

Compartment Review Presentation

Pigeon River Country Forest Management Unit

53031
2025
2,550
Otsego
Wolverine Moraines

Stand Examiner: Greg Rekowski

Legal Description:

T32N R02W Sections 1, 12, 13, & 24

Identified Planning Goals:

Maintain the current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and topography:

Terrain ranges from flat to rolling in Sections 12, 13, and 24. Section 1 varies from flat to low lying swamp land east and south of Mud Lake. A variety of sandy soil types occur throughout the upland areas of the Compartment with the most common types being Leelanau loamy sands, Blue Lake loamy sands, and Morganlake loamy sands. Lowland areas around Mud Lake are comprised mostly of the Tawas-Lupton and Tawas-Leafriver mucks.

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

The majority of this Compartment is surrounded by State ownership, with the exception of the north line of Section 1 and the west, south, and east sides of Section 24 which border private property. A two acre private inholding is located at the southwest corner of Section 1.

Unique Natural Features:

Red-shouldered hawks and wood turtles have been documented in this Compartment.

Archeological, Historical, and Cultural Features:

None have been formally identified. An old Yuill logging camp was formerly present in Section 13. Old railroad grades are present in all Sections of the Compartment.

Special Management Designations or Considerations:

The Little Pigeon River is designated as a Natural River. There are no other Special Management Designations in this Compartment.

Watershed and Fisheries Considerations:

Management activities will be limited within the immediate vicinity of the Little Pigeon River due to its status as a Natural River. Fishing opportunities are available on Mud Lake although it is not known as a quality fishing lake.

Wildlife Habitat Considerations:

There is an elk viewing area in Section 13 that receives heavy public use and is treated annually to provide grazing opportunity for deer and elk.

A Wildlife representative will be available for comment at the Open House and Compartment Review.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the State. No active sand/gravel operations are known to exist in the area. Potential for sand & gravel exists in the Compartment, but commercial development is not allowed per the PRC Oil and Gas Policy and the Concept of Management. The Compartment is on the north edge of the Antrim Shale gas play. The Antrim Shale is thinning to the north and may have limited potential for gas production in this area. Across the state, new Antrim wells are not being drilled. The Antrim Shale play is generally in decline, and there is an increasing trend toward plugging wells. Active Antrim gas production, however, is occurring just outside the southern boundary of the Compartment, and some drainage of State-owned minerals in the Compartment may be occurring. The Silurian reef trend lies just to the south. There is low probability of reef reservoirs occurring beneath the Compartment, but without access to industry seismic data, the potential can't be ruled out. State land in the Compartment cannot be utilized for drilling operations and the mineral rights cannot be leased, so oil & gas development opportunities are limited. Any decisions on future mineral exploration and development within the Compartment shall be consistent with the Oil and Gas Policy and Concept of Management for the Pigeon River Country.

Vehicle Access:

Access is good throughout the Compartment.

Survey Needs:

None required at this time. The small 2 acre inholding in Section 1 may require a survey in the future.

Recreational Facilities and Opportunities:

A popular elk viewing area is located within Section 13, just north of Sturgeon Valley Road. Mushroom picking, small game hunting, and deer hunting are also popular in this Compartment.

Fire Protection:

Access is good in case of any fire suppression efforts, however fire risk is generally low in this Compartment due to the large amount of hardwoods and lack of much pine.

Additional Compartment Information:

Camp Vanderbilt, which was formerly a CCC camp and now houses DNR land management equipment, is located in the Compartment.

The following reports from the Inventory are attached:

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

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

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

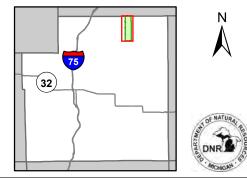
Proposed treatments

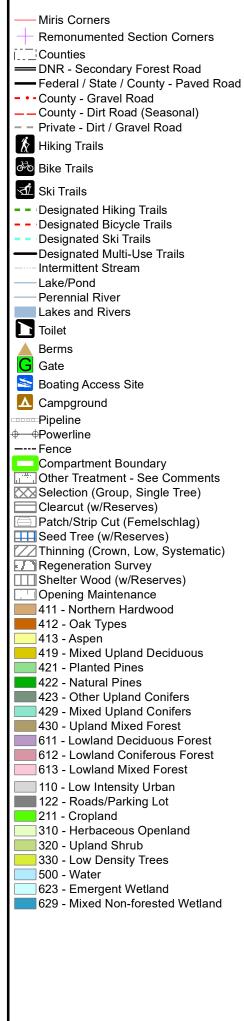
Site condition boundaries

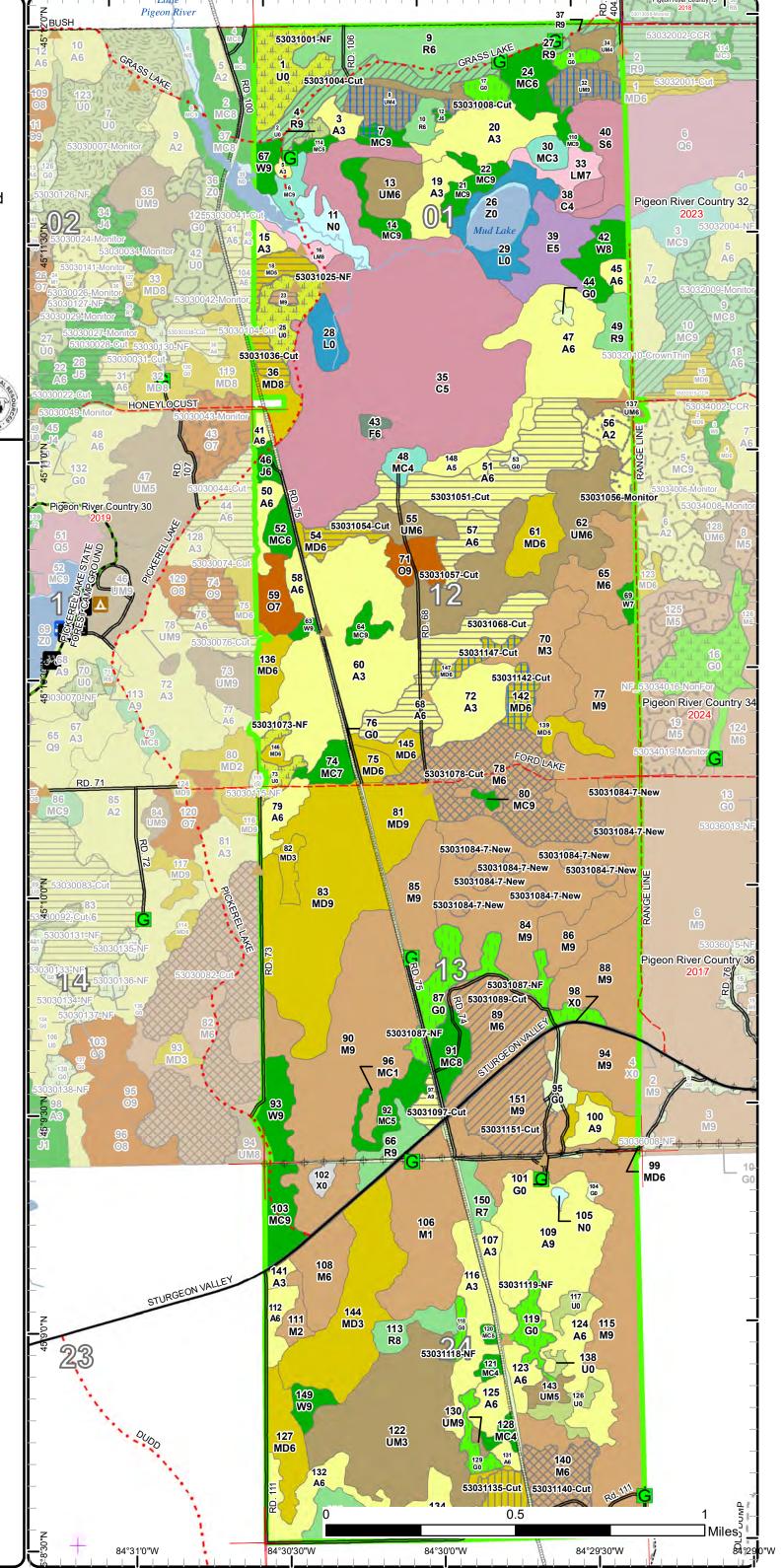
Details on the road access system

Cover Type & Treatments Map

Compartment: 31 T32N, R02W, Sec. 01,02,12,13,14,24 T32N R01W, Sec. 06,07 County: Otsego Unit: Pigeon River Country Mgmt Area: Wolverine Moraines YOE: 2025 Acres: 2549.6 GIS Calculated Examiner: Greg Rekowski Map Revised: 6/14/2023 Map Phase: Review

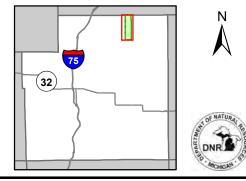


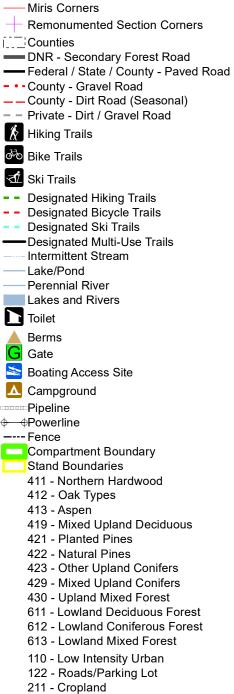


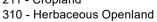


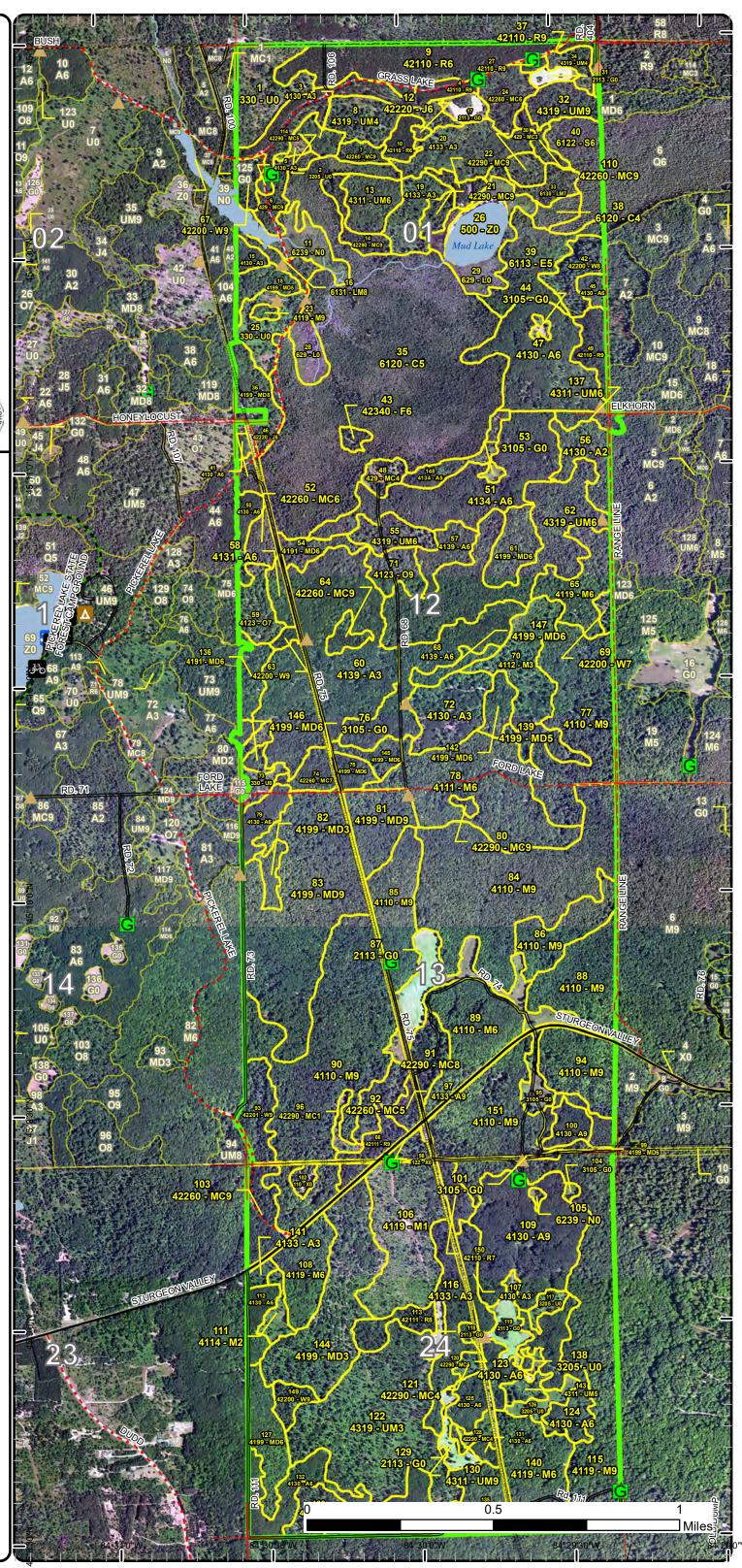
Stand Boundary Мар

Compartment: 31 T32N, R02W, Sec. 01,02,12,13,14,24 T32N R01W, Sec. 06,07 County: Otsego Unit: Pigeon River Country Mgmt Area: Wolverine Moraines YOE: 2025 2549.6 GIS Calculated Acres: Examiner: Greg Rekowski Map Revised: 6/14/2023 Map Phase: Review









320 - Upland Shrub 330 - Low Density Trees

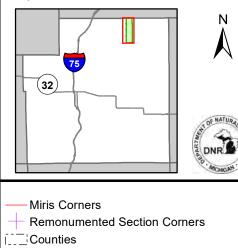
500 - Water

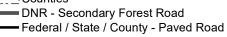
623 - Emergent Wetland

629 - Mixed Non-forested Wetland

Special Conservation Areas

Compartment: 31 T32N, R02W, Sec. 01,02,12,13,14,24 T32N R01W, Sec. 06,07 County: Otsego Unit: Pigeon River Country Mgmt Area: Wolverine Moraines YOE: 2025 Acres: 2549.6 GIS Calculated Examiner: Greg Rekowski Map Revised: 6/14/2023 Map Phase: Review





County - Gravel Road
 County - Dirt Road (Seasonal)

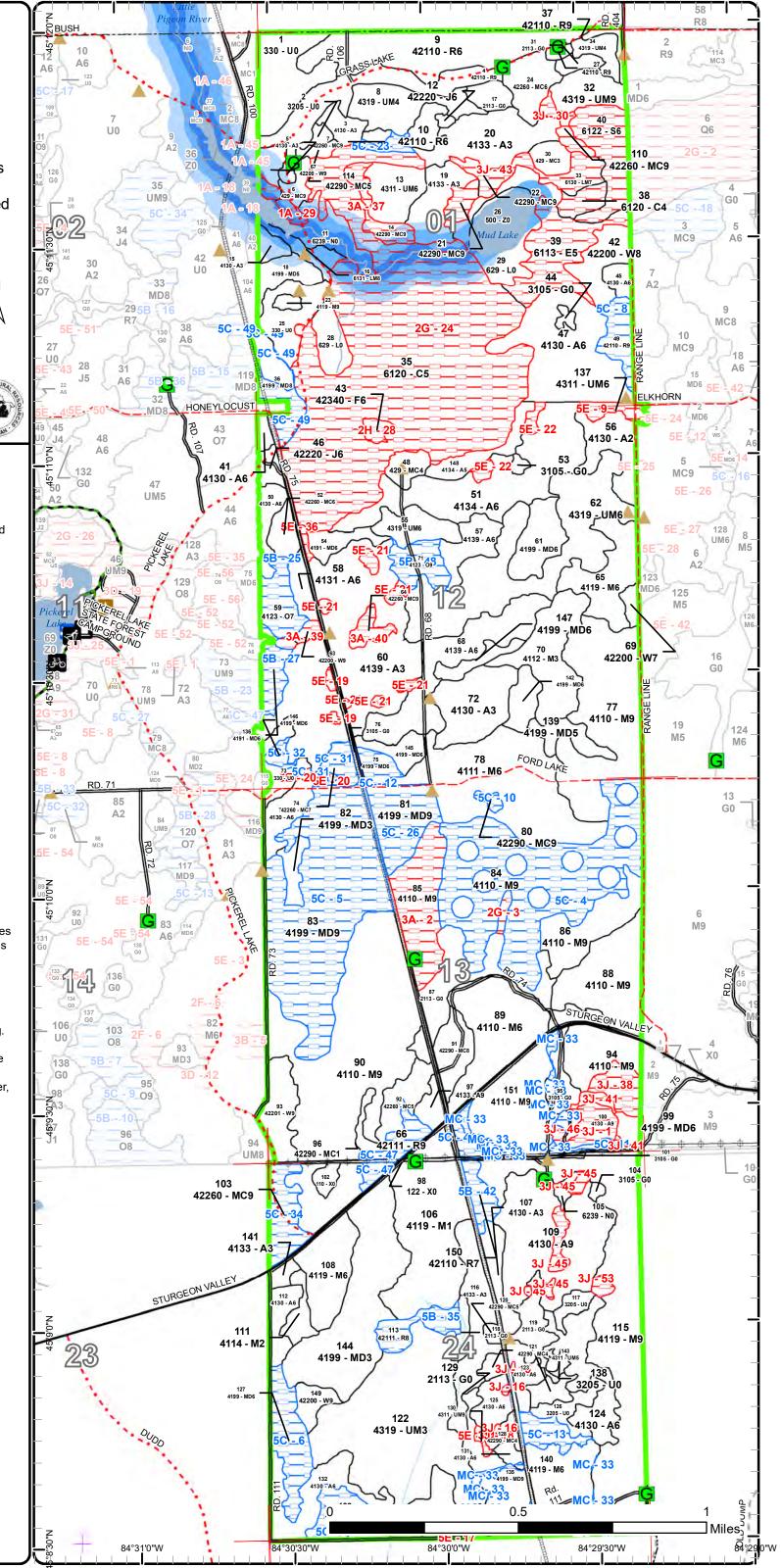
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    Private - Dirt / Gravel Road
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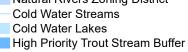
🔏 Hiking Trails

💑 Bike Trails 🗹 Ski Trails

Designated Hiking Trails

- - Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- -Lake/Pond
- Perennial River
- Lakes and Rivers
- Toilet
- 🔺 Berms
- G Gate
- 놀 Boating Access Site
- Campground
- ──Pipeline ─⊕Powerline
- ---- Fence
- Compartment Boundary
 Available w/ Constraints
 5B: Maintain for regeneration purposes
 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable 1A: Federal/State/Local Law 2G: Too wet (sensitive soils, does not include access issues) 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) 3A: Conservation Values incompatible with harvest at this time 3J: Water quality / BMPs (stream, river
- 3J: Water quality / BMPs (stream, river, or lake) 5E: Long-Term Retention
- Stand Boundaries Natural Rivers Vegetative Buffer Natural Rivers Zoning District





Greg Rekowski : Examiner



Age Class

		~ /	/	/ /	<u> </u>		· /	/	/	/ /	/ /		/		/	/ /	/	/ /	8
	Nor		⁸ / 4	\$ \$		3 B	9 13	3 8				8 (j	20 12 12 12 12 12 12 12 12 12 12 12 12 12			67.7 VB	Not the second	Jrest Jrest	AND LOO
Aspen	0	102	17	90	145	120	42	0	0	4	0	0	0	0	0	0	0	0	520
Cedar	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	223	0	0	228
Cropland	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Jack Pine	0	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Deciduous	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	6	8	0	0	0	0	0	0	0	14
Lowland Shrub	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	19
Marsh	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	0	0	0	52	5	14	30	13	0	49	109	19	0	0	0	0	0	0	291
Natural Mixed Pines	0	0	0	6	21	0	16	13	7	22	16	0	0	0	0	0	0	0	101
Northern Hardwood	0	0	5	73	0	0	21	0	19	51	441	114	0	0	0	0	0	0	724
Oak	0	0	0	0	0	0	0	0	0	0	10	11	0	0	0	0	0	0	21
Red Pine	0	0	0	0	47	0	0	25	4	0	44	0	0	0	0	0	0	0	118
Upland Conifers	0	0	0	5	5	0	0	0	6	0	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	0	88	23	0	0	83	1	6	11	0	0	0	0	0	0	0	212
Upland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Upland Spruce/Fir	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	3	0	12	13	0	6	0	0	2	0	0	0	6	42
Total	208	102	22	314	253	137	133	146	51	138	645	168	0	2	0	223	0	6	2546

Acres of Harvest



Pigeon River Country Mgt. Unit Year of Entry: 2025

Compartment 31 Total Compartment Acres: 2,550

Commercial Harvest - 337 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 14

Cover Type by Harvest Method

			o la contra	Contraction of the second	to to to	B B B	idon i	Ninit, Solo	Reputer to	en e	550 1.00	, p ^o
Aspen		95	0	0	0	0	0	0	0	0	95	1
Jack Pine		1	0	0	0	0	0	0	0	0	1	
Mixed Upland Deciduous		20	0	0	12	13	0	0	0	0	44	
Northern Hardwood		2	81	15	0	0	63	0	0	0	159	1
Red Pine		0	0	0	0	0	29	0	0	0	29	1
Upland Mixed Forest		0	0	0	23	0	0	0	0	0	23	1
	Total	117	81	15	35	13	91	0	0	0	351]

