Fir	15	Pole/Log	8	Wh	ite Spruce	Medium	Variable	Sapling	
Nor	rthern White Cedar	15	Log	13						
	White Pine	5	XLog	30						
	White Spruce	32	Pole/Log	9 86						

# Report 7 – Stands



											Year of Entry: 2023
Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
71	6130 - Fir, A	Aspen, Map	ble	Sawtimb	er Well	5.1	94	51-80	N/A		poor quality timber.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
(	Quaking Aspen	26	Log/Pole	12	94	Ba	alsam Fir	Low	5 - 10 feet	Sapling	
	Balsam Fir	12	Pole/Log	8		Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	White Spruce	18	Log/Pole	10		Gloss	y Buckthorn	High	5 - 10 feet	Tall Shrub	
Nor	rthern White Cedar	7	Log/Pole	11		Mich	nigan Holly	Low	5 - 10 feet	Tall Shrub	
	Red Maple	25	Log/Pole	12						·	-
SI	wamp White Oak	2	Pole	6							
	White Pine	1	Log	12							
	Paper Birch	2	Log/Pole	10							
	Black Spruce	7	Pole	8							
72	6113 - Lov	vland Maple	е	Sawtimb	er 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.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sinub dominate areas are present.
	Red Maple	92	XLog/Log	20	108	Ta	ag Alder	High	5 - 10 feet	Tall Shrub	
	Balsam Fir	5	Log/Pole	10		Gr	een Ash	Low	Variable	Sapling	
	White Spruce	1	Log/Pole	10		BI	ack Ash	Low	Variable	Sapling	
(	Quaking Aspen	2	1			01	Design of the second				
	Quaking Aspen	2	Log	14		GIOSS	y Buckthorn	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	Z	Log	14			y Buckthorn higan Holly	Low	5 - 10 feet 5 - 10 feet	Tall Shrub Tall Shrub	4
73	6118 - Lowland De		0	Sawtimb	er Well	Mich	,				This was not originally planned as a separate stand during the original
	0	eciduous w	0	Sawtimb	er Well	Mich 7.8	igan Holly	Low	5 - 10 feet		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
	6118 - Lowland De	eciduous w	ith Cedar	Sawtimb	Age	Mich 7.8 Sub-Ca	nigan Holly 102	Low 81-110	5 - 10 feet N/A	Tall Shrub	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
	6118 - Lowland De	eciduous w <b>% Cover</b>	ith Cedar Size Class	Sawtimb DBF	Age	Mich 7.8 <b>Sub-Ca</b> Ta	nigan Holly 102 nopy Species	Low 81-110 Density	5 - 10 feet N/A Avg. Height	Tall Shrub	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
	6118 - Lowland De Canopy Species Red Maple	eciduous w <b>% Cover</b> 35	ith Cedar Size Class Log	Sawtimb DBH	Age	Mich 7.8 Sub-Ca Ta Gr	102 nopy Species	Low 81-110 Density Low	5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub	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
	6118 - Lowland De Canopy Species Red Maple Balsam Fir	eciduous w % Cover 35 15	ith Cedar Size Class Log Pole/Log	Sawtimb DBH 13 8	Age	Mich 7.8 Sub-Ca Ta Gr Bl	102 nopy Species ag Alder reen Ash	Low 81-110 Density Low Low	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable	Tall Shrub Size Tall Shrub Sapling	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.
(	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce	eciduous w % Cover 35 15 5	ith Cedar Size Class Log Pole/Log Pole/Log	Sawtimb DBH 13 8 8	Age	Mich 7.8 Sub-Ca Ta Gr Bl	102 102 nopy Species ag Alder reen Ash ack Ash	Low 81-110 Density Low Low Low	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable	Size         Tall Shrub         Sapling         Sapling	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.
( Nor	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland O	eciduous w % Cover 35 15 5 25 20	ith Cedar Size Class Log Pole/Log Pole/Log Log Log	Sawtimb DBH 13 8 8 8 12	1 Age 102	Mich 7.8 Sub-Ca Ta Gr Bl	102 102 nopy Species ag Alder reen Ash ack Ash	Low 81-110 Density Low Low Low	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable	Size         Tall Shrub         Sapling         Sapling	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.
( Nor 74	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland O	eciduous w <b>Cover</b> 35 15 5 25 20 Coniferous, duous	ith Cedar Size Class Log Pole/Log Pole/Log Log Log	Sawtimb DBF 13 8 8 12 13 Sawtimb	1 Age 102	Mich 7.8 Sub-Ca Ta Gr Bl Mich 2.1	102 102 nopy Species ag Alder reen Ash ack Ash higan Holly	Low 81-110 Density Low Low Low Low	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet	Size         Tall Shrub         Sapling         Sapling	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.
( Nor 74	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland C Deci	eciduous w <b>Cover</b> 35 15 5 25 20 Coniferous, duous	ith Cedar Size Class Log Pole/Log Pole/Log Log Log	Sawtimb DBF 13 8 8 12 13 Sawtimb	I Age 102	Mich 7.8 Sub-Ca Gr Bl Mich 2.1 Sub-Ca	102 nopy Species ag Alder reen Ash ack Ash higan Holly 86	Low           81-110           Density           Low           Low           Low           Low           Low           51-80	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A	Size         Tall Shrub         Tall Shrub         Sapling         Sapling         Tall Shrub	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.
( Nor <b>74</b>	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland O Deci Canopy Species	eciduous w % Cover 35 15 5 25 20 Coniferous, duous % Cover	ith Cedar Size Class Log Pole/Log Log Log Mixed Size Class	Sawtimb DBH 13 8 8 12 13 Sawtimb	I Age 102	Mich 7.8 Sub-Ca Gr Bl Mich 2.1 Sub-Ca Ba	102 nopy Species ag Alder een Ash ack Ash nigan Holly 86 nopy Species	Low 81-110 Density Low Low Low 51-80	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet N/A Avg. Height	Tall Shrub Size Tall Shrub Sapling Sapling Tall Shrub	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.
( Nor 74	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland O Deci Canopy Species Red Maple	eciduous w % Cover 35 15 5 25 20 Coniferous, duous % Cover 31	ith Cedar Size Class Log Pole/Log Log Log Mixed Size Class Log	Sawtimb DBI 13 8 8 12 13 Sawtimb DBI 12 12	I Age 102	Mich 7.8 Sub-Ca Gr Bl Mich 2.1 Sub-Ca Ba Ta	higan Holly 102 nopy Species ag Alder reen Ash ack Ash higan Holly 86 nopy Species alsam Fir	Low Low Low Low Low Low Low Low Low Low Low Low	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet S - 10 feet N/A Avg. Height 10 - 20 feet	Tall Shrub         Size         Tall Shrub         Sapling         Sapling         Tall Shrub         Size         Sapling         Sapling         Sapling         Sapling	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.
( Nor 74	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland O Deci Canopy Species Red Maple Quaking Aspen	eciduous w	ith Cedar Size Class Log Pole/Log Log Log Mixed Size Class Log Log	Sawtimb DBH 13 8 8 12 13 13 Sawtimb Sawtimb DBH 12 12 16	I Age 102	Mich 7.8 Sub-Ca Gr Bl Mich 2.1 Sub-Ca Ba Ta	102 102 102 102 102 102 102 102	Low Low Low Low Low Low Low Low Low Low Low Low Low Low Medium	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Tall Shrub         Size         Tall Shrub         Sapling         Sapling         Tall Shrub         Sapling         Sapling         Tall Shrub         Sapling         Tall Shrub         Tall Shrub         Size         Sapling         Tall Shrub	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.
( Nor 74	6118 - Lowland De Canopy Species Red Maple Balsam Fir White Spruce Quaking Aspen rthern White Cedar 6128 - Lowland C Decir Canopy Species Red Maple Quaking Aspen Balsam Fir	eciduous w	ith Cedar Size Class Log Pole/Log Log Mixed Size Class Log Log Log Pole/Log	Sawtimb DBH 13 8 8 12 13 Sawtimb Sawtimb DBH 12 16 8	I Age 102	Mich 7.8 Sub-Ca Gr Bl Mich 2.1 Sub-Ca Ba Ta	102 102 102 102 102 102 102 102	Low Low Low Low Low Low Low Low Low Low Low Low Low Low Medium	5 - 10 feet N/A Avg. Height 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Tall Shrub         Size         Tall Shrub         Sapling         Sapling         Tall Shrub         Sapling         Sapling         Tall Shrub         Sapling         Tall Shrub         Tall Shrub         Size         Sapling         Tall Shrub	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.