Proposed and Next Step Treatments by Method

			isto isto	and a constant	C. C.	S BRO C	ovino (Contraction of the second	india.	350 23G	\$° / \$	A. S.
Current		351	0	0	0	0	0	14	0	98	463	
Next Step		0	14	0	0	0	0	260	0	0	274	
	Total	351	14	0	0	0	0	275	0	98	738	

t			ry Mgt. Unit				Treatments		Compartmen Year of Entr		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size S Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Ha
osec	d Treatmen	<u>ts:</u>									
1	53031001-NF	22.9	330 - Low-Density Trees	Nonstockee	b	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	330 - Low- Density Trees		
		e stand e	ither through burnir	ng, planting, h	erbicid	le, or me	chanical means.	0	,		
<u>Specs</u>		al good s	ite for hard and sof	t mast plantin	g						
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> Reger	<u>otable</u> n:										
<u>Other</u> Comm											
	Condition										
Propo	sed Start Date	<u>:</u> 10/1 /2	024								
2	53031002-NF	1.9	3205 - Mixed Upland Shrub	Nonstocker	d	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		
Presci	<u>ription</u> Maintai	in the nor	n-forested condition	of this stand	either		ourning, planting	, herbicide, or mecl			
Specs	<u>8:</u>										
<u>Next S</u> Treatr	<u>Step</u> ments:										
Accep											
<u>Reger</u> <u>Other</u>											
	<u>nent:</u>										
Comm											
	Condition										
<u>Site C</u>		<u>:</u> 10/1 /2	024								
<u>Site C</u> Propo	Condition		42110 - Planted	Sawtimber	69	141-	Harvest	Crown Thinning	4211 - Planted	Even-Age	d
Site C Propo 4	Condition Used Start Date 53031004-Cut	24.5	42110 - Planted Red Pine	Well		170		-	Red Pine	Ū	
Site C Propo 4	Condition Sed Start Date 53031004-Cut ription Crown	24.5 thin to 11	42110 - Planted	Well not mark oak		170		-	Red Pine	Ū	
Site C Propo 4 Presci Specs Next S	Condition Seed Start Date 53031004-Cut ription Signific Step	24.5 thin to 11	42110 - Planted Red Pine 0 square feet. Do r	Well not mark oak		170		-	Red Pine	Ū	
Site C Propo 4 Presci Specs Next S Treatr	Condition Seed Start Date 53031004-Cut ription Crown Signific Step ments:	24.5 thin to 11	42110 - Planted Red Pine 0 square feet. Do r	Well not mark oak		170		-	Red Pine	Ū	
Site C Propo 4 Presci Specs Next S Treatr	Condition Seed Start Date 53031004-Cut ription Crown Signific Step ments: otable	24.5 thin to 11	42110 - Planted Red Pine 0 square feet. Do r	Well not mark oak		170		-	Red Pine	Ū	
Site C Propo 4 Presci Specs Next S Treatri Accep Reger Other	Condition sed Start Date 53031004-Cut ription Crown signific Step ments: btable n:	24.5 thin to 11	42110 - Planted Red Pine 0 square feet. Do r	Well not mark oak		170		-	Red Pine	Ū	
Site C Propo 4 Presci Specs Next S Treatr Accep Reger Other Comm	Condition sed Start Date 53031004-Cut ription Crown signific Step ments: btable n:	24.5 thin to 11	42110 - Planted Red Pine 0 square feet. Do r	Well not mark oak		170		-	Red Pine	Ū	

Pige S t	eon Rive	er Country	Mgt. Unit		Repoi	rt3 ˈ	Freatments		Compartmen Year of Entry		DNR
a n Treatr d Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
8 530310	08-Cut	14.2	4319 - Mixed Upland Forest	Poletimbe Poor	r 61	1-50	Harvest	Seed Tree	42260 - Natural Pine, Mixed Deciduous	Two-Aged	No
<u>Prescription</u> Specs:	saps if a repre	present. Ma sentation of	10-20 in the best q ark to leave a few of this species on th of the treatment th	of the bette le site. Mar	r quality k to lea	/ clumps ve large (of sap/pole sized	white pine. Leave	a couple of the la	arger red mapl	e to retair
<u>Vext Step</u> Treatments:	SitePre	ep, Scarifica	tion; Monitoring, N	Natural Reç	gen (Inte	ermediate)				
Acceptable Regen:	Fully-st	ocked stand	d dominated by mi	xed natura	l pine w	ith any ao	lditional mix of sp	becies being acce	ptable.		
<u>Other</u> Comment:	Require	e chipping o	f tops in snow-free	e conditions	s. Presc	ribe follo	w-up scarification	using DNR resou	irces.		
<u>zomment.</u>			ent south into the v o protect the old g						ide the east half o	f stand 7 and o	do not go
			railroad grade fror sted to remove the							ent boundary	has
Site Conditio	'n										
Proposed Sta	art Date	<u>:</u> 10/1 /202	4								
12 530310)12-Cut	0.9	42220 - Natural Jack Pine	Poletimbe Well	r 77	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
Prescription Specs:	Clearcu	ut. Leave an	y incidental oak a	nd red pine							
<u>lext Step</u> reatments:	Monito	ring, Natura	l Regen (Re-Inven	tory)							
Acceptable Regen:	Fully-st	tocked stand	d meeting jack pin	e regenera	tion gui	delines w	ith any additional	mix of species be	eing acceptable.		
<u>Other</u>	Require	e chipping ir	n snow-free month	s to allow f	or scari	fication.					
<u>Comment:</u>	Group	with the har	vest in stand 8.								
Site Conditio	n										
Proposed Sta	art Date	<u>:</u> 10/1 /202	4								
17 530310	017-NF	4.9 21	13 - Forage Crops	Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	2113 - Forage Crops		No
Prescription Specs:	Maintai	in the non-fo	prested condition of	of this stand	d either	through t	ourning, herbicide	e, or mechanical m	ieans.		
<u>Next Step</u> Freatments:											
Acceptable Regen:											
<u>Other</u> Comment:											
Site Conditio	n										
Proposed Sta	art Date	<u>:</u> 10/1 /202	4								

S t	Pigeo	on Riv	er Counti	ry Mgt. Unit		Repo	rt 3 [·]	Treatments		Compartmer Year of Entr		DIR NATURAL PLAN
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25	530310	25-NF	13.8	330 - Low-Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub		No
<u>Spec</u>		Mainta	in the nor	-forested condition	of this stan	d either		ourning, planting	, herbicide, or mecl	•		
	tments:											
Acce Rege	eptable_ en:											
<u>Othe</u> Com	<u>er</u> Iment:											
	Condition											
<u>Prop</u>	osed Sta	rt Date	<u>:</u> 10/1 /2	024								
27	5303102	27-Cut	1.5	42110 - Planted Red Pine	Sawtimbe Well	er 74	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Ageo	d No
<u>Pres</u> Spec				0 square feet. Do n acent to them.	ot mark any	/ oak or	white pin	e. Try to protect	some of the bigger	serviceberry clur	mps by avoid	ing marking
	<u>Step</u> tments:											
Acce Rege	eptable_ en:											
<u>Othe</u> <u>Com</u>	<u>er</u> iment:											
Site	Condition	<u>1</u>										
<u>Prop</u>	osed Sta	<u>rt Date</u>	<u>:</u> 10/1 /2	024								
31	530310	31-NF	3.1	2113 - Forage Crop	s Nonstock	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	2113 - Forage Crops		No
Pres Spec		Mainta	in the non	-forested condition	of this stan	d either	through b	ourning, herbicide	e, or mechanical m	eans.		
	<u>Step</u> tments:											
<u>Acce</u> Rege	eptable_ en:											
<u>Othe</u> <u>Com</u>	er Iment:											
Site	Condition	<u>1</u>										
<u>Prop</u>	osed Sta	<u>rt Date</u>	<u>:</u> 10/1 /2	024								
37	5303103	37-Cut	2.5	42110 - Planted Red Pine	Sawtimbe Well	er 74	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Ageo	d No
Pres Spec				0 square feet. Do n rth line is still faintly		∕ oak or	white pin	e. Watch out for	wire fence in trees	along the north a	and east edge	es. The blue
	<u>Step</u> tments:											
Acce Rege	eptable_ en:											
Othe												
Site	Condition	<u>1</u>										
<u>Prop</u>	osed Sta	<u>rt Date</u>	<u>:</u> 10/1 /2	024								

Pigeon River Country Mgt. Unit S t a					Repo	rt3 T	reatments		Compartmen Year of Entr		DNR S
a n Treatr d Nar		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
51 530310)51-Cut	48.8	4134 - Aspen, Spruce/Fir	Poletimbe Well	er 47	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Prescription Specs: Next Step Treatments:	cut cher are in th	ry over 5" e site cono		s of aspen re focused	(3-5 tree	es) as cut a	and leave trees	and red oak. Leav for drumming logs pine component.			
<u>Acceptable</u> <u>Regen:</u>	Well-sto	cked stand	d dominated by as	pen regene	eration.						
<u>Other</u> Comment:	Add oak	wilt spec.	There is not much	n oak withir	n the sta	and itself h	owever borderi	ng stands have mu	uch more.		
Site Conditio	<u>on</u>										
Proposed St	<u>art Date:</u>	10/1 /202	24								
54 530310)54-Cut	6.0 U	4191 - Mixed Ipland Deciduous with Conifer	Poletimbe Well	er 53	111- 140	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
Prescription Specs:			ntion. Add the thin e pine over 18" DB		ture pin	e along the	e west edge as	retention. Leave a	ll oak and any inci	idental cedar o	or birch.
<u>Next Step</u> Treatments:	Monitori	ng, Natura	l Regen (Intermed	liate)							
<u>Acceptable</u> <u>Regen:</u>	A fully-s	tocked sta	nd with any mix of	species w	ill be ac	ceptable fo	or regeneration				
<u>Other</u> Comment:	Add pipe	eline prote	ction specs.								
Site Conditio	<u>on</u>										
Proposed St	<u>art Date:</u>	10/1 /202	24								
57 530310)57-Cut	10.0 I	4139 - Aspen, Mixed Deciduous	Poletimbe Well	er 53	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
Prescription Specs:	around of 18" DBH	oak and he I. Protect t	emlock to create cl	umps of tre omponent a	ees. Lea as much	ave all incio as possib	dental oak, birc le. Mark to leav	ed pine and maple h, and hemlock. If ve any large diame n they fall over.	present, leave any	y red or white	pine over
<u>Next Step</u> <u>Treatments:</u>	Monitori	ng, Natura	l Regen (Intermed	liate)							
<u>Acceptable</u> <u>Regen:</u>			d dominated by as pecies mix.	pen with ar	ny addit	ional mix c	of species being	g acceptable. Pote	ntial for heavy bro	wse damage i	n this
<u>Other</u> Comment:	Add oak	wilt specs	s, no exceptions.								
Site Conditio	<u>on</u>										
Proposed St	art Date:	10/1 /202	24								

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a n Treatment Acres Stand Size Stand BA Treatment Treatment Cover Type Age Ha	Pigeon River Country Mgt. Unit S t a					Repo	rt3 [·]	Treatments		Compartmer Year of Entr		DNR
Mixed Deciduous Weil 140 Prescription Calculations Cancent decord for out calcula A, Na are relation, however mark to have exattered clumps of batter quality herdwood (maple & birch) cancentered around oak. If present, do not cut religh in or white pine over 12° DBH. Protect the younger oak component as much as possible cancentered around oak. If present, do not cut religh in or white pine over 12° DBH. Protect the younger oak component as much as possible and leave trees for drumming logs. Next Step Research Monitoring, Natural Regen (Intermediate) Treatments: Monitoring, Natural Regen (Intermediate) areadown with a stand due to the species mix. Acceptable Regen: Add oak will specke no exceptions. The retention area on the west edge of the stand (see sile conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention. Prescription Regen: Add oak will speck Start Date: 101 / 12024 73 53031073-NF 7.3 300 - Low-Density Nonstocked Trees Unspec NonForestMg Other - Specify 320 - Upland Shrub Prescription Cher Association Weil 14.0 Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Start Step. Netword Start Date: 101 / 12024 Stip/Patch/Gap 411. Northern Even-Aged Conc Prescription Accorabitas <td< th=""><th>a n Tre</th><th></th><th>Acres</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th>Habita Cut</th></td<>	a n Tre		Acres								-	Habita Cut
Stress:: centered around cak. If present, do not cut red pine or while pine over 12° DBH. Protect the younger cak component as much as possible and leave trees for drumming logs. Next Step. Monitoring. Natural Regen (Intermediate) Treatments: Acceptable Acceptable Well-stocked dominated by aspen regeneration with any additional mix of species being acceptable. There is the possibility of heavy brow many in the second due to the species mix. Acceptable Add cak will spece, no exceptions. Comment The releminon area on the west edge of the stand (see sile conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention. Sile Condition The releminon area on the west edge of the stand (see sile conditions layer) was used as retention for stand 60 when it was harvested. Maintain the are non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. State Condition Trees Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. State Condition State Condition Prescription Maintain the aposity for oak or other species that may be rear in the stand (slow birch, ein). Gap sizes will be 1,5 at State and the saw or other species that may be rear in the stand (slow birch, ein). Gap sizes will be 1,5 at states are in the stand (slow birch, ein). Gap sizes will be 1,5 at states are in the stand (slow birch, ein). Gap sizes will be 1,5 at marke are in the	68 530	31068-Cut	31.8			er 56		Harvest	Clearcut	413 - Aspen	Even-Aged	No
Treatments: Control of the same regeneration with any additional mix of species being acceptable. There is the possibility of heavy brown amage in this stand due to the species mix. Other Regen: Add oak will specs, no exceptions. The retention area on the west edge of the stand (see site conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention. Site Condition Proposed Start Date: 10/1 /2024 73 53031073-NF 7.3 330 - Low-Density Nonstocked Unspec NonForestMgt Other - Specify 320 - Upland Trees Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs: Next Step. Treatments: Acceptable Regen: Other Strip/Patch/Gap 411 - Northern Even-Aged Hardwood (Femetechag) Prescription New Association Well 140 Cut Hardwood (Femetechag) Prescription New Association Well 140 Cut Hardwood (Femetechag) Prescription New Association Well 140 Cut Hardwood Hardw		centere Exclude	d around of the single	bak. If present, do	not cut red	pine or	white pine	e over 12" DBH.	Protect the younge	r oak component	as much as p	possible.
Regen: damage in this stand due to the species mix. Other Comment: Add oak will specs, no exceptions. The retention area on the west edge of the stand (see site conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention. Site Condition Proposed Start Date; 10/1 / 2024 73 5031073-NF 7.3 330 - Low-Density Nonstocked Unspec NonForestMgt Other - Specify 320 - Upland Shrub Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs. Secondition Treatments: Acceptable Regen: Other Other Other Comment: StripPatch/Gap 411 - Northern Even-Aged Hardwood (Cennel Hardwood Counce) Proposed Start Date: 10/1 / 2024 84 50031064-7. 14.5 4110 - Sugar Maple Sawtimber 96 111- 140 Cut Hardwood (Cennel Hardwood Counce) Steps: Start Date: 10/1 / 2024 84 50031064-7. 14.5 4110 - Sugar Maple Sawtimber 96 111- Hardwood (Cennel Hardwood Counce) 14.0 Cut Hardwood (Cennel Hardwood Counce) 14.0 Cut Hardwood (Cennel Hardwood Counce) 14.0 Cut Hardwood (Ce		_	ng, Natur	al Regen (Intermed	diate)							
Comment: The relevation area on the west edge of the stand (see site conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention. Site Condition Proposed Start Date: 10/1 / 2024 73 53031073-NF 7.3 330 - Low-Density Nonstocked Unspec NonForestMgt Other - Specify 320 - Upland Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Steps: Newt Step. Treatments: Acceptable. Regen: Other Other Other Sugar Maple Sawtimber 96 111- Harvest Strip/Patch/Gap 411 - Northern Even-Aged Hardwood New 14.5 4110 - Sugar Maple Sawtimber 96 111- Harvest Strip/Patch/Gap 411 - Northern Even-Aged Hardwood New 101 / 2024 Association Weil 140 Cut (Femelschlag) Freischlag) Prescription Clearcut all species within gaps except for oak or oak or oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at Species. Species faithered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall o						i with ar	ny additior	nal mix of specie	es being acceptable	. There is the pos	ssibility of hea	ivy brows
Proposed Start Date: 10/1 /2024 73 53031073-NF 7.3 330 - Low-Density Nonstocked Unspec NonForestMgt Other - Specify 320 - Upland Shrub Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs: Next Step. Treatments: Acceptable. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 84 53031084-7. 14.5 4110 - Sugar Maple Sawtimber 96 111. New Association Well 140 Cut Hardwood (Femelschlag) Prescription Clearcut all species within gaps except for oak or other species that may be right have be left intact and scattered throughout the saylogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the saylogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the saylogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the saylogs to be utilized from these trees, the remainder of the pulpwood size for all scattered throughout the saylogs to be utilized from these trees, the remainder of the pulpwood size dress and coarse woody of Next Step. Monitoring, Natural Regen (Intermediate) Treatments: Step. Monitoring, Natural Regen (Interplant with other species lif regeneration fails due to browse or undesirable species mix of beech ard and/or beech will not be accepted. Interplant with other species lif regeneration fails due to browse or undesirable species mix of beech ard and/or beech will not be accepted. Interplant with other species lif regeneration fails due to browse or undesirable species mix of beech ard and/or beech will not be accepted. Interplant with other species lif regeneration fails due to browse or undesirable species mix of beech ariorwood.		: The rete	ention area	a on the west edge	e of the stan	nd (see :	site condi	tions layer) was	used as retention f	or stand 60 when	it was harves	sted.
73 53031073-NF 7.3 330 - Low-Density Nonstocked Lifed Unspec NonForestMgt Other - Specify 320 - Upland Shrub Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs: Next Step. Treatments: Acceptable. Regen. Other Other Comment: Site Condition Proposed Start Date: Prescription Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foot diameter. Make some of the gaps endper desthered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, thern move the gap so that oak fall on the edges and not within the gap. For all sawlog trees to reare our with the rough barwing the gap to rait all as the stand to dear startered throughout the gaps. For all stale datched (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step. Monitoring, Natural Regen (Intermediate) Acceptable. Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by irrows and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech at irrowsod. Other Gaps with fully-stocke	Site Cond	ition										
Trees ified Shrub Prescription Specs: Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs: Next Step. Treatments: Acceptable. Regen: Acceptable. Comment: Site Condition Proposed Start Date: 101/2024 84 53031084-7- 14.5 4110 - Sugar Maple Sawtimber 96 111. Hardwood (Fernetischlag) Hardwood (Fernetischlag) Prescription Stape Start Date: 101/2024 84 53031084-7- 14.5 4110 - Sugar Maple Sawtimber 96 111. Hardwood (Fernetischlag) Prescription Specs: Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foto diameter. Make some of the gaps edges detabered to benefit seed tree development. If the gap happens to fail in an area with a to to day, them move the gap so that cak fail on the oto fail still in tached will dillize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step. Monitoring, Natural Regen (Intermediate) Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwo and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species	Proposed	Start Date:	10/1 /20	24								
Specs: Not Strep: Treatments: Acceptable. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 84 53031084-7- 14.5 4110 - Sugar Maple Sawtimber 96 111- Harvest Strip/Patch/Gap 411 - Northern Even-Aged Rescription Proposed Start Date: 10/1 /2024 84 53031084-7- 14.5 4110 - Sugar Maple Sawtimber 96 111- Harvest Strip/Patch/Gap 411 - Northern Even-Aged Rescription Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 as in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwa an	73 530	31073-NF	7.3		Nonstocke	ed		NonForestMgt	Other - Specify			N
Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 / 2024 84 53031084-7- New 14.5 4110 - Sugar Maple Sawtimber 96 111- Association Harvest 140 Strip/Patch/Gap Cut (Femelschlag) 411 - Northern Even-Aged Hardwood Prescription Specs: Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap in size, which equals roughly a 100 foot diameter. Make some of the gaps evently to deter browse. Mark taleast 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step Irreatments: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwork and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition <td></td> <td><u>on</u> Maintair</td> <td>n the non-</td> <td>forested condition</td> <td>of this stan</td> <td>d either</td> <td>through b</td> <td>ourning, planting</td> <td>, herbicide, or mecl</td> <td>nanical means.</td> <td></td> <td></td>		<u>on</u> Maintair	n the non-	forested condition	of this stan	d either	through b	ourning, planting	, herbicide, or mecl	nanical means.		
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 84 53031084-7- New 14.5 4110 - Sugar Maple Sawtimber 96 111- 140 Harvest Cut Strip/Patch/Gap 411 - Northern Even-Aged Hardwood Prescription Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees to are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intext and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step Treatments: Monitoring, Natural Regen (Intermediate) Acceptable Regen: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwod. Other Comment: Site Condition		-										
Site Condition Proposed Start Date: 10/1 /2024 84 53031084-7- New 14.5 4110 - Sugar Maple Sawtimber 96 111- Association Harvest Strip/Patch/Gap 411 - Northern Even-Aged Cut Hardwood Prescription Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at is size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap for a load of diameter diameter with a load of ak fall on the edges and not within the gap. For all sawlog trees that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at is size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap for a laswlog trees that move the gap so that oak fall on the edges and not within the gap. For all sawlog trees that are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Monitoring, Natural Regen (Intermediate) Treatments: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwood. Other Comment: Site Condition		<u>e_</u>										
Proposed Start Date: 10/1 /2024 84 53031084-7- New 14.5 4110 - Sugar Maple Sawtimber 96 111- 140 Harvest Lut Strip/Patch/Gap 411 - Northern Even-Aged Hardwood Prescription Specs: Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 ar Specs: In size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees t are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step Treatments: Monitoring, Natural Regen (Intermediate) Acceptable Regen: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwo and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition		<u>:</u>										
84 53031084-7- New 14.5 4110 - Sugar Maple Sawtimber 96 111- Association Harvest Well Strip/Patch/Gap 411 - Northern Even-Aged Cut Hardwood Prescription Specs: Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees t are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Monitoring, Natural Regen (Intermediate) Acceptable Regen: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwo and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition	Site Cond	<u>ition</u>										
New Association Well 140 Cut (Femelschlag) Hardwood (Femelschlag) Prescription Specs: Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 at in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees t are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilized pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Mext Step Treatments: Acceptable Regen: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwo and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition	<u>Proposed</u>	Start Date:	10/1 /20	24								
Specs: in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees t are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody d Next Step Monitoring, Natural Regen (Intermediate) Treatments: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwo and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition	84 530	NI	14.5 4			er 96		Harvest	Cut		Even-Aged	Ye
Treatments: Acceptable Acceptable Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwod and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition		in size, happens are cut, through	which equ s to fall in only allow out the ga	als roughly a 300 f an area with a lot o the sawlogs to be ps evenly to deter	foot diamete of oak, then e utilized fro browse. Ma	er. Make move t m these ark at le	e some of the gap so trees, th ast 5 tree	f the gaps edges o that oak fall on e remainder of t s per gap as tre	s feathered to bene the edges and not the pulpwood and to es to push over with	fit seed tree deve within the gap. F ops must be left in the root ball still	lopment. If the or all sawlog t ntact and scat attached (util	e gap trees that tered lize
Regen: and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech a ironwood. Other Comment: Site Condition		-	ng, Natur	al Regen (Intermed	diate)							
Comment: Site Condition		and/or b	eech will									
		<u>:</u>										
Proposed Start Date: 10/1 /2024	Site Cond	<u>ition</u>										
	Proposed	Start Date:	10/1 /20	24								

Pigeon River Country Mgt. Unit S t a n Treatment Acres Stand				^v Mgt. Unit		Repo	rt3 ˈ	Treatments		Compartmer Year of Entr		DR NATURAL AND NA
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
87	530310	87-NF	25.5 2 ⁻	113 - Forage Crops	s Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	2113 - Forage Crops		No
Presc Specs		Maintai	n the non-f	orested condition	of this stan	d either	through b	ourning, herbicid	e, or mechanical m	eans.		
<u>Next s</u> Treatr	<u>Step</u> ments:											
<u>Acce</u> p <u>Rege</u> i	<u>otable</u> n:											
<u>Other</u> Comn												
Site C	Condition	<u>1</u>										
<u>Propo</u>	osed Sta	rt Date:	10/1 /202	24								
89	5303108	89-Cut	32.6 4	110 - Sugar Maple Association	Poletimbe Well	er 97	111- 140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Ageo	d No
Presc Spece	<u>s:</u>	Do not side of	cut any bir	ch, oak, pine, elm,	or cherry.	Do not i	mark with	in a 1/2 chain of	trees (less than 10 yellow birch to prev on the thin strip on	ent exposure sh	ock. Stay on	the interior
<u>Next S</u> Treatr	<u>Step</u> ments:		-									
<u>Accep</u> <u>Rege</u> i	<u>otable</u> n:											
<u>Other</u>	-	Winter	harvest on	ly to avoid recreati	onal and hu	unting c	onflicts.					
<u>Comn</u>		Do not	allow any o	operations or decki	ng of wood	within	the food p	olot.				
				of low stocking just Ilso warrant being				and that can be	excluded. The sout	thwest finger of th	ne stand has	areas of
Site C	Condition	<u>1</u>										
Propo	sed Sta	rt Date:	10/1 /202	24								
97	5303109	97-Cut	4.2	4133 - Aspen, Mixed Pine	Sawtimbe Well	er 82	81-110	Harvest	Clearcut	413 - Aspen	Even-Ageo	d No
Presc Specs									erry (black/pin) ove /e all WP/RP over 2		be beneficial	to mark to
<u>Next S</u> Treatr	<u>Step</u> ments:	Monitor	ing, Natura	al Regen (Intermed	liate)							
<u>Accep</u> <u>Rege</u> i		Fully-st	ocked star	nd of aspen with ar	ıy additiona	l mix of	species l	peing acceptable	9.			
<u>Other</u> Comn		Put the	landing al	ong the north edge	in stand 92	2 (MC5)).					
			ipeline spe	cs for Line 5.								
	Condition	-	10/1 /202	24								
			10/1/20/	27								

	Pigeon Riv	ver Country	Mgt. Unit		Repor	t3 [·]	Treatments		Compartme		OF NATURAL PLES
S t									Year of Enti	y: 2025	DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
118	53031118-NF	3.4 2 ⁻	113 - Forage Crops	Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
Pres Spec		ain the non-f	forested condition of	of this stan	d either	through b	ourning, herbicid	e, or mechanical me			
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u>	eptable_ en:										
<u>Othe</u> <u>Corr</u>	e <u>r</u> iment:										
	Condition										
Prop	osed Start Date	<u>e:</u> 10/1 /202	24								
119	53031119-NF	9.4 2 ⁻	113 - Forage Crops	Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<u>Pres</u> Spec		ain the non-f	forested condition of	of this stan	d either	through b	ourning, herbicide	e, or mechanical me	eans.		
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u>	eptable_ en:										
<u>Othe</u> Com	er iment:										
	Condition										
<u>Prop</u>	osed Start Date										
129	53031129-NF	5.5 21	113 - Forage Crops	Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
Pres Spec	•	ain the non-f	forested condition of	of this stan	d either t	through b	ourning, herbicid	e, or mechanical me	eans.		
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u>	eptable_ en:										
<u>Othe</u> <u>Com</u>	er iment:										
	Condition										
<u>Prop</u>	osed Start Date	<u>e:</u> 10/1 /202	24								

S t	Pigeon Riv	er Count	ry Mgt. Unit		Repoi	rt3	Treatments		Compartmen Year of Entry	,	OF NATURAL PLAND
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
147	53031147-Cut	5.0	4199 - Other Mixed Upland Deciduous	Poletimbe Well	er 56	111- 140	Harvest	Seed Tree	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<u>Spec</u> <u>Next</u>	<u>s:</u> near o	ak clumps	cies except for oak. Ir s. Mark to leave any l ural Regen (Intermed	arge diam					, sugar maple, an	d birch that fal	within or
Acceptable Any mix of species resulting in a fully-stocked stand will be acceptable, with the exception that regeneration consisting of more than 50% beech will be considered a failure. If beech regeneration becomes dominant, then consider actions to remove or reduce the beech brush. There is a high likelihood of heavy browse damage in this stand due to the species mix.											
<u>Othe</u> Com	<u>r</u> Requir <u>ment:</u>	e oak wilt	spec, no exceptions	•							
	Condition										
Prop	osed Start Date	<u>e:</u> 10/1/2	2024								

Approved Treatments:

18 530310	018-Cut	7.8 4199 - Other Upland Decid		84	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
Prescription Specs:	Clearcut.	Use previous prescri	iption.							
<u>opcos.</u>	This stand them in 20	l is being re-setup a)20.	nd sold. It was init	ally a pa	art of the s	ale Mud Lake I	Mix (#53-005-15) b	oought by Precisio	n, but was dropp	ed b
<u>Next Step</u> <u>Treatments:</u>		g, Natural Regen (Int	ermediate)							
Acceptable Regen:	Any mix o	f species will be acc	eptable in determi	ning reg	eneration	success as lor	ng as it results in a	fully-stocked stan	d.	
<u>Other</u> Comment:										
Site Conditio	on									
Proposed St	tart Date:	5 /6 /2021								
23 530310	023-Cut	1.5 4119 - Mix Northern Harc		84	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Ν
	Clearcut.	Use previous prescri	iption.							
<u>Specs:</u>	This stand them in 20	l is being re-setup aı)20.	nd sold. It was init	ally a pa	art of the s	ale Mud Lake I	Mix (#53-005-15) b	ought by Precisio	n, but was dropp	ed b
<u>Next Step</u> <u>Treatments:</u>		g, Natural Regen (Int	termediate)							
Acceptable Regen:	Any mix o	f species resulting ir	a well-stocked st	and will	be accepta	able in determi	ning regeneration	success.		
<u>Other</u> <u>Comment:</u>										
Site Conditio	<u>on</u>									
Proposed St	tart Date:	5 /6 /2021								

S t	Pige	on River	Country	Mgt. Unit	l	Repoi	rt3 1	reatments		Compartmen Year of Entr		DNR DNR
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
32	530310	32-Cut	9.0	4319 - Mixed Upland Forest	Sawtimbe Well	r 98	81-110	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Two-Aged	No
<u>Pres</u> Spec	<u>cs:</u>		d is being	evious prescription g re-setup and solo		ially a p	part of the	sale Mud Lake	Mix (#53-005-15) b	ought by Precisic	on, but was dro	pped by
				l Regen (Intermed	liate)							
Rege	<u>en:</u>	Any mix	of species	s resulting in a wel	Il-stocked st	tand wil	l be accep	table in determ	nining regeneration	success.		
<u>Othe</u> Com	<u>er</u> 1ment:											
			F 10 1000	4								
<u>36</u>	530310	art Date: 36-Cut	5.7 41	1 199 - Other Mixed Jpland Deciduous	Sawtimbe Medium	r 84	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<u>Pres</u> Spec	<u>cs:</u>			being left. Use pre				anda Murd Latva			n butuna dua	nu a d baa
		them in 2		g re-setup and sold	a. It was init	ially a p	bart of the	sale Mud Lake	Mix (#53-005-15) b	ought by Precisic	n, dui was dro	рреа ру
	<u>t Step</u> atments:	Monitorin	g, Natura	I Regen (Intermed	liate)							
<u>Reg</u>	en:	Any spec	ies will be	e acceptable in de	termining re	egenera	ition succe	ess as long as i	it meets stocking sta	andards.		
<u>Othe</u> <u>Com</u>	<u>iment:</u>											
	Condition	<u>n</u> art Date:	E 16 1000	4								
56	53031 53031 Mon	056-	14.4	4130 - Aspen	Sapling Medium	5	lmmatu re	Monitoring	Natural Regen (Intermediate)	413 - Aspen	Even-Aged	No
Pres Spec	scription	Continue		or regeneration su duced to a low sto	ccess in thi	s stand	. Browse is	s currently havi	ing a negative impa	ct. Prescribe inter	planting if asp	
												en
	<u>t Step</u> atments:											en
<u>Trea</u>	<u>atments:</u>	Regenera	ation that	meets aspen stoc	king guideli	nes wit	h any addi	itional mix of sp	pecies being accept	able.		en
<u>Trea</u> <u>Acce</u> <u>Rege</u> <u>Othe</u>	<u>eptable</u> en:	Regenera	ation that	meets aspen stoc	king guideli	nes wit	h any add	itional mix of sp	pecies being accept	able.		en
Trea Acce Rege Othe Com	atments: eptable en: er or nment: Condition	<u>n</u>			king guideli	nes wit	h any addi	itional mix of sp	becies being accept	able.		en
Trea Acce Rege Othe Com	atments: eptable en: er or nment: Condition	-			king guideli	nes wit	h any addi	itional mix of sp	pecies being accept	able.		en
Trea Acce Rege Othe Com	atments: eptable en: er or nment: Condition	<u>n</u>			king guideli	nes wit	h any addi	itional mix of sp	becies being accept	able.		en
Trea Acce Rege Othe Com	atments: eptable en: er or nment: Condition	<u>n</u>			king guideli	nes wit	h any add	itional mix of sp	becies being accept	able.		en
Trea Acce Rege Othe Com	atments: eptable en: er or nment: Condition	<u>n</u>			king guideli	nes wit	h any add	itional mix of sp	pecies being accept	able.		en

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Hard Mast Association Well Association Prescription Specs: Salvage all beech except mark to leave good wildlife trees with lots of r square feet. Do not cut oak, pine, or birch. Marking should focus on sm beech and areas with small aspen clones. Gaps should be at least 75 f that are infrequently scattered throughout for wildlife purposes. Next Step Treatments: Monitoring, Natural Regen (Intermediate) Acceptable Regen: Canopy gaps dominated by aspen and desirable hardwoods such as m and/or ironwood will not be acceptable. Other Exclude steep slopes and areas of low stocking. These areas have alre comment: Log GPS points at canopy gaps and put into the hardwood gap monitor Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 He Upland Deciduous Prescription Shelterwood leaving 30-40 square feet of the largest and best quality o and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step_ Treatments: A well-stocked stand with any mix of deciduous and conifer species being of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retentit Comment: the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling	
Hard Mast Association Well Association Prescription Specs: Salvage all beech except mark to leave good wildlife trees with lots of r square feet. Do not cut cut ak, pine, or birch. Marking should focus on sm beech and areas with small aspen clones. Gaps should be at least 75 f that are infrequently scattered throughout for wildlife purposes. Next Step Treatments: Monitoring, Natural Regen (Intermediate) Acceptable Regen: Canopy gaps dominated by aspen and desirable hardwoods such as m and/or ironwood will not be acceptable. Other Exclude steep slopes and areas of low stocking. These areas have alre comment: Log GPS points at canopy gaps and put into the hardwood gap monitor Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Hat Upland Deciduous Prescription Specs: Shelterwood leaving 30-40 square feet of the largest and best quality o and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retentif Comment: Mater Be edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of	
Specs: square feet. Do not cut oak, pine, or birch. Marking should focus on sm beech and areas with small aspen clones. Gaps should be at least 75 ft that are infrequently scattered throughout for wildlife purposes. Next Step Monitoring, Natural Regen (Intermediate) Treatments: Canopy gaps dominated by aspen and desirable hardwoods such as m and/or ironwood will not be acceptable. Other Exclude steep slopes and areas of low stocking. These areas have alre expect them to change. Log GPS points at canopy gaps and put into the hardwood gap monitor. Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Prescription Shelterwood leaving 30-40 square feet of the largest and best quality o upland Deciduous Well Prescription Shelterwood leaving 40-40 square feet of the largest and best quality o and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Treatments: A well-stocked stand with any mix of deciduous and conifer species being the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Keegen: <td>vest Single Tree 411 - Northern Uneven- N Selection Hardwood Aged</td>	vest Single Tree 411 - Northern Uneven- N Selection Hardwood Aged
Treatments: Acceptable Regen: Canopy gaps dominated by aspen and desirable hardwoods such as mador ironwood will not be acceptable. Other Exclude steep slopes and areas of low stocking. These areas have alrecomment: expect them to change. Log GPS points at canopy gaps and put into the hardwood gap monitor Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Hatter Start Date: Prescription Shelterwood leaving 30-40 square feet of the largest and best quality or and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: A well-stocked stand with any mix of deciduous and conifer species bein of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retentite in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Hatter Northern Hardwoods Prescription Salvage all beech, except leave any resistant trees or those that are go If there are areas domi	l, suppressed maple stems. Create canopy gaps in areas heavie
Regen: and/or ironwood will not be acceptable. Other Exclude steep slopes and areas of low stocking. These areas have alrected comment: Comment: Exclude steep slopes and areas of low stocking. These areas have alrected comment: Log GPS points at canopy gaps and put into the hardwood gap monitor Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Ha Upland Deciduous Well Well Ha Upland Deciduous Well Prescription Shelterwood leaving 30-40 square feet of the largest and best quality of specs: and sugar maple as well. Leave all birch. Mark to leave clumps of treest beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: A well-stocked stand with any mix of deciduous and conifer species bein of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retention the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91	de beenvierd ook ond bind. Oon one deministed by book
Comment: expect them to change. Log GPS points at canopy gaps and put into the hardwood gap monitor Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Ha Upland Deciduous Well Prescription Shelterwood leaving 30-40 square feet of the largest and best quality o Specs: and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: A well-stocked stand with any mix of deciduous and conifer species being of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retenting Comment: the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Ha Northern Hardwoods Well 140 140 Prescription Salvage all beech, except leave any resistant trees or those that are go ff there are areas dominated by beech with m	
Site Condition Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Prescription Shelterwood leaving 30-40 square feet of the largest and best quality of specs: and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: A well-stocked stand with any mix of deciduous and conifer species being of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retention to suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Haw Northern Hardwoods Specs: If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, while pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	ly been carved out of the treatment boundary but are not exact,
Proposed Start Date: 10/1 /2022 135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Harder Step Prescription Shelterwood leaving 30-40 square feet of the largest and best quality of specs: and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable A well-stocked stand with any mix of deciduous and conifer species being of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retentite the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Harder Northern Hardwoods Prescription Salvage all beech, except leave any resistant trees or those that are goe Specs: If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E	рр.
135 53031135-Cut 12.8 4199 - Other Mixed Sawtimber 84 81-110 Hatter and the second	
Upland Deciduous Well Prescription Specs: Shelterwood leaving 30-40 square feet of the largest and best quality of and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good Next Step Treatments: Monitoring, Natural Regen (Intermediate) Acceptable Regen: A well-stocked stand with any mix of deciduous and conifer species beil of beech and/or ironwood will be considered a failure. Other Comment: Exclude the small finger at the southwest corner of the stand as retentit the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Ha Northern Hardwoods Well 140 Prescription Specs: Salvage all beech, except leave any resistant trees or those that are go If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	
Specs: and sugar maple as well. Leave all birch. Mark to leave clumps of trees beech except leave any large diameter beech that are resistant or good. Next Step Monitoring, Natural Regen (Intermediate) Treatments: A well-stocked stand with any mix of deciduous and conifer species bein of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retentite. Comment: Exclude the small finger at the southwest corner of the stand as retention the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 Altip - Mixed Poletimber 91 Prescription Salvage all beech, except leave any resistant trees or those that are good for the stere are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	vest Shelterwood with 4191 - Mixed Two-Aged N Retention Upland Deciduous with Conifer
Treatments: Acceptable Regen: A well-stocked stand with any mix of deciduous and conifer species bein of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retenting the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Northern Hardwoods Poletimber 91 111- Ha Ha Prescription Salvage all beech, except leave any resistant trees or those that are go Specs: Salvage all beech, except leave any resistant trees or those that are go if there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	round the birch component to prevent exposure shock. Cut all
Regen: of beech and/or ironwood will be considered a failure. Other Exclude the small finger at the southwest corner of the stand as retention the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Hat Northern Hardwoods Well 140 Prescription Specs: Salvage all beech, except leave any resistant trees or those that are go If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	
Comment: the SE edge that have lots of younger oak and scattered large diameter in the vicinity of Line 5. The haul route in and out of this stand will likely not suitable for hauling nor is Line 5. Site Condition Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Have not suitable for hauling nor is Line 5. Site Condition Prescription Salvage all beech, except leave any resistant trees or those that are going Specs: 111 Have not such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	J acceptable. However, regeneration consisting of greater than 5
Proposed Start Date: 10/1 /2022 140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Ha Northern Hardwoods Well 140 Prescription Salvage all beech, except leave any resistant trees or those that are go Specs: If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	white pine. Notify Enbridge beforehand about harvesting activity
140 53031140-Cut 24.7 4119 - Mixed Poletimber 91 111- Ha Northern Hardwoods Well 140 Prescription Salvage all beech, except leave any resistant trees or those that are go Specs: If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	
Northern Hardwoods Well 140 Prescription Specs: Salvage all beech, except leave any resistant trees or those that are go If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. E Next Step Monitoring, Natural Regen (Intermediate)	
Specs:If there are areas dominated by beech with minimal other species, ther underrepresented species in the stand such as red oak, white pine, red take poletimber stems. Leave large diameter aspen for future snags. ENext StepMonitoring, Natural Regen (Intermediate)	vest Single Tree 411 - Northern Uneven- N Selection Hardwood Aged
	reate canopy gaps at least 100 feet in diameter. Do not cut any ine, and paper birch. Favor leaving all sawlog-sized basswood, o
<u>Acceptable</u> Canopy gaps dominated by any species other than beech or ironwood. <u>Regen:</u>	
Other Notify Enbridge beforehand about harvesting activity in the vicinity of Li	5.
Site Condition	
Proposed Start Date: 10/1 /2022	

Report 3 -- Treatments

Pigeon River Country Mgt. Unit S t				Report 3 Treatments					Compartment: 31 Year of Entry: 2025			
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
142	530311	42-Cut	7.1	4199 - Other Mixed Upland Deciduous	Poletimbe Well	r 54	81-110	Harvest	Seed Tree	4116 - Mixed N. Hardwood - Aspen	Two-Aged	No
<u>Pres</u> Spec	<u>SS:</u>	any incio small oa (maple o	dental wh ik compo or beech	g 10-20 BA of the be nite pine, birch, and l onent (pole/saps) so) as trees to be push er and elk browse, v	basswood a that they c led over wit	as well a an be m th the ro	as all oak nore easily oot ball sti	(these species y seen by loggin Il attached. The	won't count toward g equipment. Marl	ls the target residu k numerous poor o	ual BA). Mark Juality, wolfy h	out the ardwood
	<u>Step</u> tments:	Monitori	ng, Natu	ral Regen (Intermed	iate)							
<u>Acce</u> Rege		Fully-sto		and dominated by a d	combinatio	n of asp	en, oak, a	and maple. Reg	eneration dominate	ed by beech and/o	r ironwood wil	ll not be
<u>Othe</u>	_			et all competing reg	eneration k	nocked	down, wit	th the exception	of the young oak.			
Com	ment:	Add 2" s		et all competing reg	eneration k	nocked	down, wit	th the exception	of the young oak.			
Com Site	_ <u>ment:</u> Conditio	Add 2" s	spec to g		eneration k	nocked	down, wit	th the exception	of the young oak.			
Com Site Prop	_ <u>ment:</u> Conditio	Add 2" s <u>n</u> art Date:	spec to g 10/1 /20				down, wit 111- 140	th the exception		411 - Northern Hardwood	Uneven- Aged	N
Com Site Prop 151	<u>ment:</u> Condition osed Sta 530311 cription cs:	Add 2" s n art Date: 51-Cut Thin to 8	10/1 /20 29.9 / 30-90 squarts	022 4110 - Sugar Maple Association uare feet. No canopy in the stand such as	Sawtimbe Well / gaps at th	r 91 iis time.	111- 140 Cut all be	Harvest	Crown Thinning any good wildlife ti	411 - Northern Hardwood rees or resistant tro	Aged ees. Do not cu	ut any ra
Com Site (Prop 151 Press Spec Next	<u>ment:</u> Condition osed Sta 530311 cription cs:	Add 2" s n art Date: 51-Cut Thin to 8 species	10/1 /20 29.9 / 30-90 squarts	022 4110 - Sugar Maple Association uare feet. No canopy in the stand such as	Sawtimbe Well / gaps at th	r 91 iis time.	111- 140 Cut all be	Harvest	Crown Thinning any good wildlife ti	411 - Northern Hardwood rees or resistant tro	Aged ees. Do not cu	ut any ra
Com Site of Prop 151 Prese Spec Next Treat	Condition osed Sta 530311 cription <u>se</u> Step tments: eptable	Add 2" s n art Date: 51-Cut Thin to 8 species	10/1 /20 29.9 / 30-90 squarts	022 4110 - Sugar Maple Association uare feet. No canopy in the stand such as	Sawtimbe Well / gaps at th	r 91 iis time.	111- 140 Cut all be	Harvest	Crown Thinning any good wildlife ti	411 - Northern Hardwood rees or resistant tro	Aged ees. Do not cu	ut any ra
Com Site 1 Prop 151 Press Spec Next Treat Accee Rege	Step tment: Condition 530311 530311 cription cs: Step tments: eptable en: en: en: ment:	Add 2" s n art Date: 51-Cut Thin to 8 species exposure Exclude the east	10/1 /20 29.9 - 30-90 sq that are e shock. areas of and wes	022 4110 - Sugar Maple Association uare feet. No canopy in the stand such as	Sawtimbe Well / gaps at th red pine, v	r 91 iis time. vhite pir	111- 140 Cut all be ne, oak, e I southeas	Harvest eech except for Im, or birch. Do	Crown Thinning any good wildlife tu not mark within a tment boundary al	411 - Northern Hardwood rees or resistant tru 1/2 chain of any ye ready adjusted to o	Aged ees. Do not cu ellow birch to p exclude those	ut any ra prevent
Com Site 1 Prop 151 Press Spec Next Treat Acce Rege Qthe Com	Step tment: Condition 530311 530311 cription cs: Step tments: eptable en: en: en: ment:	Add 2" s n art Date: 51-Cut Thin to 8 species exposure Exclude the east operatin	10/1 /20 29.9 - 30-90 sq that are e shock. areas of and wes	022 4110 - Sugar Maple Association uare feet. No canopy in the stand such as flower stocking on the st sides). Protect the	Sawtimbe Well / gaps at th red pine, v	r 91 iis time. vhite pir	111- 140 Cut all be ne, oak, e I southeas	Harvest eech except for Im, or birch. Do	Crown Thinning any good wildlife tu not mark within a tment boundary al	411 - Northern Hardwood rees or resistant tru 1/2 chain of any ye ready adjusted to o	Aged ees. Do not cu ellow birch to p exclude those	ut any r prevent

Total Treatment 463.3 Acreage Proposed:

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

Availability for Management

Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	s				
Acres	Available	With Condition	Not Available		5B	5C	MC	1A	2G	2H	3A	ЗJ	5E
519	496	0	24	Aspen			0					14	10
228	0	0	228	Cedar					228				
52	52	0	0	Cropland									
35	35	0	0	Herbaceous Openland									
5	5	0	0	Jack Pine									
44	44	0	0	Low-Density Trees									
24	0	0	24	Lowland Deciduous					24				
14	6	0	8	Lowland Mixed Forest					8				
25	25	0	0	Lowland Shrub									
19	0	0	19	Lowland Spruce/Fir					19				
16	16	0	0	Marsh				0					
292	133	153	6	Mixed Upland Deciduous	9	143	1				1	2	3
101	51	23	27	Natural Mixed Pines		23					12	14	1
726	589	99	38	Northern Hardwood		95	4		2		26	11	
21	0	21	0	Oak	21								
119	75	44	0	Red Pine	15	29							
17	14	0	2	Upland Conifers				2					
212	207	0	5	Upland Mixed Forest									5
13	13	0	0	Upland Shrub									
3	0	0	3	Upland Spruce/Fir						3			
10	10	0	0	Urban									
13	13	0	0	Water									
41	38	0	3	White Pine				2			2		
2,550	1,822	341	387	Total Forested Acres	45	291	6	4	280	3	40	41	19
	71%	13%	15%	Relative Percent									

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Numerous vernal po	ools in this stand.					