# Report 7 – Stands

Compartment: 94 Year of Entry: 2023 NATUR

											Year of Entry: 2023
Stand	Level 4 Co	over Type		Size Density		Acres St	tand Age B	A Range	Managed Site		General Comments
75	6112 - Low	112 - Lowland Aspen		Sawtimber W		4.8	71	51-80	N/A		This stand has an odd mix of small pole size to large log size quaking
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	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
	Red Maple	45	Sapling/Pole	4	37	Balsa	ım Fir	Low	10 - 20 feet	Sapling	assume that this stand was partial harvested along with Stand 12 to the
	Quaking Aspen	45	Log/Pole	11	71	Tag	Alder	High	5 - 10 feet	Tall Shrub	east, oddly leaving a cohort of what are now 71 year old aspen.
	Balsam Fir	10	Pole/Log	8		Black	< Ash	Low	Variable	Sapling	
76	6112 - Low	land Aspe	n S	Sawtimb	er Well	1.1	71	51-80	N/A		This stand has an odd mix of small pole size to large log size quaking
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	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
	Red Maple	45	Sapling/Pole	4	37	Balsa	ım Fir	Low	10 - 20 feet	Sapling	assume that this stand was partial harvested along with Stand 12 to the
	Quaking Aspen	45	Log/Pole	11	71	Tag	Alder	High	5 - 10 feet	Tall Shrub	east, oddly leaving a cohort of what are now 71 year old aspen.
	Balsam Fir	10	Pole/Log	8		Black	< Ash	Low	Variable	Sapling	
80	500 -	Water		Nonst	ocked	1.3	0		No		This is the Thunder Bay River.