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	_	ountry Mgt. Unit owski : Examiner		Report 4 – Site Co	nditions	Compartment: 31 Year of Entry: 20	
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: High quality stand	with a lot of old, large diameter t	rees. Lea	ave unmanaged.			
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainage.						
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	81	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Results of the gap	treatments will determine the tre	eatment r	next entry. Either thin in I	petween the gaps, prescribe a	a new round of gaps, or l	eave alone.
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	92	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

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7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
9	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: BAs are lower in th	nese areas and do not need to be	e thinne	d with the rest of stand 15	1.		
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

		ountry Mgt. Unit owski : Examiner		Report 4 – Site Con	ditions	Compartment: 31 Year of Entry: 2025		
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Small vernal pool.							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Vernal pool to the r	north and seasonally wet area to	the sout	th in this site condition.				
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Small seep that dra	ains north into stand 125.						
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							

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20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
21	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
22	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Desired retention a	areas for stand 51.					
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Several massive w	hite pine in the area covered by	this site	condition. Leave unmana	ged for now.		
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	279	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
25	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
27	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
29	Unavailable	1A: Federal/State/Local Law	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural river influer	nce zone for the Little Pigeon Ri	ver, a trit	outary of the Pigeon Rive	r.		
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

				Report 4 – Site Cor	nditions		
		ountry Mgt. Unit cowski : Examiner				Compartment: 31 Year of Entry: 202	
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
33	Available	Minor Change in Acreage	6				
(Comments:						
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
35	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
37	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: _arge diameter leg	acy trees throughout, provides a	a good sw	amp buffer.			

Unavailable nments: nerous vernal p Unavailable nments:	3J: Water quality / BMPs (stream, river, or lake)	8 I within th 3	Unspecified	Unspecified	Unspecified	Unspecified
nerous vernal p Unavailable	3A: Conservation Values incompatible with harvest		is site condition. There is	s also a small seasonal strea		
	incompatible with harvest	3			am, with defined banks, at	the south end.
nments:			Unspecified	Unspecified	Unspecified	Unspecified
all acreage, old	trees. Should be left unmanage	ed.				
Unavailable	3A: Conservation Values incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
nments: rounded by rece	ent aspen clearcut, should be le	ft as mat	ure cover, at least until th	he surrounding aspen is read	dy for another harvest.	
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
nments:	covers numerous vernal pools i	n stand 9	9. The southeast segme	ent of the site condition is a s	mall seasonal stream.	
Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
nments: y-stocked hard	wood understory. Manage for ha	ardwoods	, let the overstory senes	ce naturally.		
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
nments: se stands serve	e as good buffers for Mud Lake	. Do not n	nanage.			
	all acreage, old Unavailable mments: rounded by reco Unavailable mments: site condition Available mments: y-stocked hard Unavailable mments:	all acreage, old trees. Should be left unmanage Unavailable 3A: Conservation Values incompatible with harvest at this time nments: rounded by recent aspen clearcut, should be le Unavailable 3J: Water quality / BMPs (stream, river, or lake) nments: a site condition covers numerous vernal pools in Available 5B: Maintain for regeneration purposes nments: y-stocked hardwood understory. Manage for hat Unavailable 3J: Water quality / BMPs (stream, river, or lake) nments: y-stocked hardwood understory. Manage for hat Unavailable 3J: Water quality / BMPs (stream, river, or lake) nments:	all acreage, old trees. Should be left unmanaged. Unavailable 3A: Conservation Values 4 incompatible with harvest at this time 4 inments: 53 is the condition covers numerous vernal pools in stand 9 Available 5B: Maintain for regeneration purposes inments: 6 y-stocked hardwood understory. Manage for hardwoods Unavailable 3J: Water quality / BMPs 9 (stream, river, or lake) 9 inments: 9	all acreage, old trees. Should be left unmanaged. Unavailable 3A: Conservation Values 4 Unspecified incompatible with harvest at this time 4 Unspecified nments: ounded by recent aspen clearcut, should be left as mature cover, at least until t Unavailable 3J: Water quality / BMPs 2 Unspecified Imments: cstream, river, or lake) 2 Unspecified nments: site condition covers numerous vernal pools in stand 99. The southeast segme Available 5B: Maintain for regeneration purposes 6 Unspecified nments: y-stocked hardwood understory. Manage for hardwoods, let the overstory senes Unavailable 3J: Water quality / BMPs 9 Unspecified	all acreage, old trees. Should be left unmanaged. Unavailable 3A: Conservation Values incompatible with harvest at this time 4 Unspecified Unspecified Imments: The sum of the sum	all acreage, old trees. Should be left unmanaged. Unavailable 3A: Conservation Values incompatible with harvest at this time 4 Unspecified Unspecified Unspecified nments: ounded by recent aspen clearcut, should be left as mature cover, at least until the surrounding aspen is ready for another harvest. Inspecified Unspecified Unspecified Unavailable 3.J: Water quality / BMPs (stream, river, or lake) 2 Unspecified Unspecified Unspecified Inments: • site condition covers numerous vernal pools in stand 99. The southeast segment of the site condition is a small seasonal stream. Available 5B: Maintain for regeneration purposes 6 Unspecified Unspecified Unspecified nments: • stocked hardwood understory. Manage for hardwoods, let the overstory senesce naturally. Unspecified Unspecified Unspecified Unavailable 3.J: Water quality / BMPs (stream, river, or lake) 9 Unspecified Unspecified Unspecified Inavailable 3.J: Water quality / BMPs (stream, river, or lake) 9 Unspecified Unspecified Unspecified Inavailable 3.J: Water quality / BMPs (stream, river, or lake) 9 Unspecified Unspecified Unspecified Inava

	_	ountry Mgt. Unit kowski : Examiner		Report 4 – Site Cor	nditions	Compartment: 31 Year of Entry: 20	
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: BAs are lower in th	nese areas and do not need to be	e thinned	with the rest of stand 15	1.		
45	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Series of vernal po	ools and drainages in stand 109.	Protect w	ith appropriate buffers.			
46	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Vernal pool buffer.						
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Very nice hardwoo	d understory that should be allow	wed to de	velop.			
48	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
49	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report	4 – Site	Conditions
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51	Available	5B: Maintain for regeneration purposes	1	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
53	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified



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

Compartment: 31 Year of Entry 2025



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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condition stocked trout populations and those of other coldwater fish speci- conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci- year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high o communities are ecologically and socially significant in their effe as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10	s Zoning District is a 400 foot buffer for

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Stand	Level 4 Cover Type	Size Density	Acres Stand Age B	A Range	Managed	Site	General Comments
1	330 - Low-Density Trees	Nonstocked	22.9 U	nspecified	No		Borderline forested/non-forested stand. Clumps of trees scattered
			Sub-Canopy Species	Density	Avg. Height	Size	throughout, average ba/acre from 8 plots = 20 square feet. Black cherry is dominant in many areas, although not commercial quality. There looks
			Red Pine	Trace	>20 feet	Log	like there are 2 age classes of aspen in this stand, suggesting that it may
			Bigtooth Aspen	Low	>20 feet	Pole	have been harvested at one time, but no sale records exist. There are
			White Pine	Low	>20 feet	Log	some nice serviceberry clumps, although not common in the stand.
			Red Pine	Trace	5 - 10 feet	Sapling	
			Bigtooth Aspen	Trace	>20 feet	Log	
			Red Maple	Low	>20 feet	Log	
			Jack Pine	Low	>20 feet	Pole	
			Balsam Fir	Trace	>20 feet	Pole	
			White Pine	Low	Variable	Sapling	
			Red Oak	Trace	>20 feet	Log	
			White Pine	Low	>20 feet	Pole	
			Red Oak	Trace	>20 feet	Sapling	
			Black Cherry	High	Variable	Tall Shrub	
			Jack Pine	Low	Variable	Sapling	
			Serviceberry (Juneberry)	Trace	>20 feet	Tall Shrub	
			Sweet Fern	High	< 5 feet	Tall Shrub	
			Red Maple	Trace	>20 feet	Pole	
2	3205 - Mixed Upland Shrub	Nonstocked	1.9 U	nspecified	No		From imagery, it appears this stand was clearcut in 1997 at the same
			Sub-Canopy Species	Density	Avg. Height	Size	time as adjacent stand #3, however this stand did not regenerate well and is now non-forested.
			White Pine	Trace	>20 feet	Pole	
			White Pine	Trace	Variable	Sapling	
			Jack Pine	Low	Variable	Sapling	
			Black Cherry	Low	Variable	Tall Shrub	
			Sweet Fern	High	< 5 feet	Tall Shrub	
			Red Pine	Trace	>20 feet	Log	
			Jack Pine	Low	>20 feet	Pole	
				1	1	1	1

3	4130 -	- Aspen		Sapling	j Well	5.3	25	Imn	nature	N/A	
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-C	anopy Sp	ecies	Density	Avg. Height	Size
	Quaking Aspen	70	Sapling/Pole	3	25	W	/hite Pine		Low	Variable	Sapling
	Red Pine	4	Log	15		Bla	ack Cherry	/	Medium	Variable	Tall Shrub
	Red Maple	2	Sapling	3		R	ed Maple		Medium	Variable	Sapling
	Jack Pine	4	Pole/Sapling	5							
	Bigtooth Aspen	10	Sapling/Pole	4							
	White Pine	10	Log/Pole/Sap	b 14							

This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Regeneration came back well and the stand is fullystocked. However, the quaking aspen does not look healthy in all places. Scattered residual of mostly white pine, with a little red pine.



12 3/2

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Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	3A Range	Managed	Site	General Comments
4	42110 - Pla	nted Red F	Pine S	Sawtimb	er Well	24.5	69	141-170	N/A		Decent quality red pine plantation. Last thinned in 2005 in the sale
	Canopy Species	% Cover	· Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	"Standby Pine" (# 53-015-05-01, Biewer). BAs are variable, with several areas of low stocking. The areas of lower BA look like they had a
	Red Maple	2	Pole	6		Blac	k Cherry	Low	Variable	Tall Shrub	significant amount of jack pine, which was all removed in the previous
	Red Pine	96	Log/Pole	12	69	Jao	ck Pine	Low	10 - 20 feet	Sapling	harvest. Some areas of very heavy browse on the red maple understory.
	White Pine	2	Pole/Log	8		Wh	ite Pine	Low	Variable	Sapling	Average ba/acre from 11 plots = 154 square feet. Flat terrain. An old railroad grade parallels the road in the west half of the stand.
						Re	ed Oak	Trace	>20 feet	Sapling	
						Red	d Maple	Low	Variable	Sapling	
						Red	d Maple	Medium	< 5 feet	Seeding	
5	4130	- Aspen		Sapling	l Well	1.3	16	Immature	N/A		Cut by Biewer in 2005 in the sale "Standby Pine" (#53-015-05-01). Ground is a toss-up between upland and lowland.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Oak	2	Sapling	2		Та	g Alder	Low	Variable	Tall Shrub	
	Quaking Aspen	88	Sapling	2	16						
	Balsam Fir	6	Sapling	2							
	White Pine	4	Sapling/Pole	3							
6	429 - Mixed U	-	nifers S	Sawtimb DBH	er Well Age	6.0 Sub-Car	76 10py Species	81-110 Density	N/A	Size	Mixed species stand that lies on a transition between upland and lowland Wet ground is more prevalent along the south and east edges, becoming very upt along the south and east edges, becoming
	Red Pine	5	Log/XLog	14			d Maple	Low	Variable	Sapling	very wet along the southeast side, and there is also some wet ground in the interior as well. White pine is present in a dense clump at the far
	White Pine	31	Log/Pole/XLog	g 13	76	Blac	k Spruce	Trace	Variable	Sapling	north end of the stand but is also scattered throughout the stand. White
No	orthern White Cedar	5	Log/Pole	11		Wh	ite Pine	Trace	Variable	Sapling	pine legacy trees are present. Trace of paper birch. Average ba/acre from 5 plots = 108 square feet. A large part of this stand lies within the
	Paper Birch	2	Log/Pole	10		Pap	er Birch	Trace	>20 feet	Sapling	influence zone of the Little Pigeon River. Leave unmanaged.
	Balsam Fir	12	Pole	7		Nar	nnyberry	Trace	5 - 10 feet	Tall Shrub	
	Black Spruce	28	Pole/Log	8		Та	g Alder	Medium	10 - 20 feet	Tall Shrub	
	Red Maple	11	Log/Pole	11		Bal	sam Fir	Medium	Variable	Sapling	
	Red Oak	1	Log	14							-
	Tamarack	5	Log	11							
7	42260 - Natural Pi	ne, Mixed I	Deciduous S	Sawtimb	er Well	4.3	85	111-140	N/A		Small stand dominated by white pine with a closed road that runs east- $_{\rm l}$ west through the middle of the stand. The white pine is generally high
	Canopy Species	% Cover	· Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	quality with a variety of size classes present. There are a handful of
	White Pine	55	Log/Pole/XLog	g 14	85	Blac	k Cherry	Trace	Variable	Tall Shrub	massive white pine greater than 30" DBH, including a 48" tree in the
	Jack Pine	2	Pole	8		Wh	ite Pine	Medium	Variable	Sapling	southwest part of the stand. There are also a couple of very large red oa
	Red Oak	3	XLog/Log	20		Bal	sam Fir	Low	Variable	Sapling	in the stand as well. A small inclusion dominated by red maple and aspe is present in the middle of the stand. Trace of paper birch (log/pole).
	Red Pine	7	Log/XLog/Pole	e 13		Blac	k Spruce	Trace	Variable	Sapling	Average ba/acre from 6 plots = 122 square feet. No management neede
	Red Maple	20	Pole/Log	8							at this time. Perhaps thin next entry if BAs are high enough.
		-									

Bigtooth Aspen

Black Spruce

Log/XLog/Pole

Pole

9

4

15

8

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3	4319 - Mixed	l Upland Fo	rest Po	letimb	er Poor	17.0	61	1-50	N/A		Poorly-stocked stand with non-forested areas scattered throughout.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	Quality is generally poor on all species, however there are some bette quality stems here and there. Jack pine is more dominant in the east
	Red Oak	4	XLog/Log	22			rry (Juneberry)	Trace	Variable	Tall Shrub	finger of the stand. Some merchantable black cherry although most ar
	White Pine	18	Pole/Log	8		Wh	ite Pine	Medium	Variable	Sapling	poor form and only shrub quality. A few of the red oak are very large,
	Jack Pine	29	Pole/Log	8		Re	ed Pine	Trace	Variable	Sapling	close to 30" DBH. Trace of XL-sized white pine and red maple. Some clumps of white pine and jack pine regen are present, most are bushy
(Quaking Aspen	2	Pole	8		Bal	sam Fir	Trace	Variable	Sapling	and open-grown but there are some decent clumps of young white pin
	Black Cherry	4	Pole/Log	8		Re	ed Oak	Trace	>20 feet	Sapling	Average ba/acre from 11 plots = 44 square feet. The old Richardson
	Red Maple	40	Pole/Log	8	61	Jac	ck Pine	Low	Variable	Sapling	railroad grade runs east-west along the northern edge of the stand. As you move east along the grade, it becomes more elevated with
	Red Pine	1	Pole/Log	8		Blac	k Cherry	Medium	Variable	Tall Shrub	substantial borrow pits on either side.
	Bigtooth Aspen	2	Pole	8							
	42110 - Plar	nted Red Pi	ne Po	letimb	er Well	41.3	35 1	111-140	N/A		This stand was clearcut in 1987 in the sale McJack Pine (#53-023-87,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	Georgia Pacific) and then subsequently replanted to red pine. The red pine looks in good shape but is not as well-stocked as you'd expect fo
		•	Pole/Sapling	5		Blac	k Cherry	Medium	Variable	Tall Shrub	
	Bigtooth Aspen	2	r olc/oapiling								
	Bigtooth Aspen White Pine	2	Pole/Sapling	6		Wh	ite Pine	Trace	Variable	Sapling	
	<u> </u>				35	Wh	ite Pine	Trace	Variable	Sapling	$^{\perp}$ into some places. Trace of red oak (sap/pole/log), red maple (pole), a
	White Pine	2	Pole/Sapling	6	35	Wh	ite Pine	Trace	Variable	Sapling	I into some places. Trace of red oak (sap/pole/log), red maple (pole), a balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. FI terrain. Row widths appear wide enough for a third row thinning in mo
	White Pine Red Pine	2 81 15	Pole/Sapling Pole/Sapling Pole/Sapling	6 6 6	35 er Well	Whi 5.5		Trace 111-140	Variable N/A	Sapling	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in most places, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia
0	White Pine Red Pine Jack Pine 42110 - Plar Canopy Species	2 81 15 nted Red P	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole Size Class	6 6 6 letimb		5.5 Sub-Can	35 1 nopy Species	111-140 Density	N/A Avg. Height	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flatterrain. Row widths appear wide enough for a third row thinning in most places, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine	2 81 15 nted Red P % Cover 6	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling	6 6 letimb DBH 6	er Well Age	5.5 Sub-Can	35 1	111-140	N/A	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flatterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine	2 81 15 nted Red P ⊗ Cover 6 86	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling	6 6 letimb DBH 6 7	er Well	5.5 Sub-Can	35 1 nopy Species	111-140 Density	N/A Avg. Height	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flatterrain. Row widths appear wide enough for a third row thinning in most places, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty got and is mostly all merchantable at this point. A small inclusion of asper places the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine	2 81 15 nted Red P % Cover 6	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling	6 6 letimb DBH 6	er Well Age	5.5 Sub-Can	35 1 nopy Species	111-140 Density	N/A Avg. Height	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flatterrain. Row widths appear wide enough for a third row thinning in most places, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 letimb DBH 6 7	er Well Age 35	5.5 Sub-Can	35 1 1opy Species k Cherry	111-140 Density	N/A Avg. Height	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and
)	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Blac 14.9	35 1 1opy Species k Cherry	111-140 Density Medium	N/A Avg. Height Variable	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and
)	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Blac 14.9 Sub-Can	35 1 nopy Species k Cherry Un	111-140 Density Medium	N/A Avg. Height Variable No	Size	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Blact 14.9 Sub-Can Blact	35 1 nopy Species k Cherry Un nopy Species	111-140 Density Medium nspecified Density	N/A Avg. Height Variable No	Size Tall Shrub	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel
)	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Black 14.9 Sub-Can Black Black	35 1 nopy Species k Cherry Un nopy Species k Spruce	111-140 Density Medium nspecified Density Low	N/A Avg. Height Variable No	Size Tall Shrub	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flaterrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel
)	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Black 14.9 Sub-Can Black Bals Tar	35 1 nopy Species k Cherry Un nopy Species k Spruce sam Fir	111-140 Density Medium Aspecified Density Low Low	N/A Avg. Height Variable No	Size Tall Shrub Size Pole Pole Sapling	 into some places. Trace of red oak (sap/pole/log), red maple (pole), at balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Fit terrain. Row widths appear wide enough for a third row thinning in mosplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel Lake Road.
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Black 14.9 Sub-Can Black Black Tar Bals Catt	35 1 hopy Species k Cherry Un hopy Species k Spruce sam Fir marack sam Fir tail spp.	111-140 Density Medium Medium Density Low Low Low Low Low Low Low	N/A Avg. Height Variable No	Size Tall Shrub Size Pole Pole Sapling Non-Wood	This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty goo and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. -Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel Lake Road.
0	White Pine Red Pine Jack Pine 42110 - Plan Canopy Species Jack Pine Red Pine Quaking Aspen	2 81 15 nted Red P ⊗ Cover 6 86 86 8	Pole/Sapling Pole/Sapling Pole/Sapling ne Pole/Sapling Size Class Pole/Sapling Pole/Sapling Sapling/Pole	6 6 6 letimbe DBH 6 7 4	er Well Age 35	5.5 Sub-Can Blact 14.9 Sub-Can Blact Bals Catt Catt	35 1 hopy Species k Cherry Un hopy Species k Spruce sam Fir marack sam Fir	111-140 Density Medium Density Low Low Low Low Low Trace	N/A Avg. Height Variable No	Size Tall Shrub Size Pole Pole Sapling	 into some places. Trace of red oak (sap/pole/log), red maple (pole), al balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Filt terrain. Row widths appear wide enough for a third row thinning in morplaces, which should be prescribed next entry if BAs have reached 18 square feet or higher. This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty god and is mostly all merchantable at this point. A small inclusion of asper present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet. Little Pigeon River flows through this standTamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickerel Lake Road.

Stand

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Report 7 - Stande

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Red Prine 2 LogPole 12 White Prine Medium Variable Sample Marking Aspan 3 Pole 6 Balank Fir Tace Variable Sample	Pigeon River C	ountry Mg	gt. Unit				Repo	ort 7 – Sta	inds		Compartment: 31 Year of Entry: 2025
Canopy Species % Cover Size Class DBH Age DBL Age Sub-Canopy Species Density Aug. Height Size Statur multiple Sub-Canopy Species Density Multiple Sub-Canopy Species Sub-Canopy Species Sub-Canopy Species Density Multiple Sub-Canopy Species Sub-Canopy Species Sub-Canopy Species Density	Level 4 C	over Type	S	Size Der	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
Caropy Species Year Star Class DBH Age DBH Age Size-Caropy Species Density Arg. Height Size Ta square feet While Pine 2 Log III 12 Balaam Fir Trace Variable Spaging Red Majo 5 Pole/Log 8 - Balaam Fir Trace Variable Spaging feet 4311 - Pine, Appen Mix Pole/Log 8 - - First Spaging feet Trace Variable Spaging Trace Trace	42220 - Nat	tural Jack F	Pine P	oletimbe	er Well	0.9	77	51-80	N/A		
Red Prine 2 LogPole 12 White Prine Medium Variable Sample Marking Aspan 3 Pole 6 Balank Fir Tace Variable Sample	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
While Prine 3 Pole 6 Black Cherry Trace Variable Tail Strub Jack Prine 8 PoleLog 8 77 Second		2	Log/Pole	12		Wł	nite Pine	Medium		Sapling	
Field Maple 5 PoleILog 8 7 4311 - Pine, Aspen Mix PoleILog 8 7 4311 - Pine, Aspen Mix PoleILog 8 7 Canopy Species % Cover Size Class BBH Age Size Size Balsam Fir 7 Sapling/Pole 4 Variable Sapling Vinite Spruce 1 Pole 6 Balsam Fir Balsam Fir Medium Variable Sapling 42290 - Naturel Mixed Drine 2 Pole/Sapling 5 35 White Spruce 1 Pole 6 Balsam Fir Medium Variable Sapling 42290 - Naturel Mixed Drine 5 35 Black Cherry Medium Variable Sapling Concoy Species 7.4 78 141-170 N/A N/A PoleInset Advector Adv	Quaking Aspen	2	Log	12		Ba	lsam Fir	Trace	Variable	Sapling	
Jack Pine 88 Pole/Log 8 77 4311 - Pine, Aspen Mix Pole/Log 8 77 4311 - Pine, Aspen Mix Pole/Log 8 77 Balsam Fir White Pine Cov Variable Saping Mints Proce 1 Pole/Esping 6 Mints Proce 2 Pole/Saping 6 Red Pine 2 Pole/Saping 5 Mints Proce 1 Pole 6 Red Pine 2 Pole/Saping 5 Mints Proce 1 Pole 6 Red Pine 2 Pole/Saping 5 Minte Pine 2 Pole/Saping 5 Minte Pine 2 Pole/Saping 7 Minte Pine 3 Log/Pole/Log 7 Minte Pine 3 Log/Pole/Log 7 Minte Pine 4 Log/Pole/Log 7 Minte Pine 4 Log/Pole/Log 7 Minte Pine	White Pine	3	Pole	6		Blac	k Cherry	Trace	Variable	Tall Shrub	
4311 - Pine, Aspen Mix Poletimber Well 12.8 35 81-110 N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Mark Pine Size Description Georgia Pacific, Regeneration came back well. Mixed pine is dominant in the ternainder. The aspen is poor quality and does not appear healthy in any areas. Some aspen disback was noted in the northwest 120 die testand, aspen is dominant in the ternainder. The aspen is poor quality and does not appear healthy in any areas. Some aspen disback was noted in the northwest 120 die testand, aspen is dominant in the ternainder. The aspen is poor quality and does not appear healthy in any areas. Some aspen disback was noted in the northwest 120 die testand, aspen is dominant in the ternainder. The aspen is poor quality and does not appear healthy in any areas. Some aspen disback was noted in the northwest 120 die testand, aspen is dominant in the ternainder. The aspen is poor quality and does not appear healthy in any areas. Some aspen disback was noted in the northwest 120 die testand. The aspen is poor quality and does not appear healthy in amy areas. Some aspen disback was noted in the northwest 120 die testand may areas. Some aspen disback was noted in the northwest 120 die testand may areas. Some aspen disback was noted in the northwest 120 die testand may areas. Some aspen disback aspen is dominant in the remainder. The aspen is poor quality and does not appear healthy in amy areas. Some aspen disback aspen is dominant in the remainder. The aspen is poor quality and does not appear healthy in the intermation. The aspen is poor quality and does not appear healthy in the intermation. The aspen is poor quality and does not appear healthy in the intermaticant the north hat of the stand has a spen test. And thea spate is	Red Maple	5	Pole/Log	8						1	
Canopy Species % Cover Size Class DBH Age DBL Age DBL Age DBL Age DBL Age DBL Age DBL Age DBL Age DBL Age Pole/Saping 0 DBH Age DBL	Jack Pine	88	Pole/Log	8	77						
Canopy species % cover Size Class DBH Age Sub-Canopy species Density Avg. Height Age, Pine Size In the west/northwest 1/2 of the stand, sapen is dominant in the remainder. The sapen is poor uality and does not appear healthy in may areas. Some aspen deback was noted in the northwest order of the stand. The sapen is poor uality and does not appear healthy in may areas. Some aspen deback was noted in the northwest order of the stand. The sapen is poor uality and does not appear healthy in may areas. Some aspen deback was noted in the northwest order of the stand. The sapen is poor uality and does not appear healthy in may areas. Some aspen deback was noted in the northwest order of the stand. The sapen is poor uality and does not appear healthy in may areas. Some aspen deback was noted in the northwest order of the stand. The sapen is poor uality and does not appear healthy in the stand. The sapen is poor uality and does not appear healthy in the stand. The sapen is poor uality and does not appear healthy in the stand. The same is poor uality and does not appear healthy in the stand math on the sapen is poor uality and does not while pine component. Many of these and dars and gare trees meeting while pine ordproker to the stand has heavier while pine component. The jock pine and aspen are mostly in the southeast part of the stand. As heavier while pine component. The jock pine and aspen are mostly in the southeast part of the stand. As heavier while pine component. The jock pine and aspen are mostly in the southeast part of the stand. As heavier while pine component. The jock pine and aspen are mostly in the southeast part of the stand. As heavier while pine component. The jock pine stand was heavier while pine component. The jock part is and does not part of the stand winch borders stand of 1 the stand has heaviner while pine component of the stand. As heaviner wh	4311 - Pin	e, Aspen N	lix P	oletimbe	er Well	12.8	35	81-110	N/A		
Balasm Fir 7 Sapling/Pole 4 White Pine Low Variable Sapling many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in many areas. Some aspen is poor quality and does not appear healthy in the stand not a many of these appear is and with a variety of size classes (20" red and many of these larger trees merel legacy in the more appear in the wide pare dates of 10 meres for aspen areas of 10 w stocking, closer to the stand has a heavier with the stand. The orth half of the stand has a heavier with the stand aspen areas of low stocking, closer to the stand appear areas and white by any drees is the stand has a heavier with a variety of size classes and white by any drees is the stand has a heavier with a difference is appear areas of low stocking, closer to the stand appear areas and white by any drees is the stand has a heavier with a variety fies kis and areas of low stocking, closer to the stand. A f	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
White Spruce 1 Pole 6 Black Cherry Medium 5 - 10 feet Tail Shrub the stand. Trace of balsam polar (pole) and rod cak (log). Average balace from 7 piols = 83 square feet. White Spruce 44 Pole/Saping 5 7 </td <td>Balsam Fir</td> <td>7</td> <td>Sapling/Pole</td> <td>4</td> <td></td> <td>Wł</td> <td>ite Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> <td>remainder. The aspen is poor quality and does not appear healthy in</td>	Balsam Fir	7	Sapling/Pole	4		Wł	ite Pine	Low	Variable	Sapling	remainder. The aspen is poor quality and does not appear healthy in
Write Spluce 1 Pole 6 Disk Disk Chirty Medulin 5 - 10 feet Tail Shrule ba/acre from 7 plots = 83 square feet. Make drine 2 Pole/SapLog 5 35 White Prine 26 Pole/SapLog 6 Acapy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Acapy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Mike Spine 3 Log/Pole/XLog 13 78 Sub-Canopy Species Variable Saping White Spince 1 Log 13 78 Sub-Canopy Species Variable Saping White Spince 1 Log 13 78 Sub-Canopy Species Variable Saping White Spince 1 Log 13 78 Sub-Canopy Species Saping Saping Sub-Canopy Species Saping Saping Sub-Canopy Species Saping Saping Sub-Canopy Species Saping Sub-Canopy Species Saping	Jack Pine	20	Pole/Sapling	6		Ba	lsam Fir	Medium	Variable	Sapling	
Red Pine 2 Pole/Sap/Log 7 3 Quaking Aspen 44 Pole/Sap/Log 6 42290 - Natural Mixed Pine Sawtimber Will 7.4 78 141-170 N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Nake Nine 8 Log/Pole/XLog 13 7.4 78 141-170 N/A Quaking Aspen 3 Log/Pole/XLog 13 7.4 78 141-170 N/A Vinte Spruce 1 Log 13 76 Black Cherry Trace Variable Saping White Spruce 1 Log 13 76 Black Cherry Trace Variable Saping White Spruce 1 Log 13 76 Black Cherry Trace Variable Saping Black Spruce 2 Pole/Log 8 Field Variable Saping Saping Sabic-Canopy Species Med Saping Sabic-Canopy Species N/A Sapape Infich, and cedar. Average balcare fro	White Spruce	1	Pole	6		Blac	k Cherry	Medium	5 - 10 feet	Tall Shrub	
White Pine 26 Pole/Sap/Log 6 42290 - Natural Mixed Pine Sawtim-treet 7.4 78 141-170 N/A Canopy Species % Cover Size Class DBH Age Black Cherry Trace Variable Tsi Jack Pine 38 Log/Pole/XLog 13 78 Black Cherry Trace Variable Tsi Subtes and With a variety of size classes present. Sawlog and poletimetr rese dominate but there is an older age class of 20" + red and withe pine scattered throughout. Many of these larger trees meet legacy tr	Red Pine	2	Pole/Sap/Log	7						1	
42290 - Natural Mixed Pine Sawtimber Well 7.4 78 141-170 N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Mixed Pine 38 Log/Pole/XLog 13 78 141-170 N/A Mike Spruce 1 Log 13 74 78 141-170 N/A Mike Spruce 1 Log 13 74 78 141-170 N/A Mike Spruce 1 Log 13 78 141-170 Variable Sapling White Spruce 1 Log 13 78 141-170 Variable Sapling Mike pine stand with a variety of size classes present. Sawlog and poletimber trees dominate but there is an older age class of 20+ red and which pine stand. A few areas of low stocking, closer to the stand. A few areas of low stocking, closer to the stand. A few areas of low stocking, closer to the stand. A few areas of low stocking, closer to the stand which borders stand 19. The stick nest in the south part of the stand stand which borders stand 19. The stick nest in the south part of the stand stand which borders stand 19. The stick nest in the south part of the stand stand which borders stand 19. The stick nest in the south part of the stand stand which borders stand 19. The stick nest in the south part of the stand which	Quaking Aspen	44	Pole/Sapling	5	35						
Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Red Pine 38 Log/Pole/XLog 13 78 Black Cherry Trace Variable Saling Jack Pine 8 Log/Pole 10 Image: Species Variable Saling Variable Saling Image: Species Saling Saling Image: Species Saling Image: Species Saling Image: Species Saling Saling Saling Salin Saling Saling	White Pine	26	Pole/Sap/Log	6							
Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Med Pine 38 Log/Pole 10 78 Black Cherry Trace Variable Tall Shrub Multe Spruce 1 Log/Pole 10 White Pine Log/Pole 10 White Spruce Trace Variable Sapling Quaking Aspen 2 Log/Pole 10 White Spruce Trace Variable Sapling White Spruce 2 Log/Pole/LOg 12 78 White Spruce Trace Variable Sapling White Spruce 2 Pole/LOg 16 Balsam Fir High Variable Sapling Walke Spruce 2 Pole/LOg 8 Balsam Fir 3.6 2.6 Immature N/A Canopy Species % Cover Size Sapling 3.6 2.6 Immature N/A Sigboth Aspen 95 Sapling 3.6 2.6 Immature N/A Black Cherry Medium Variable Tall Shrub	42290 - Natu	ural Mixed I	Pine S	awtimbe	er Well	7.4	78	141-170	N/A		
Jack Pine 8 Log/Pole 10 White Pine Low Variable Saping White Spruce 1 Log 13 White Spruce Trace Variable Saping White Spruce 1 Log/Pole 10 White Spruce Trace Variable Saping White Spruce 2 Log/Pole/Log 10 White Spruce Trace Variable Saping Balsam Fir 2 Pole/Log 8 Canopy Species Pole/Log 8 Canopy Species Density Avg. Height Size At130 - Aspen Saping/Pole 4 26 Saping/Pole 3.6 26 Immature NA Clearcut in 1997 in the sale Mud Lake Blocks (Georgia Pacific, #53-011-96). Aspen regenerated well. Very heavy browse on red maple understory. Did not visit in 2022. Field visit in 2023 and update stand aspen are included hemlock and white spruce 6131 - Hemlock, White Pine, Maple, Sawtimber Medium 5.7 86 1-50 N/A Saping	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
White Spruce 1 Log / 13 White Spruce Trace Variable Sprung White pine component. The jack pine and aspen are mostly in the southeast part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stocking, closer to the south part of the stand. A few areas of low stock nest in the south part of the stand. A few areas of low stock nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest in the south part of the stand which borders stand 19. The stick nest	Red Pine	38	Log/Pole/XLog	13	78	Blac	k Cherry	Trace	Variable		
Write Spruce 1 Log 13 Write Spruce 14 Log/Pole 10 Balsam Fir High Variable Sapling Sutheast part of the stand. A few areas of low stocking, closer to the swamp edge, are scattered throughout. Write Spruce 2 Log/Pole/XLog 12 78 Balsam Fir 2 Pole/Log 8 -<	Jack Pine	8	Log/Pole	10		Wł	nite Pine	Low	Variable	Sapling	
White Pine 42 Log/Pole/XLog 12 78 Balsam Fir 2 Pole 6 78 Balsam Fir 2 Pole/Log 8 78 Red Maple 5 Log/Pole 10 10 Trace of red oak, paper birch, and cedar. Average ba/acre from 7 plots = 141 square feet. Found a very large stick nest in the south part of the stand which borders stand 10. The stick nest in stiting in a 30*+ white pine which is painted red (red line tree for adjacent harvest). Possible eagle nest? This stand serves as a nice buffer for the adjacent swamp and should remain unmanaged. Canopy Species Maple 5 Sapling 3 Black Cherry Medium Variable Tall Shrub Bigtooth Aspen 95 Sapling/Pole 5.7 86 1-50 N/A Blasam Fir 2 Pole 7 8 Low Variable Sapling G131 - Hemlock, White Pine, Maple, Sawtimber Medium 5.7 86	White Spruce	1	Log			Whit	e Spruce	Trace		Sapling	
Balsam Fir2Pole6Balsam Fir2Pole/Log8Balsam Fir2Pole/Log8Red Maple5Log/Pole104130 - AspenSapling Well3.626ImmatureN/ACanopy SpeciesVerverSize ClassDBH Age3.626ImmatureN/ABalsam Fir5Sapling/Pole426Red MapleVariableTall Shrub6131 - Hemlock, White Pine, Maple, Sapting5.7861-50N/AClearcut in 1997 in the side within the influence zone of the Little Pigeon River and between upland and lowland.6131 - Hemlock, White Pine, Maple, Sawtimber Medium5.7861-50N/A-This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland.Canopy SpeciesVervSize ClassDBH AgeSize ClassN/ABalsam Fir2Pole7Red MapleKarg. HeightSizeBalsam Fir2Pole7Red MapleKarg. HeightSizeRed Oak2XLog/Log22Tag AlderMediumVariableSaplingRed Oak2XLog/Log20White PineLowVariableSaplingRed Oak2XLog/Log20Yag AlderMediumVariableSaplingRed Oak2XLog/Log20Yag AlderMediumVariableSaplingRed Oak2XLog/Log20 <td>Quaking Aspen</td> <td></td> <td>Log/Pole</td> <td></td> <td></td> <td>Ba</td> <td>lsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> <td></td>	Quaking Aspen		Log/Pole			Ba	lsam Fir	High	Variable	Sapling	
Balack Print 2 Pole 0 Black Spruce 2 Pole/Log 8	White Pine	42	Log/Pole/XLog	12	78						
Black Spruce 2 Pole/Log 8 A Red Maple 5 Log/Pole 10 0 4130 - Aspen Sapling Well 3.6 26 Immature N/A Pole/Log Black Spruce Sapling Well 3.6 26 Immature N/A Pine which is painted red (red line tree for adjacent harvest). Possible eagle nest? This stand serves as a nice buffer for the adjacent swamp and should remain unmanaged. 4130 - Aspen Sapling Well 3.6 26 Immature N/A Pine which is painted red (red line tree for adjacent harvest). Possible eagle nest? This stand serves as a nice buffer for the adjacent swamp and should remain unmanaged. 4130 - Aspen Sapling 3 3.6 26 Immature N/A Pine which is painted red (red line tree for adjacent harvest). Possible eagle nest? This stand serves as a nice buffer for the adjacent swamp and should remain unmanaged. 4130 - Aspen Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Distance Tall Shrub Size Class DBH Age Size Class Density Avg. Height Size N/A This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. <tht< td=""><td></td><td>2</td><td>Pole</td><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tht<>		2	Pole	6							
4130 - Aspen Sapling Well 3.6 26 Immature N/A Clearcut in 1997 in the sale Mud Lake Blocks (Georgia Pacific, #53-011- 96). Aspen regenerated well. Very heavy browse on red maple understory. Did not visit in 2022. Field visit in 2023 and update stand ata. 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Medium 5.7 86 1-50 N/A -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. Canopy Species Octor Size Blasam Fir DBH Age Red Maple Sub-Canopy Species Density Avg. Height N/A -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. Canopy Species DBH Age Red Maple Sub-Canopy Species Density Avg. Height Size Size Sapling Size Sapling -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. Quaking Aspen 22 Log/Pole 12 Balsam Fir <th< td=""><td>•</td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	•		•								
4130 - Aspen Sapling Well 3.6 26 Immature N/A Clearcut in 1997 in the sale Mud Lake Blocks (Georgia Pacific, #53-011- 96). Aspen regenerated well. Very heavy browse on red maple understory. Did not visit in 2022. Field visit in 2023 and update stand data. Canopy Species DBH Age Red Maple 3.6 26 Immature N/A Clearcut in 1997 in the sale Mud Lake Blocks (Georgia Pacific, #53-011- 96). Aspen regenerated well. Very heavy browse on red maple understory. Did not visit in 2022. Field visit in 2023 and update stand data. 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Medium 5.7 86 1-50 N/A -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. -Other species that were present but rare included hemlock and white spruce. Canopy Species OEH Age Red Maple Sub-Canopy Species Density Medium Variable Sapling Canopy Species Very Sub-Canopy Species Density Avg. Height Size - Size - Sub-Canopy Species Density	Red Maple	5	Log/Pole	10							
Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size understory. Did not visit in 2022. Field visit in 2023 and update stand data. Red Maple 5 Sapling 3 Black Cherry Medium Variable Tall Shrub Bigtooth Aspen 95 Sapling/Pole 4 26 Red Maple Medium < 5 feet Sapling 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Medium 5.7 86 1-50 N/A -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. Canopy Species % Cover Size Class DBH Age Red Maple Low Variable Sapling Balsam Fir 2 Pole 7 Red Maple Low Variable Sapling Quaking Aspen 22 Log/Pole 12 Balsam Fir Medium Variable Sapling Red Oak 2 XLog/Log 20 White Pine Low Variable Sapling Red Pine 9 XLog/Log 20 White Pine L	4130	- Aspen		Sapling	Well	3.6	26 li	mmature	N/A		
Red Maple5Sapling3Black CherryMediumVariableTall ShrubIndicatory. Did not visit in 2022. Their visit in 2020 and update standBigtooth Aspen95Sapling/Pole426Red MapleMedium< 5 feetSapling6131 - Hemlock, White Pine, Maple, Sawtimber Medium5.7861-50N/ACanopy SpeciesVorerSize ClassDBH AgeBalsam Fir2Pole7Red MapleLowVariableSaplingQuaking Aspen22Log/Pole12Balsam FirMediumVariableSaplingRed Oak2XLog/Log22Tag AlderMediumVariableTall ShrubRed Pine9XLog/Log20White PineLowVariableSapling	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Densitv	Ava. Heiaht	Size	
Bigtooth Aspen 95 Sapling/Pole 4 26 Red Maple Medium < 5 feet								-			
6131 - Hemlock, White Pine, Maple, Sawtimber Medium 5.7 86 1-50 N/A -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. Canopy Species % Cover Size Class DBH Age Red Maple Low Variable Sapling Balsam Fir 2 Pole 7 Red Maple Low Variable Sapling Quaking Aspen 22 Log/Pole 12 Balsam Fir Medium Variable Sapling Red Oak 2 XLog/Log 20 Tag Alder Medium Variable Sapling Red Pine 9 XLog/Log 20 White Pine Low Variable Sapling	Bigtooth Aspen	95			26			Medium	< 5 feet		
Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeOther species that were present but rare included hemlock and white spruce.Balsam Fir2Pole7Red MapleLowVariableSaplingQuaking Aspen22Log/Pole12Balsam FirMediumVariableSaplingRed Oak2XLog/Log22Tag AlderMediumVariableTall ShrubRed Pine9XLog/Log20White PineLowVariableSapling	6131 - Hemlock,	White Pine								1 0	serves as a nice vegetative buffer. Transition between upland and
Balsam Fir2Pole7Red MapleLowVariableSaplingQuaking Aspen22Log/Pole12Balsam FirMediumVariableSaplingRed Oak2XLog/Log22Tag AlderMediumVariableTall ShrubRed Pine9XLog/Log20White PineLowVariableSapling	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Quaking Aspen22Log/Pole12Balsam FirMediumVariableSaplingRed Oak2XLog/Log22Tag AlderMediumVariableTall ShrubRed Pine9XLog/Log20White PineLowVariableSapling		2	Pole					Low	Variable	Sapling	
Red Pine 9 XLog/Log 20 White Pine Low Variable Sapling	Quaking Aspen	22	Log/Pole	12		Ba	lsam Fir	Medium	Variable		
	Red Oak	2	XLog/Log	22		Та	g Alder	Medium	Variable	Tall Shrub	
Red Maple 26 Pole/Log 9	Red Pine	9	XLog/Log	20		Wh	nite Pine	Low	Variable	Sapling	
	Red Maple	26	Pole/Log	9							

Compartment: 31

NA DN

Year of Entry: 2025

Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres Stand Age B	A Range	Managed S	Site	General Comments
17	2113 - Fo	orage Crop	s l	Nonst	ocked	4.9 Ur	nspecified	Managed O	pening	The majority of this stand is a maintained food plot, however there is a
					Γ	Sub-Canopy Species	Density	Avg. Height	Size	small inclusion (<1 acre) of jack pine and aspen along the north edge of the stand. A strip of unmanaged U type is present along the perimeter of
						Jack Pine	Low	Variable	Sapling	the stand with some planted autumn olive, most less than 3 feet tall.
						Sweet Fern	Low	< 5 feet	Tall Shrub	
						Autumn Olive	Low	< 5 feet	Tall Shrub	
						Black Cherry	Low	Variable	Tall Shrub	
18	4199 - Other Mixed	d Upland E	Deciduous Pole	timbe	r Mediur	m 8.0 84	81-110	N/A		2022- Sale was re-bid again as Mud Lake Maple (#53-002-21) and sold
C	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Canopy Species	Density	Avg. Height	Size	to Precision, again. Currently under contract.
	White Pine	8	Pole	8		White Pine	Low	Variable	Sapling	2019 - Stand was a part of the sale Mud Lake Mix, #53-005-15-01,
	Red Maple	47	Pole/Log	9	84	Balsam Fir	Low	Variable	Sapling	purchased by Precision. No cutting ever took place and Precision
	Red Oak	10	XLog	22		Red Maple	Low	Variable	Sapling	dropped the sale. Lines will be refreshed and the sale will be re-bid at a later date.
Q	Quaking Aspen	35	Pole/Log	8		-				
										and red pine.
										-Portion of the north part of this stand lies within the influence zone for the Little Pigeon River. This area will likely have to be excluded from harvest.
19	4133 - Aspe	,			g Well		mmature	N/A		the Little Pigeon River. This area will likely have to be excluded from
	Canopy Species	% Cover	Size Class	DBł	g Well I Age	Sub-Canopy Species	Density	Avg. Height	Size	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also,
	Canopy Species Red Maple	% Cover	Size Class	DBH 3	I Age	Sub-Canopy Species Red Maple	Density Medium	Avg. Height < 5 feet	Size Seeding	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left
C	Canopy Species Red Maple White Pine	% Cover 10 25	Sapling/Pole	DBH 3 10		Sub-Canopy Species Red Maple Balsam Fir	Density Medium Medium	Avg. Height < 5 feet 5 - 10 feet	Size Seeding Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the
C	Canopy Species Red Maple White Pine Black Cherry	% Cover 10 25 2	Sapling/Pole Log/Pole/Sap Sapling	DBH 3 10 3	58	Sub-Canopy Species Red Maple Balsam Fir Black Cherry	Density Medium Medium Low	Avg. Height < 5 feet 5 - 10 feet Variable	Size Seeding Sapling Tall Shrub	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground
	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen	% Cover 10 25 2 50	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling 	DBH 3 10 3 3	I Age	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine	DensityMediumMediumLowLow	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet	Seeding Seeding Sapling Tall Shrub Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red
C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine	% Cover 10 25 2 50 4	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog 	DBH 3 10 3 10 3 10 3 10	58	Sub-Canopy Species Red Maple Balsam Fir Black Cherry	Density Medium Medium Low	Avg. Height < 5 feet 5 - 10 feet Variable	Size Seeding Sapling Tall Shrub	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground
(Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak	% Cover 10 25 2 50 4 1	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Log 	DBH 3 10 3 10 3 15 15	58	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine	DensityMediumMediumLowLow	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet	Seeding Seeding Sapling Tall Shrub Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red
C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine	% Cover 10 25 2 50 4	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog 	DBH 3 10 3 10 3 10 3 10	58	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine	DensityMediumMediumLowLow	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet	Seeding Seeding Sapling Tall Shrub Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red
(Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak	% Cover 10 25 2 50 4 1 8	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Log Pole/Sap/Log 	DBH 3 10 3 15 15 6	58	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple	DensityMediumMediumLowLow	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet	Size Seeding Sapling Tall Shrub Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half.
20	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir	% Cover 10 25 2 50 4 1 8 en, Mixed F	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Log Pole/Sap/Log 	DBH 3 10 3 15 15 6 Sapling DBH	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple	Density Medium Medium Low Low	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet	Size Seeding Sapling Tall Shrub Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05- 01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half.
20	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe	% Cover 10 25 2 50 4 1 8 en, Mixed F	Size Class Sapling/Pole Log/Pole/Sap Sapling Log/XLog Log/XLog Pole/Sap/Log Pine Sapling	DBH 3 10 3 15 15 15 6 Sapling	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In	Density Medium Low Low Low	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A	Size Seeding Sapling Tall Shrub Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05- 01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half.
20	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species	% Cover 10 25 2 50 4 1 8 en, Mixed F % Cover	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Log/XLog Pole/Sap/Log Pine Size Class 	DBH 3 10 3 15 15 6 Sapling DBH	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species	Density Medium Low Low Low	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size Seeding Sapling Tall Shrub Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05- 01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half.
20	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species Red Pine	% Cover 10 25 2 50 4 1 8 en, Mixed F % Cover 9	 Size Class Sapling/Pole Log/Pole/Sap Sapling Log/XLog Log/XLog Pole/Sap/Log Pine S Size Class Log/XLog 	DBH 3 10 3 10 3 15 15 6 Sapling DBH 15	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species Red Pine	Density Medium Medium Low Low Low Dow Dow	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Size Seeding Sapling Tall Shrub Sapling Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05- 01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half.
20 C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species Red Pine Red Oak	% Cover 10 25 2 50 4 1 8 en, Mixed F % Cover 9 2	 Size Class Sapling/Pole Log/Pole/Sap Sapling Log/XLog Log/XLog Pole/Sap/Log Pine Size Class Log/XLog XLog/Log 	DBH 3 10 3 10 3 15 15 6 Bapling DBH 15 20 4 4	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species Red Pine Balsam Fir	Density Medium Medium Low Low The state of the st	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet Variable	Size Seeding Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were lef sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half. This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Pretty good aspen regeneration throughout with the exception of the northern part of the stand which has more pine regeneration. Scattered residual of red pine, white pine, and red oak. Th east end of the stand has wetter ground. Trace of spruce.
20 C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species Red Pine Red Oak Jack Pine	% Cover 10 25 2 50 4 1 8 en, Mixed F % Cover 9 2 8	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Pole/Sap/Log Pone Size Class Log/XLog XLog/Log Sapling/Pole 	DBH 3 10 3 10 3 15 6 DBH DBH DBH 15 20 4 4 3	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species Red Pine Balsam Fir White Pine	Density Medium Medium Low Low Low Density Low Low Medium	Avg. Height < 5 feet 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable	Size Seeding Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half. This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Pretty good aspen regeneration throughout with the exception of the northern part of the stand which has more pine regeneration. Scattered residual of red pine, white pine, and red oak. Th east end of the stand has wetter ground. Trace of spruce.
20 C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species Red Pine Red Oak Jack Pine Black Cherry	% Cover 10 25 2 50 4 1 8 en, Mixed F % Cover 9 2 8 2 8 2	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Pole/Sap/Log Pole/Sap/Log Size Class Log/XLog XLog/Log Sapling/Pole Sapling/Pole Sapling 	DBH 3 10 3 10 3 15 15 6 Bapling DBH 15 20 4 4	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species Red Pine Balsam Fir White Pine Black Cherry	Density Medium Medium Low Low Low Density Low Low Low Medium Medium	Avg. Height < 5 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable Variable	Size Seeding Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half. This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Pretty good aspen regeneration throughout with the exception of the northern part of the stand which has more pine regeneration. Scattered residual of red pine, white pine, and red oak. The east end of the stand has wetter ground. Trace of spruce.
20 C	Canopy Species Red Maple White Pine Black Cherry Quaking Aspen Red Pine Red Oak Balsam Fir 4133 - Aspe Canopy Species Red Pine Red Oak Jack Pine Black Cherry Balsam Fir	% Cover 10 25 2 50 4 1 8 m, Mixed F % Cover 9 2 8 2 1 4 1 8 2 1 2 3 2 3 2 3 2 1 3	 Size Class Sapling/Pole Log/Pole/Sap Sapling Sapling Log/XLog Pole/Sap/Log Pine Size Class Log/XLog Sapling/Pole Sapling/Pole Sapling Sapling 	DBH 3 10 3 10 3 15 6 DBH DBH DBH 15 20 4 4 3	1 Age 58 15	Sub-Canopy Species Red Maple Balsam Fir Black Cherry White Pine Red Maple 23.7 25 In Sub-Canopy Species Red Pine Balsam Fir White Pine Black Cherry	Density Medium Medium Low Low Low Density Low Low Low Medium Medium	Avg. Height < 5 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet Variable Variable Variable	Size Seeding Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub	the Little Pigeon River. This area will likely have to be excluded from harvest. This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half. This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Pretty good aspen regeneration throughout with the exception of the northern part of the stand which has more pine regeneration. Scattered residual of red pine, white pine, and red oak. The east end of the stand has wetter ground. Trace of spruce.

Level 4 Cover Type

42290 - Natural Mixed Pine

48

7

6

18

3

8

1

7

2

Canopy Species

White Pine

Jack Pine

Red Pine

Red Maple

Black Spruce

Quaking Aspen

White Spruce

Balsam Fir

Red Oak

Canopy Species

Bigtooth Aspen

Balsam Fir

White Pine

Red Pine

Red Maple

Red Oak

% Cover Size Class

Log/Pole/XLog

Log/Pole

Loa/XLoa

Log/Pole

Pole

Log

Log/Pole

Pole/Sapling

XLog/Log

Size Class

Loa/Pole

Pole/Loa

Log

Log

Log/Pole

XLoa/Loa

Stand

21

23

Report 7 – Stands

81-110

Densitv

Low

Hiah

Trace

Medium

Medium

Managed Site

N/A

N/A

N/A

Size

Sapling

Sapling

Tall Shrub

Avg. Height

Variable

Variable

Variable

Size

Tall Shrub

Sapling

Tall Shrul

Sapling

Sapling

Avg. Height

>20 feet

Variable

5 - 10 feet

Variable

>20 feet

Acres Stand Age BA Range

58

Sub-Canopy Species

Black Cherry

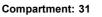
Balsam Fir

Michigan Holly

White Pine

Red Maple

4.4



Year of Entry: 2025

DNR MICHIGAN

Relatively diverse stand that is dominated by white pine. The white pine is found in a variety of size classes throughout the stand, including pockets heavier to poletimber as well as some very large legacy trees along the lake edge, one was measured a 44" DBH. Some areas of low stocking that have filled in with regeneration. Two small wetland potholes at the north end with holly growing in them. Recent beaver activity in the middle part of the stand, with several "trails" leading back to the lake. They seem to be mostly targeting small diameter (<5") red maple at this time. A few black cherry are merchantable. Trace of paper birch. Average ba/acre from 5 plots = 100 square feet. An old road travels north-south through the middle of the stand. No management as this stand serves as a buffer for Mud Lake.

General Comments

22 42290 - Natu	42290 - Natural Mixed Pine			Sawtimber Well		82	141-170	N/A	
Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Car	nopy Specie	es Density	Avg. Height	Size
Red Oak	2	XLog	20		Re	d Maple	Medium	Variable	Sapling
Balsam Fir	1	Pole/Log	8		Bal	sam Fir	Low	Variable	Sapling
Red Pine	42	Log/XLog/Pol	e 14	82	Blac	k Cherry	Low	Variable	Tall Shrub
Quaking Aspen	4	Log/Pole	12		Wh	ite Pine	Medium	Variable	Sapling
White Pine	45	Log/Pole/XLog	g 13	82	Re	d Maple	Medium	< 5 feet	Seeding
Jack Pine	2	Log	12				1		
Red Maple	4	Pole/Log	9						

1.7

11.9

84

35

Sub-Canopy Species

Red Maple

White Pine

Serviceberry (Juneberry)

81-110

Density

Low

Low

Low

51-80

Size Density

Sawtimber Well

11

11

16

12

6

12

11

6

20

Sawtimber Well

10

9

12

12

10

22

84

DBH Age

DBH Age

58

58

84

Mixed pine stand, mostly bordering Mud Lake, and is the former site of a lodge that used to be under private ownership. An old foundation near the lake with the remains of a chimney is still standing. Another open area in the stand is an old tennis court. Today it is a popular camping area. A clump of planted red pine is present in the middle of the stand but the remainder of the pine appears to be natural. The far east side of the stand and along the lakeshore has some of the fir and jack pine. Heavy deer browse on young red maple seedlings. Trace of white spruce (log) and paper birch (pole/log) as well as a handful of sapling and poletimber sized red oak. Average ba/acre from 6 plots = 143 square feet. Do not manage.

2022- Sale was re-bid as Mud Lake Maple (#53-002-21) and sold to Precision, again. Currently under contract.2019 - Stand was a part of the sale Mud Lake Mix, #53-005-15-01,

purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be re-bid at a later date.

-Heavy browse on RM understory. -Some nice RO saps that should be protected from harvesting damage.

This stand was clearcut in 1987 in the sale McJack Pine (#53-023-87, Georgia Pacific). Regeneration came back moderately well, although there are several areas of low stocking throughout. Aspen is mostly in the northeast part of the stand and appears unhealthy and stunted in many areas. A pocket of larger trees at the south end of the stand, there are also some large diameter red pine residual trees scattered throughout as well. Trace of balsam fir poletimber. Average ba/acre from 6 plots = 53 square feet.

24	42260 - Natural Pine, Mixed Deciduous	Poletimber Well
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4119 - Mixed Northern Hardwoods

% Cover

11

2

2

2

79

4

Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	29	Sapling/Pole	4		Black Cherry	Medium	Variable	Tall Shrub
Red Pine	6	Pole/Log/Sap	5		White Pine	Medium	Variable	Sapling
White Pine	10	Pole/Sap/Log	7		Red Pine	Trace	Variable	Sapling
Bigtooth Aspen	5	Pole	6					
Jack Pine	50	Pole/Sapling	6	35				

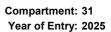


								-				Year of Entry: 2025
Stand	Level 4 C	Cover Type		Size D	Density	Acre	s Stand Age	e BARa	ange	Managed S	Site	General Comments
25	330 - Low-	-Density Tre	es	Nons	tocked	13.9	9	Unspe	ecified	No		Borderline forested, clumps of trees throughout. Non-forested areas have
						Sub-	Canopy Speci	ies D	ensity	Avg. Height	Size	a lot of non-merchantable black cherry. A nice representation of advanced oak regeneration in many places of the stand. The southern
							awthorn (spp.)		Trace	5 - 10 feet	Tall Shrub	1/3rd of the stand had trees felled during a MUCC volunteer event in
						Q	uaking Aspen		Low	>20 feet	Log	2015 in an attempt to open up the stand some more. Oak and shrubs
							White Pine		Low	Variable	Sapling	were supposed to be planted as well but I did not see any evidence of that.
							Balsam Fir		Trace	Variable	Sapling	
							Red Maple		Trace	>20 feet	Pole	
							Jack Pine		Trace	>20 feet	Log	
						Service	eberry (Junebe		Trace	Variable	Tall Shrub	
							White Pine		Trace	>20 feet	Log	
							Sweet Fern	N	/ledium	< 5 feet	Tall Shrub	,
							Red Maple	Ν	/ledium	Variable	Sapling	
							Balsam Fir		Trace	>20 feet	Pole	
							White Pine		Low	>20 feet	Pole	
							Red Maple		Low	>20 feet	Log	
						E	Black Cherry		High	Variable	Tall Shrub	
							Red Oak		Trace	>20 feet	Log	
							Jack Pine		Trace	>20 feet	Pole	
							Red Oak		Low	Variable	Sapling	
26	500	- Water		Nons	tocked	13.3	3	Unspe	ecified	No		Mud Lake
27	42110 - Pla	anted Red P	Pine	Sawtim	ıber W	ell 1.5	74	141-	-170	N/A		Decent red pine. Last thinned in 2005 by Biewer in the sale "Standby
	Canopy Species	% Cover	Size Class	s DE	H Age	Sub-	Canopy Speci	ies D	ensity	Avg. Height	Size	Pine" (#53-015-05-01). Average ba/acre from 2 plots = 165 square feet.
	Red Pine	96	Log/Pole	e 12	2 74		White Pine		Trace	Variable	Sapling	
	Red Maple	2	Pole	6		E	Black Cherry	N	/ledium	5 - 10 feet	Tall Shrub	
	White Pine	2	Pole	6			Balsam Fir		Trace	Variable	Sapling	
						Service	eberry (Junebe	erry)	Low	Variable	Tall Shrub	
28	629 - Mixed no	on-forested v	vetland	Nons	tocked	8.6		Unspe	ecified	No		-Wet stand. Standing dead cedar. Evidence of recent beaver activity.
						Sub-	Canopy Speci	ies D	ensity	Avg. Height	Size	-An old road borders the east side of this stand running north-south.
							Cattail spp.	N	/ledium		Non-Wood	
							Balsam Fir		Trace		Pole	
							Alder	N	/ledium		Tall Shrub	
						North	ern White Ced	lar	Trace		Pole	
29	629 - Mixed non-forested wetland Nonstocke			tockec	16.6	3	Unspe	ecified	No		Ring of mostly dead cedar around Mud Lake. Apparently portions of this stand were cut by Rick Ftizgerald as part of a cedar salvage in 1995 (McIntyre Salvage, #53-006-93). Sedge species dominate the vegetation of this wetland.	

DNR

Year of Entry: 2025

Stand	Level 4 Co	over Type	Si	ze De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
30	429 - Mixed U	Ipland Cor	nifers S	apling	l Well	5.2	25	Immature	N/A		This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	96, Georgia Pacific). Regeneration came back well to a mix of species. Aspen is more common in the east half of the stand. Trace of red oak
	Red Pine	1	Sapling	2		Re	ed Pine	Trace	5 - 10 feet	Sapling	residual. Some of the residual red pine are legacy tree size.
	Red Maple	1	Sapling	3		Ba	lsam Fir	Medium	Variable	Sapling	
	White Spruce	3	Sapling/Pole	4		Wł	nite Pine	Low	Variable	Sapling	
	Quaking Aspen	35	Sapling/Pole	3	25					·	-
	Jack Pine	27	Sapling/Pole	4							
	Balsam Fir	15	Sapling/Pole	3							
	Red Pine	5	XLog	22							
	White Pine	13	Sapling/Pole/Log	4							
31	2113 - Fo	rage Crop	s N	lonsto	ocked	3.1		Unspecified	Managed O	pening	Maintained food plot. There is a small clump of black cherry in the middle of the west half of the stand. In the middle of the east half there is a small clump of sapling sized jack and white pine.
32	4319 - Mixed	Upland Fo	orest Sa	wtimb	er Wel	l 10.9	98	81-110	N/A		This stand is currently under contract in the sale Mud Lake North (#53-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	003-21), bought by Precision.
	Red Maple	28	Pole/Log	9	_	Wł	nite Pine	Low	Variable	Sapling	A species diverse stand with multiple sizes of white pine throughout, with
	Balsam Fir	5	Log/Pole	10		Re	d Maple	Medium	Variable	Sapling	a few very large XL size trees. Other species that were present but rare
	Quaking Aspen	20	Log	12		Ba	lsam Fir	High	Variable	Sapling	include red oak, black spruce, and paper birch. Areas of seasonally wet ground along the south edge of the stand.
	Red Pine	5	Log/XLog	15				i			
No	orthern White Cedar	2	Pole	7							
	White Pine	31	Log/Pole/XLog	12	98						
	Jack Pine	9	Pole/Log	8							
33	6130 - Fir, <i>A</i>		-		er Poo		92	1-50	N/A		Mix of upland and lowland. Overstory is quite light with a dense understory of fir. There used to be some black ash in the stand but it has
	Canopy Species	% Cover	Size Class		Age		nopy Species		Avg. Height	Size	all been killed by EAB. Other species that were present but rare included
	White Pine	8	Log/Pole/XLog	14		Ta	ig Alder	Medium	Variable	Tall Shrub	hemlock and paper birch.
	Red Pine	3	XLog	18		Ba	lsam Fir	Full	Variable	Sapling	
	Red Maple	40	Log/Pole	12	92						
	Red Oak	3	Log	12							
	Quaking Aspen	3	Log	12							
	Balsam Fir	19	Pole/Sapling	5	50						
	White Spruce	16	Log/Pole	10							
No	orthern White Cedar	8	Log/Pole	12							



	d Level 4 Cover Type			Size Den	,,	Acres	Stand Age BA	0	Managed S		General Comments		
34	4319 - Mixed	l Upland Fo	orest P	oletimbe	r Poor	5.6	82	51-80	N/A		Poorly-stocked hodgepodge of a stand. Most species are poor quality.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	Best stocking and quality are in the northeast part of the stand. Jack pin tends to be more numerous along the edges of the food plot. Quaking		
	Bigtooth Aspen	1	Pole	8		Re	ed Oak	Trace	>20 feet	Sapling	aspen is mostly in a small clump at the far western end of the stand and		
	Red Pine	2	Log	13		Re	ed Pine	Low	5 - 10 feet	Sapling	is in decline. Scattered areas of U mixed in throughout. Previous OI note		
	Quaking Aspen	8	Pole	8		Serviceber	rry (Juneberry)	Trace	Variable	Tall Shrub	indicated red oak acorns were planted but I only observed two red oak saplings in stand so the planting was not successful. Average ba/acre		
	Red Oak	3	Log/XLog	17		Blac	k Cherry	Medium	Variable	Tall Shrub	from 6 plots = 57 square feet. No management at this time, let pine		
	White Pine	14	Log/Pole	11		Wh	ite Pine	Medium	Variable	Sapling	continue to fill in.		
	Jack Pine	26	Pole/Log	8		Jac	ck Pine	Medium	Variable	Sapling			
	Red Maple	46	Pole/Log	8	82						-		
35	6120 - Lov	wland Ceda	ar Pol	etimber I	Medium	า 222.7	148	81-110	N/A		Variable stocking throughout the stand with some areas of nice cedar.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	However, the majority of this stand is very wet, and cedar is showing signs of decline and mortality. 98DOQ imagery shows that most of this		
	Tamarack	2	Log	11	-		g Alder	Low	Variable	Tall Shrub	stand was healthy at one time. Beaver dams in the stream at the		
No	orthern White Cedar	77	Pole/Log	9	148	Bal	sam Fir	Full	Variable	Sapling	northwest part of the stand has likely altered hydrology in the stand and		
	Black Spruce	4	Pole/Sapling	5							is the reason for most of the decline. A few scattered upland islands within this stand, most less than 1 acre in size. Two old roads go throug		
	White Spruce	5	Log/Pole	11							this stand but they are overgrown in many areas. Did not walk through		
	Balsam Fir	12	Pole/Sapling	6							this stand in 2022. Make a return visit to update data in 2032.		
36	Canopy Species	•	eciduous Sav	wtimber I DBH			84 hopy Species	81-110 Density	N/A Avg. Height	Size	2022- Sale was re-bid as Mud Lake Maple (#53-002-21) and sold to Precision, again. Currently under contract.		
36		•											
36		•				Sub-Can					Precision, again. Currently under contract.		
36	Canopy Species	% Cover	Size Class	DBH		Sub-Can Rec	nopy Species	Density	Avg. Height	Size Sapling Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and		
36	Canopy Species White Pine	% Cover	Size Class Pole	DBH		Sub-Can Rec	hopy Species d Maple	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be r		
36	Canopy Species White Pine Red Pine	% Cover 2 2 2	Size Class Pole Log	DBH 8 12		Sub-Can Rec	hopy Species d Maple	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and		
36	Canopy Species White Pine Red Pine Bigtooth Aspen	% Cover 2 2 17	Size Class Pole Log Log/Pole	DBH 8 12 11		Sub-Can Rec	hopy Species d Maple	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be r bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this		
36	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine	% Cover 2 2 17 7	Size Class Pole Log Log/Pole Log/Pole	DBH 8 12 11 10		Sub-Can Rec	hopy Species d Maple	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be r bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This		
36	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine Balsam Fir	% Cover 2 2 17 7 6	Size Class Pole Log Log/Pole Log/Pole Pole	DBH 8 12 11 10 7		Sub-Can Rec	hopy Species d Maple	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention.		
	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine Balsam Fir Red Oak	% Cover 2 2 17 6 22 44	Size Class Pole Log Log/Pole Log/Pole Pole XLog/Log Log/Pole	DBH 8 12 11 10 7 20	Age	Sub-Can Rec	hopy Species d Maple sam Fir	Density Low	Avg. Height Variable	Sapling	Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be re bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention.		
	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine Balsam Fir Red Oak Red Maple 42110 - Pla	% Cover 2 17 7 6 22 44	Size Class Pole Log/Pole Log/Pole Pole XLog/Log Log/Pole Sine S	DBH 8 12 11 10 7 20 10	Age	Sub-Can Rec Bals	hopy Species d Maple sam Fir 74 1	Density Low Low	Avg. Height Variable Variable N/A	Sapling	 Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be rebid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention. -Oak trying to regenerate in a few areas but browse is knocking it back. 		
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	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine Balsam Fir Red Oak Red Maple 42110 - Pla Canopy Species Red Pine White Pine	% Cover 2 17 7 6 22 44 nted Red P % Cover 89 2 2	Size Class Pole Log Log/Pole Cog/Pole StLog/Pole Size Class Log/Pole	DBH 8 12 11 10 7 20 10	Age 84 r Well Age 74	Sub-Can Rec Bals 2.5 Sub-Can Blac Whi Re	74 1 Topy Species k Cherry ite Pine ed Oak	Density Low Low 41-170 Density Medium Low	Avg. Height Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Size Tall Shrub	 Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention. -Oak trying to regenerate in a few areas but browse is knocking it back. Decent red pine. Last thinned in 2005 by Biewer in the sale "Standby Pine" (#53-015-05-01). Heavy browse on red maple seedlings in the south finger. A few red oak saplings in the northeast corner. Handful of merchantable black cherry. Average ba/acre from 5 plots = 152 square feet. An old wire fence is still present in some trees along the north and east edges of the stand. 		
	Canopy Species White Pine Red Pine Bigtooth Aspen Jack Pine Balsam Fir Red Oak Red Maple 42110 - Pla Canopy Species Red Pine White Pine Red Oak	% Cover 2 17 7 6 22 44 nted Red P % Cover 89 2 3	Size Class Pole Log/Pole Log/Pole XLog/Log Log/Pole Sine S Size Class Log/Pole Pole/Log XLog/Log	DBH 8 12 11 10 7 20 10	Age 84 r Well Age 74	Sub-Can Rec Bals 2.5 Sub-Can Blac Whi Re Serviceber	74 Topy Species Sam Fir 74 Topy Species k Cherry ite Pine ed Oak rry (Juneberry)	Density Low Low Value Va	Avg. Height Variable Variable N/A Avg. Height Variable 10 - 20 feet Variable	Sapling Sapling Size Tall Shrub Sapling Sapling Tall Shrub	 Precision, again. Currently under contract. 2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be bid at a later date. -Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention. -Oak trying to regenerate in a few areas but browse is knocking it back. Decent red pine. Last thinned in 2005 by Biewer in the sale "Standby Pine" (#53-015-05-01). Heavy browse on red maple seedlings in the south finger. A few red oak saplings in the northeast corner. Handful of merchantable black cherry. Average ba/acre from 5 plots = 152 square feet. An old wire fence is still present in some trees along the north and east edges of the stand. 		
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Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
39		wland Maple	e Pole	etimber	Medium		58	51-80	N/A		Highly variable stand that is a mixed bag of everything. Some upland
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	islands are present but mostly this is a lowland stand with several wet drainages running through it. These drainages are comprised mostly of
	Paper Birch	2	Pole	6	-	Rec	l Maple	High	Variable	Sapling	dead black ash and sub-merchantable balsam fir and red maple. Non-
	Quaking Aspen	4	Log	12		Bals	sam Fir	High	Variable	Sapling	drainage lowland areas are dominated by red maple and fir. Clumps of
	Red Maple	65	Pole/Sapling	6	58			_			older cedar are scattered throughout and there are also a few log-size aspen and spruce present. Too wet for management.
	Balsam Fir	11	Pole/Sapling	6							
	Black Ash	2	Pole/Sapling	6							
No	rthern White Cedar	14	Log/Pole	10							
	White Spruce	2	Log	13							
40	6122 - Bl	ack Spruce	e Po	oletimb	er Well	18.9	104	81-110	N/A		Black spruce dominated stand of varying quality. The north "bubble" has
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	the best quality, with the spruce and tamarack showing better growth. Balsam understory and cedar overstory become more prevalent as you
	Black Spruce	55	Pole/Sapling	5	104	Black	Spruce	Low	Variable	Sapling	move to the south. Scattered blowdown throughout. Leatherleaf and
	Tamarack	17	Pole	7		Bals	sam Fir	Medium	Variable	Sapling	sphagnum understory. 2019 - The north "bubble" of the stand was a
	White Pine	6	Log	15		Та	g Alder	Low	Variable	Tall Shrub	part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. This stand v
No	rthern White Cedar	22	Pole	7						1	not be put back up for sale. The ground is very wet and it was a questionable decision to prescribe it in the first place.
41	4130 Canopy Species	- Aspen % Cover		oletimb DBH	er Well Age	2.2 Sub-Can	35 opy Species	81-110 Density	N/A Avg. Height	Size	This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well except for a few
	Quaking Aspen	5	Pole/Sapling	6			k Cherry	Medium	Variable	Tall Shrub	poorly-stocked areas at the north end. A few oak regenerated as well. This stand will be ready for a harvest next entry. Harvest with adjacent
	Red Oak	2	Log	12		Rec	I Maple	Medium	Variable	Sapling	stands 46, 50, and 52 to the south.
	Jack Pine	1	Pole	6		Re	d Oak	Low	>20 feet	Sapling	
	White Pine	3	Pole	7		Whi	te Pine	Low	Variable	Sapling	
	Bigtooth Aspen	85	Pole	7	35						1
	Red Maple	4	Pole/Sapling	5							
42	42200 - Natu	ıral White F	Pine Sav	vtimber	Medium	12.3	66	51-80	N/A		Everything but red and white pine was cut out of this stand in 2008 in th
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	sale The Witch's Broom (#53-003-05-01). Varying sizes of residual pine in the stand, with some very large pine toward the north end of the stan
	Red Maple	1	Pole	7		White	e Spruce	Low	Variable	Sapling	with a few 40"+ white pine. BAs are also highly variable due to the
	Balsam Fir	8	Pole	6		Black	k Cherry	Trace	Variable	Tall Shrub	
	White Pine	67	Log/Pole/XLog	12	66	Rec	l Maple	Medium	5 - 10 feet	Sapling	the stand, with more aspen regeneration in these areas. Heavy browse on the red maple seedlings. Some lowland along the west and north
	Red Pine	24	Log/XLog/Pole	15		Whi	te Pine	Trace	Variable	Sapling	edges of the stand. Average ba/acre from 6 pots = 72 square feet. No
						Re	d Pine	Trace	Variable	Sapling	management until the second age class matures.
						Bigtoc	oth Aspen	Low	>20 feet	Sapling	
						Quaki	ng Aspen	Medium	>20 feet	Sapling	
						Dale		Medium	Variable	0	1
						Dais	sam Fir	wealum	variable	Sapling	

Compartment: 31

Year of Entry: 2025 Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site **General Comments** 42340 - Upland Spruce/Fir Poletimber Well 2.6 34 81-110 N/A Old tordon opening filling in with spruce and fir. A few mature pine and 43 maple scattered throughout. Cedar and tamarack along the edges. % Cover Size Class **DBH** Age **Canopy Species** Sub-Canopy Species Densitv Avg. Height Size Average ba/acre from 5 plots = 98 square feet. An old grade passes Balsam Fir 5 34 Sapling 49 Pole/Sapling Black Spruce Low Variable north-south through the stand. 7 Black Spruce 37 Pole/Sapling Red Maple I ow >20 feet Sapling 2 Red Pine Loa/XLoa 15 Red Pine Trace Variable Sapling Northern White Cedar 2 Log/Pole 11 Balsam Fir High >20 feet Sapling Tamarack 3 Pole 8 Red Maple 5 Log/Pole 12 2 6 Paper Birch Pole/Sapling 3105 - Mixed Upland Herbaceous Nonstocked 1.5 Unspecified No Appears to be an old landing that is now filling in with trees around the 44 edges. Small amount of barren ground. Sub-Canopy Species Ava. Heiaht Size Densitv Red Pine Trace >20 feet Log White Pine Trace >20 feet Log Jack Pine Medium Variable Sapling Red Pine Trace Variable Sapling Sweet Fern Medium < 5 feet Tall Shrub Balsam Fir Trace < 5 feet Seeding Balsam Poplar Trace Variable Sapling Medium White Pine Variable Sapling Quaking Aspen Trace Variable Sapling 4130 - Aspen Poletimber Well 3.7 36 111-140 N/A Clearcut in 1987 in the sale Pine-between-the-Aspen (#53-024-87. Riker 45 and Sons Products). Aspen regenerated well. Trace of Xlog red oak in **Canopy Species** % Cover Size Class DBH Age **Sub-Canopy Species** Density Avg. Height Size the overstory. Average ba/acre from 3 plots = 127 square feet. Rolling 7 36 66 Sapling **Bigtooth Aspen** Pole/Sapling Red Maple Medium >20 feet terrain. Should be ready for a final harvest in 10 years. Manage together with adjacent stand 49 to the south. Red Pine 2 16 Balsam Fir Medium Variable Sapling Log/XLog Balsam Fir 5 Pole/Sapling 5 Black Cherry Low Variable Tall Shrub White Pine 6 Pole 6 White Pine Trace Variable Sapling 6 Red Maple 6 Pole/Sapling 7 15 Quaking Aspen Pole/Sapling 42220 - Natural Jack Pine Poletimber Well 3.6 35 81-110 N/A 46 This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well to a mix of **Canopy Species** % Cover Size Class DBH Age **Sub-Canopy Species** Density Avg. Height Size species. A strip of larger diameter trees is present along the pipeline. Jack Pine 35 Red Oak 65 Pole 6 Trace >20 feet Sapling Wet ground in the northeast part of the stand, on both sides of Pickerel Lake Road. Trace of tamarack. Average ba/acre from 4 plots = 83 square 5 Red Oak 1 Pole/Sapling Black Cherry Medium Variable Tall Shrub feet. Should be ready for a harvest in 10 years. Exclude all wet areas. Sapling 4 Red Maple 4 Sapling/Pole Red Maple Low Variable Cut together with stands 41, 50, and 52. 2 Red Pine Pole 8 Balsam Fir Low Variable Sapling 8 White Pine 15 Pole/Log Black Spruce Trace Variable Sapling 8 6 White Pine **Bigtooth Aspen** Pole Low Variable Sapling Black Spruce 1 Pole/Log 8 Paper Birch Trace >20 feet Sapling 4 5 10 - 20 feet Tall Shrub Quaking Aspen Pole/Sapling Tag Alder Trace

48

49

50

Balsam Fir

Bigtooth Aspen

White Pine

Red Maple

Red Pine

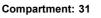
Canopy Species

Red Oak

White Pine

Red Pine

Report 7 – Stands



Year of Entry: 2025

DRR DR C)

This stand was clearcut in 1987 in the sale Pine-between-the-Aspen (Riker and Sons Forest Products, #53-024-87). Regeneration came back well for the most part, although there are several small non-forested areas in the south half lacking regeneration. The guaking aspen appears stunted, unhealthy, and in decline in some localized areas of the stand. These areas of decline seem to be more frequent in the southeast part of the stand. Bigtooth aspen is mostly along the southern end of the stand. Flat terrain. Mostly all upland except for some transitional wet areas along the western edge adjacent to the lowland cedar stand. Trace of logsize red pine, white pine, and red maple in the overstory. There is a small clump of mature pine west of the interior G type, resembling a retention pocket. Heavy browse on the red maple seedlings that are present. Average ba/acre from 12 plots = 91 square feet. It's likely this stand won't be ready for another 20 years due to the poor growth that guaking aspen is showing in parts of the stand.

General Comments

Mix of non-forested openings and clumps of trees. The west part of the stand has a lot of cherry and is more like a U type. The most densely stocked areas are in the middle and northern parts of the stand. A small clump of BAM is at the southwest corner. An old grade runs north/northwest, just west of the open road. Average ba/acre from 7 plots = 49 square feet.

	Everything except pine was cut out of this stand in 1987 in the sale Pine- between-the-Aspen (Riker and Sons Forest Products, #53-024-87). High
Size	quality, large diameter red pine. It appears planted although no planting
Sapling	records exist as this area used to be under private ownership many years
Sapling	ago. BAs tend to be much higher in the west half of the stand. The east
Sapling	half adjacent to the road has some areas dominated by younger aspen with a lighter overstory of red pine. Average ba/acre from 8 plots = 109
Sapling	square feet. Manage this stand next entry with stand 45 (A6) to the north.
Tall Shrub	Prescribe a seed-tree or shelterwood harvest.

This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well to nearly pure aspen. A trace of red oak residual at the south end. Average ba/acre from 5 plots = 154 square feet. Should be ready for a harvest in 10 years. Cut together with stands 41, 46, and 52.

Jack Pine	2	Pole
Bigtooth Aspen	94	Pole/Sapling

9

10

2

5

71

% Cover

1

2

1

4130 - Aspen

Pole

Pole

Log/XLog

Pole

Log/XLog/Pole

Size Class

XLog/Log

Pole

Pole

6

6

14

5

15 91

19

7

8

6

Poletimber Well

DBH Age

ounopy opecies	/0 0000	0120 01033		- Age	oup-ouriopy opecies	Density	Avg. neight	0120
White Pine	4	Pole/Log	8		Red Oak	Trace	>20 feet	Sapling
Black Cherry	6	Pole	7		Jack Pine	Low	10 - 20 feet	Sapling
Red Maple	13	Log/Pole	12		Black Cherry	Low	Variable	Tall Shrub
White Spruce	2	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Red Pine	13	Log/Pole/XLog	12		Red Pine	Trace	Variable	Sapling
Red Oak	2	Pole/Log	8		White Pine	Trace	Variable	Sapling
Balsam Fir	33	Pole/Sap/Log	7	36				
Jack Pine	22	Pole/Sapling	6					
Balsam Poplar	5	Pole/Sapling	6					
42110 - Pla	nted Red I	[⊃] ine Sa	wtimb	er We	II 9.3 91	81-110	N/A	
Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	3	Pole	5		Quaking Aspen	Low	>20 feet	Sapling

Balsam Fir

Bigtooth Aspen

Red Maple

Black Cherry

White Pine

Sub-Canopy Species

Black Cherry

White Pine

Jack Pine

Red Pine

35

6.6

Medium

Medium

Medium

Trace

Trace

Density

Low

Low

Trace

Trace

Trace

Low

141-170

Variable

>20 feet

>20 feet

Variable

Variable

Avg. Height

Variable

Variable

Variable

Variable

Variable

Variable

N/A

Sapling

Size

Tall Shrul

Sapling

Sapling

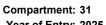
Sapling

Sapling

Sapling

429 - Mixed L	Jpland Co	nifers	Poletim	ber Pool	5.3	36	1-50	N/A	
Canopy Species	% Cove	Size Class	DB	H Age	Sub-Can	opy Species	Density	Avg. Height	Size
White Pine	4	Pole/Log	8		Re	d Oak	Trace	>20 feet	Sapling
Black Cherry	6	Pole	7		Jac	k Pine	Low	10 - 20 feet	Sapling
Red Maple	13	Log/Pole	12		Blac	k Cherry	Low	Variable	Tall Shru
White Spruce	2	Log/Pole	11		Bals	sam Fir	Medium	Variable	Sapling
Red Pine	13	Log/Pole/XLo	og 12		Re	d Pine	Trace	Variable	Sapling
Red Oak	2	Pole/Log	8		Whi	te Pine	Trace	Variable	Sapling
Balsam Fir	33	Pole/Sap/Lo	g 7	36					
Jack Pine	22	Pole/Sapling	g 6						
Balsam Poplar	5	Pole/Sapling	g 6						

Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4130 - Aspen Poletimber Well 42.1 36 81-110 N/A 47 **DBH Age Canopy Species** % Cover Size Class Sub-Canopy Species Densitv Avg. Height Size White Pine 2 5 Balsam Fir Medium Variable Sapling Pole/Sapling 5 Balsam Fir 14 Pole/Sapling Red Pine Trace Variable Sapling 5 Sapling Black Spruce 1 Pole/Sapling White Pine Low Variable Red Maple 3 Sapling/Pole 4 Black Cherry Low Variable Tall Shrub 5 36 Quaking Aspen 60 Red Maple Medium Variable Sapling Pole/Sapling 5 Red Pine 2 Pole/Sapling **Bigtooth Aspen** 18 6 Pole/Sapling



tand	d Level 4 Co	over Type	Si	ize De	nsity	Acres Stand A	ge BA Range	Managed S	Site	General Comments
51	4134 - Aspe	en, Spruce/	/Fir Po	letimb	er Well	51.9 47	111-140	N/A		Moderate quality aspen stand with a heavy component of fir. The quaking
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	Sub-Canopy Species Density Avg. Height Size aspen decline, closer to the G ty	aspen component is still quite small in areas. A few areas of quaking aspen decline, closer to the G type. Trace of red pine (log/pole/Xlog),		
	Red Pine	1	XLog/Log	18		Black Cherry	Trace	Variable	Tall Shrub	sugar maple (log), black cherry (pole), jack pine (pole), and black cherry
	Red Maple	11	Pole	6		Balsam Fir	High	Variable	Sapling	(pole) in the overstory. Average ba/acre from 18 plots = 115 square feet.
	Red Oak	2	Pole/Log/XLog	9		Red Maple	Low	>20 feet	Sapling	Stand slopes down gently to the north or west depending on where you'r at in the stand. No wet areas in the stand.
	Quaking Aspen	40	Pole	7	47	White Pine	Trace	Variable	Sapling	
	Balsam Fir	22	Pole/Sapling	5						
	White Pine	4	Pole/Log	8						
	Bigtooth Aspen	19	Pole/Log	8						
	White Spruce	1	R.I.	-						
2	42260 - Natural Pir Canopy Species	ne, Mixed [Pole Deciduous Po Size Class		er Well	5.7 35 Sub-Canopy Spe	51-80 ecies Density	N/A Avg. Height	Size	This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor
52		•			er Well	5.7 35	51-80	N/A		
52	42260 - Natural Pir Canopy Species	ne, Mixed [% Cover	Deciduous Po Size Class	letimb DBH		Sub-Canopy Spe	ecies Density	Avg. Height	Size	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor
52	42260 - Natural Pir Canopy Species White Pine	ne, Mixed [% Cover 33	Deciduous Po Size Class Log/Pole	letimb DBH	Age	Sub-Canopy Spe Black Cherry	ecies Density High	Avg. Height Variable	Size Tall Shrub	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places.
52	42260 - Natural Pin Canopy Species White Pine Jack Pine	ne, Mixed I % Cover 33 29	Deciduous Po Size Class Log/Pole Pole/Sapling	letimb DBH		Sub-Canopy Spe Black Cherry White Pine	ecies Density High Low	Avg. Height Variable Variable	Size Tall Shrub Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are
52	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak	ne, Mixed I % Cover 33 29 1	Deciduous Po Size Class Log/Pole Pole/Sapling XLog	letimb DBH 11 6 19	35	Sub-Canopy Spe Black Cherry White Pine Red Maple	Density High Low Low	Avg. Height Variable Variable Variable	Size Tall Shrub Sapling Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet.
52	42260 - Natural Pin Canopy Species White Pine Jack Pine	ne, Mixed I % Cover 33 29	Deciduous Po Size Class Log/Pole Pole/Sapling	letimb DBH	Age	Sub-Canopy Spe Black Cherry White Pine	ecies Density High Low	Avg. Height Variable Variable	Size Tall Shrub Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine
52	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple	Density High Low Low	Avg. Height Variable Variable Variable	Size Tall Shrub Sapling Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet. Will likely be ready for a harvest in 10 years, cut together with stands 41
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak	Density High Low Low Trace	Avg. Height Variable Variable >20 feet	Size Tall Shrub Sapling Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet. Will likely be ready for a harvest in 10 years, cut together with stands 41 46, and 50.
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak	Density High Low Low Trace	Avg. Height Variable Variable Variable >20 feet No	Size Tall Shrub Sapling Sapling Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet Will likely be ready for a harvest in 10 years, cut together with stands 41 46, and 50.
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak 1.3 Sub-Canopy Spe	Cies Density High Low Low Trace Unspecified Cies Density	Avg. Height Variable Variable >20 feet No Avg. Height	Size Tall Shrub Sapling Sapling Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet. Will likely be ready for a harvest in 10 years, cut together with stands 41 46, and 50.
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak 1.3 Sub-Canopy Spe Balsam Fir	Cies Density High Low Low Trace Unspecified Cies Density Trace	Avg. Height Variable Variable >20 feet No Avg. Height Variable	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling Size Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet Will likely be ready for a harvest in 10 years, cut together with stands 41 46, and 50.
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak 1.3 Sub-Canopy Spe Balsam Fir White Pine	ecies Density High Low Low Trace Unspecified ecies Density Trace Low Low	Avg. Height Variable Variable >20 feet No Avg. Height Variable >20 feet	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling Size Sapling Pole	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet. Will likely be ready for a harvest in 10 years, cut together with stands 41 46, and 50.
	42260 - Natural Pin Canopy Species White Pine Jack Pine Red Oak Quaking Aspen Balsam Fir	ne, Mixed I % Cover 33 29 1 35 2	Deciduous Po Size Class Log/Pole Pole/Sapling XLog Pole/Sapling Pole	letimb DBH 11 6 19 5 7	35 35	Sub-Canopy Spe Black Cherry White Pine Red Maple Red Oak 1.3 Sub-Canopy Spe Balsam Fir White Pine White Pine	ecies Density High Low Low Trace Unspecified ecies Density Trace Low Low	Avg. Height Variable Variable >20 feet No Avg. Height Variable >20 feet Variable	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling Size Sapling Pole Sapling	Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet Will likely be ready for a harvest in 10 years, cut together with stands 47 46, and 50.

N/A

54 4191 - Mixed Upland Deciduous with Poletimber Well 6.9 53 111-140 Conifer

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	24	Pole	7		White Pine	Trace	Variable	Sapling
Red Maple	25	Pole	6	53	Balsam Fir	Medium	Variable	Sapling
Red Oak	18	XLog/Log	20	107	Beech	Trace	Variable	Sapling
Balsam Fir	20	Pole/Sapling	6		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	6	Pole	5				-	
Paper Birch	1	Pole	6					
Red Pine	2	Log/XLog	16					
	1							

Two-aged, mixed species stand. Aspen diameters vary, there are some areas where diameters are closer to log-size. Some areas of lower stocking along the north edge that are filling in with red maple. Most of the large diameter pine is in a thin stirp bordering the pipeline on the west edge. The red oak component is scattered throughout and tends to occur in clumps. Trace of log-size jack pine on the west edge. Average ba/acre from 6 plots = 122 square feet. High deer and elk use throughout the stand.

-Heavy deer use throughout, with significant browse on RM understory. -North edge becomes a little wetter with scattered cedar among RM poles.

-Other species that were present but rare included cedar, red pine, jack pine, white spruce, and paper birch.



and	Level 4 Co	over Type	Si	ize De	nsity	Acres St	tand Age B	A Range	Managed S	ite	General Comments		
55	4319 - Mixed	Upland Fo	rest Po	letimb	er Well	10.1	36	51-80	N/A		This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chip		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	Company, #53-033-85). Regeneration came back well in most of the stand, except for some open areas at the east end of the stand.		
	Red Oak	8	Log/XLog	16	88	White	e Pine	Low	5 - 10 feet	Sapling	Somewhat of a strange mix with jack pine and red maple being the most dominant species. All oak was left as residual, although there		
	Balsam Fir	8	Pole/Sapling	6		Bee	ech	Trace	Variable	Sapling			
	Red Pine	2	Pole	8		Balsa	am Fir	Low	Variable	Sapling	trace amount of younger red oak that regenerated following the harvest Trace of paper birch poletimber. This stand needs a lot more time to		
	White Pine	10	Pole/Sapling	5							grow before considering a harvest, likely 20 years.		
C	uaking Aspen	4	Pole/Sapling	5									
	Jack Pine	38	Pole/Sapling	5	36								
	Red Maple	22	Sapling	3									
E	Bigtooth Aspen	8	Pole/Sapling	5									
56	4130	- Aspen	Sa	pling l	Medium	14.4	5	Immature	N/A		This stand was cut in the summer of 2017 as part of Rangeline Aspen,		
	Canopy Species	% Cover	Size Class	DBH	Age						#53-013-14-01, bought by Precision, cut by a roundwood crew. All oak and birch were left (majority of birch was already dead). A few scattered		
	White Pine	2	Log	12							sugar maple, white pine, and beech were left. Quite a bit of hardwoods		
	Red Oak	10	Log/XLog/Pole	15							were cut out of this stand, aspen was not the dominant species rather r		
	White Pine	2	Sapling	1							maple was. A large percentage of oak saplings and poletimber were		
		4	Sapling	1							present, particularly in the southern finger of the stand near the road. Some damage did occur but the producers did a pretty good job of		
	Balsam Fir	4	Sapiing								protecting the majority of it during harvest operations. Aspen has		
(Balsam Fir Quaking Aspen	15	Sapling	1							protecting the majority of it during harvest operations. Aspen has		
			. 0	1	5								

57	4139 - Aspen,	Mixed De	ciduous Po	Poletimber Well		10.0	10.0 53 8		N/A	N/A	
	Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	
	Beech	3	Pole/Log/XLog	8		Be	ech	Medium	5 - 10 feet	Sapling	
	Red Oak	3	Log/XLog/Pole	16		Red	Oak	Trace	>20 feet	Sapling	
	Balsam Fir	1	Pole	6		White	e Pine	Low	Variable	Sapling	
	Red Maple	36	Pole/Log	8		Red I	Maple	Low	>20 feet	Sapling	
	Sugar Maple	6	Pole/Log	8	-			·			
	Red Pine	2	Log	12							
	Bigtooth Aspen	39	Pole/Log	8	53						
	White Pine	4	Pole/Log	8							
	Quaking Aspen	6	Pole/Log	8							

Moderate quality aspen stand with a large component of red maple. Records indicate this stand was clearcut in 1969-70 but it must not have been a "clean" cut as there are scattered, older aspen and maple mixed in throughout. Several of the older aspen have a lot of rot and are good wildlife trees. Some areas of the stand are more of a hardwood mix with little to no aspen at all. There is a small amount of younger oak in the sapling/poletimber size classes scattered throughout the stand. There is one hemlock in the northern part of the stand surrounded by some maple and a few large diameter beech. Most beech appear to have BBD. Average ba/acre from 8 plots = 105 square feet. Trace of paper birch. Mostly flat terrain.

3 years and possibly prescribe interplanting (white pine, spruce?) if the regen falls below stocking guidelines. Hopefully some pine will seed in

over the years.

4123 - Red Oak

4

2

86

8

10

1

15

15

32

25

2

% Cover Size Class

% Cover Size Class

Pole

Loa/Pole

Loa/XLoa/Pole

Pole

Pole/Sap/Log

Sapling

Log/XLog/Pole

Sapling

Sapling

Sapling

Log/Pole

Canopy Species

Jack Pine

Red Pine

Red Oak

White Pine

Canopy Species

White Pine

Beech

Red Oak

Red Maple

Quaking Aspen

Biatooth Aspen

Red Pine

59

Report 7 – Stands

Compartment: 31

Year of Entry: 2025

OEPARTME	DNR MICHIGAN

Stand	Level 4 Co	Si	Size Density			Stand Age	BA Range	Managed Site		
58	4131 - Aspen, Oak		Poletimber Well		5.1	35	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size
	Red Oak	31	XLog/Log/Pole	18	100	W	hite Pine	Low	Variable	Sapling
	Balsam Fir	1	Pole	6		Ba	alsam Fir	Trace	Variable	Sapling
	Red Maple 12 Pole/Sapling 6		R	led Oak	Trace	>20 feet	Sapling			
	White Pine	6	Pole/Log/XLog	8			Beech	Low	Variable	Sapling
	Red Pine	2	Log/XLog	14		Re	ed Maple	High	>20 feet	Sapling
	Jack Pine	2	Log	13				i		
E	Bigtooth Aspen	38	Pole/Sapling	7	35					
(Quaking Aspen	8	Pole/Sapling	6						

11.0

87.8

100

Sub-Canopy Species

Black Cherry

Red Maple

White Pine

Red Oak

Jack Pine

Beech

Red Pine

Bigtooth Aspen

4

Sawtimber Poor

6

12

6

DBH Age

15 100

This stand was cut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Everything was cut except for oak, red pine, and white pine (there also a handful of large diameter jack pine that were left). Regeneration came back primarily to aspen and red maple. A difficult stand to characterize because large areas of the stand are dominated by the residual oak and the aspen is not uniform throughout. A small amount of oak did regenerate after the last harvest. A lot of the oak are large diameter (20"+) and healthy, and better guality than the O7 stand to the west. Most of the pine is at the north and south ends. Trace of paper birch. Average ba/acre from 5 plots = 126 square feet. The stand sits on a gradual east/northeast facing slope. Potentially manage this stand in 10 vears. Maintain large diameter oak and pine.

General Comments

Low to moderate quality oak, but some large diameter trees. This stand had everything except oak, red pine, and white pine cut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration Tall Shrub has not come back well, with many areas of the understory barren and park-like. High deer and elk use in the stand which is likely impacting regeneration. Average ba/acre from 7 plots = 43 square feet. This stand Sapling sits on somewhat of an elevate knob in relation to the stands to the north, east, and south. No management due to the unlikelihood of successful oak regeneration. Hope that pine continues to fill in. Sapling

4139 - Aspen, Mixed Deciduous 60

Sapling Well DBH Age

98

4

5

1

15

1

1

1

14

Immature

1-50

Densitv

Trace

Medium

Low

Trace

Low

Low

Trace

Trace

N/A

Size

Sapling

Sapling

Seeding

Sapling

Sapling

Avg. Height

Variable

Variable

Variable

>20 feet

>20 feet

< 5 feet

Variable

>20 feet

N/A

This stand was clearcut in the fall of 2017 in the sale Sightline Aspen. #53-006-15-01, bought by Precision. Roundwood job but they came back and chipped the tops in the spring of 2018. This stand was formerly 4 separate stands which all had clearcut prescriptions but the oak was cut out of some stands (to the north) while not in others. Regeneration has come back pretty well although browse impacts are noticeable. Browse intensity varies depending on where you are at in the stand, it seems to be highest in the northeast and southeast corners of the stand, as well as the western "finger" that juts down to the southwest. In these areas both the red maple and aspen are being hammered and may convert to nonforested stands. In the remainder of the stand, the aspen and red maple are being browsed, but not as severely. Unless the elk move back in here, I expect the regeneration in this stand will continue to be wellstocked with the exception of the previously mentioned areas. I did not see any red oak stump sprouts that will survive, in fact most already appear dead from browse. A good amount of red oak saps/poles were protected from damage, most are close to either side of the pipeline. A trace amount of residual paper birch were left in the southeast part of the stand, some have died but a good amount are still alive.

4319 - Mixed Upland Forest

14

36

7

3

1

2

6

25

4

2

Canopy Species

Bigtooth Aspen

White Pine

Red Pine

Sugar Maple

Balsam Fir

Beech

Red Oak

Red Maple

Quaking Aspen

Paper Birch

% Cover Size Class

Pole/Log/Sap

Log/Pole/XLog

Log/Pole/XLog

Pole/Log

Pole

Pole

Log/XLog/Pole

Pole/Loa

Pole/Log/Sap

Pole/Log

62

Report 7 – Stands

111-140

Density

Low

Medium

Low

Medium

Trace

111-140

N/A

N/A

Avg. Height

>20 feet

10 - 20 feet

Variable

>20 feet

>20 feet

Size

Sapling

Sapling

Sapling

Sapling

Sapling

Compartment: 31

Year of Entry: 2025

Stand	Level 4 C	over Type		Size Density		Acres	Stand Age	BA Range	Managed Site	
61	4199 - Other Mixed Upland Deciduous			Poletimber Well		13.2	63	81-110	N/A	
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size
	Beech	6	Pole/Log	8			Beech	Medium	5 - 10 feet	Sapling
E	Bigtooth Aspen	10	Pole/Log	8		R	led Oak	Trace	>20 feet	Sapling
	Red Oak	20	Log/XLog/Pole	e 17	92	W	hite Pine	Low	Variable	Sapling
	Red Maple	40	Pole/Log	8	63	Re	ed Maple	Low	>20 feet	Sapling
	Paper Birch	1	Pole/Log	8		Balsam Fir		Trace	Variable	Sapling
C	Quaking Aspen	9	Pole/Log	8						
	White Pine	2	Pole/Log	8						
	Sugar Maple	12	Pole/Log	8						

Poletimber Well

7

10 62

14

8

6

7

15

8

7

9

95

62

DBH Age

Mixed species stand of varying quality. Red oak displays the best quality and growth. Records indicate this stand may have had a partial harvest in 1969-70, likely just removing the aspen and some of the maple. The aspen can be found mostly at the north and south ends. Oak is most common in the central part of the stand where there is a clump of large diameter, high quality trees. Most beech has BBD and there is a trace amount of XL-sized beech. A second age class of younger oak in the sapling/poletimber size classes is present and can be found mostly along the east side of the stand. Trace of red pine, balsam fir, and white spruce in the overstory. Average ba/acre from 8 plots = 99 square feet. This stand would be suitable for even-aged management if deer and elk browse weren't so high in this area. Hold for now and let the stand mature for several entries before making a management decision, hopefully browse pressure will decrease one day.

General Comments

Diverse stand with multiple size and age classes present. Highly variable in composition with scattered pockets of W9 throughout. It looks like portions of this stand had a partial harvest in 1969-70, which likely just removed some of the aspen and red maple. The aspen that regenerated from that harvest tends to occur in small clumps along the edges and is not uniform throughout. Mature oak is most common at the far west end of the stand. There is a second age class of younger oak throughout the stand, although it is not common. The fir component is mostly at the far northeast end of the stand. Some scattered legacy size white pine throughout, as well as a couple red pine that are getting close to legacy size. Average ba/acre from 21 plots = 112 square feet. Terrain is mostly flat to gently rolling. Let the younger age classes continue to develop and then thin when the stand is mature, with a MO of mixed pine/hardwoods.

42200 - Natu	ural White	Pine Sa	Sawtimber Well		1.8 125	171-200	N/A	
Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Specie	s Density	Avg. Height	Size
Red Pine	16	Log/Pole/XLog	12		Beech	Low	Variable	Sapling
White Pine	60	Log/XLog/Pole	15	125	White Pine	Low	Variable	Sapling
Bigtooth Aspen	5	Pole	6		Red Maple	Low	>20 feet	Sapling
Red Oak	14	XLog/Log	21				1	1
Red Maple	5	Pole	6					
	Canopy Species Red Pine White Pine Bigtooth Aspen Red Oak	Canopy Species% CoverRed Pine16White Pine60Bigtooth Aspen5Red Oak14	Canopy Species% CoverSize ClassRed Pine16Log/Pole/XLogWhite Pine60Log/XLog/PoleBigtooth Aspen5PoleRed Oak14XLog/Log	Canopy Species% CoverSize ClassDBFRed Pine16Log/Pole/XLog12White Pine60Log/XLog/Pole15Bigtooth Aspen5Pole6Red Oak14XLog/Log21	Canopy Species% CoverSize ClassDBHAgeRed Pine16Log/Pole/XLog12White Pine60Log/XLog/Pole15125Bigtooth Aspen5Pole6Red Oak14XLog/Log21	Canopy Species% CoverSize ClassDBHAgeRed Pine16Log/Pole/XLog12BeechWhite Pine60Log/XLog/Pole15125Bigtooth Aspen5Pole6Red MapleRed Oak14XLog/Log21Age	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesDensityRed Pine16Log/Pole/XLog12BeechLowWhite Pine60Log/XLog/Pole15125White PineLowBigtooth Aspen5Pole6Red MapleLowRed Oak14XLog/Log21EndEndEnd	Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightRed Pine16Log/Pole/XLog12BeechLowVariableWhite Pine60Log/XLog/Pole15125White PineLowVariableBigtooth Aspen5Pole6Red MapleLow>20 feetRed Oak14XLog/Log21

Small stand of nice natural pine and oak. Variable diameters on the pine. Several legacy white pine. Oak mostly in the east half of the stand. Average ba/acre from 2 plots = 175 square feet. Leave unmanaged.

Small pine stand that was excluded from the surrounding harvest, more oak in the finger that cuts north. Portions of the red pine appear planted but no sale records exist. There are also some larger XL-sized red pine mixed in throughout so maybe it is natural? Average ba/acre from 4 plots = 138 square feet. Do not manage. Leave for diversity and retention purposes.

64 42260 - Natural Pine, Mixed Deciduous Sawtimber Well

Well 4.3 98

62.0

62

Sub-Canopy Species

Red Maple

Beech

Balsam Fir

White Pine

Red Oak

Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	18	Log/XLog	16		Beech	Medium	< 5 feet	Seeding
White Pine	7	Log/Pole/XLog	12		Beech	Low	5 - 10 feet	Sapling
Red Pine	54	Log/Pole/XLog	14	98	Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	10	Pole	8		White Pine	Trace	>20 feet	Sapling
Red Maple	11	Pole/Sapling	6					

42200 - Natural White Pine

20

7

1

72

% Cover Size Class

XLog/Log

Log/Pole

Log/Pole

Log/Pole/XLog

Canopy Species

Red Pine

Bigtooth Aspen

Red Maple

White Pine

67

Report 7 – Stands

. . .

N/A

Size

Sapling

Sapling

Sapling

Sapling

Sapling

Avg. Height

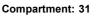
Variable

Variable

Variable

Variable

Variable



Year of Entry: 2025

DUR DURATURAL

Stand	Level 4 Co	ver Type	S	ize De	nsity	Acres	Stand Age	BA Range	Managed Site	
65	4119 - Mixed Northern Hardwoods			Poletimber Well		21.0	54	81-110	N/A	
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size
	Beech	21	Pole/Sap/Log	7			Beech	Full	Variable	Sapling
	Red Maple	36	Pole	8	54	W	hite Pine	Trace	>20 feet	Sapling
	Red Oak	21	Pole/Log/XLog	8		R	led Oak	Trace	>20 feet	Sapling
	White Pine	7	Log/Pole	11		Strip	oed Maple	Trace	Variable	Sapling
	Basswood	1	Log/XLog	15		In	onwood	Trace	Variable	Sapling
	Paper Birch	1	Pole	8				1		
	Red Pine	2	Pole	8						
	Sugar Maple	9	Pole/Log	8						
В	Bigtooth Aspen	2	Pole/Log	8						

Poor quality hardwood stand, with the exception of the oak. The only harvest records for this stand are from 1969, which must have been a partial harvest, as there is a second age class of larger oak, beech, and maple mixed in throughout. In the younger age class, there are a lot of small diameter red maple and beech throughout the stand. Most of the beech have BBD, with several already dead. Younger red oak is present throughout and there are some scattered clumps where oak is dominant. Bigtooth aspen is mostly at the far northern end. Average ba/acre from 10 plots = 96 square feet. Let the beech die out of this stand and manage for oak and pine in the future as these two species display the best growth on this site.

General Comments

66	42111 - Plantec Dec	Sawtimber Well		9.1	91	111-140	N/A			
	Canopy Species	% Cover	r Size Class	DBH Age		Sub-Car	nopy Species	Density	Avg. Height	Size
	Red Maple	2	Pole	7		Re	ed Oak	Low	>20 feet	Sapling
	Sugar Maple	Sugar Maple 3 Pole				E	Beech	Medium	Variable	Sapling
	Ironwood	5		Re	d Maple	Trace	>20 feet	Sapling		
	Paper Birch	Paper Birch 1 Pole				White Ash Trac			>20 feet	Sapling
	White Pine	7	Log/XLog/Pol	e 15		Sug	ar Maple	High	>20 feet	Sapling
	Quaking Aspen	10	Log/Pole	13		Ba	sswood	Trace	>20 feet	Sapling
	Red Pine 60 XLog/Log				91	Wh	ite Pine	Trace	Variable	Sapling
	Jack Pine	10	Log/Pole	10		Iro	nwood	Medium	>20 feet	Sapling
	Red Oak	2	Pole	7		Pap	er Birch	Trace	>20 feet	Sapling

5.7

92

Sub-Canopy Species

Balsam Fir

Jack Pine

Red Maple

Red Pine

White Pine

81-110

Density

Low

Trace

Medium

Low

Hiah

Sawtimber Well

19

11

10

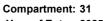
15 92

DBH Age

123

Large diameter red pine that was planted but does not resemble a plantation in most places. The far southern end of the stand, south of the powerline ROW, has the most dense stocking and does look like a traditional plantation in most places. However, as you move northeast in the stand the red pine becomes more widely scattered and not in rows, and other species become more abundant, particularly jack pine and aspen. A lot of the jack pine has died or is close to it. Advanced hardwood regeneration is present throughout the stand, including many areas with an excellent representation of sugar maple and oak. Trace of basswood (pole/log/xlog) and white ash (poletimber) in the overstory. Average ba/acre from 7 plots = 117 square feet. Flat terrain. Allow the hardwood regeneration to continue to develop naturally and let the remainder of the jack pine die out. Eventually this stand can be managed for hardwoods.

Nice white pine stand with a variety of size classes present, including numerous legacy trees. Diameters tend to be smaller in the northern part of the stand but increase as you head south, eventually having XL-sized (18"+) trees as the dominant size class. This stand had a partial harvest in the 1980's and the gaps created from that harvest have filled in well with white pine. The aspen component is mostly at the far northern edge of the stand. Average ba/acre from 4 plots = 103 square feet. A part of this stand lies within the influence zone of the Little Pigeon River which
this stand lies within the influence zone of the Little Pigeon River which
reduces the amount of treatable area. Leave unmanaged for now.



Year of Entry: 2025

Stand	d Level 4 Cover Type		:	Size Density		Acres Stand Age BA Rang		Managed Site		General Comments			
68	4139 - Aspen, I	Mixed Deciduous Poletimber Well		31.8 56	31.8 56 111-140 N/			Pretty nice aspen stand with a large component of hardwoods.					
	Canopy Species % Cover Size Class DBH		Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Hardwoods are mostly small diameter and poor-quality, and tend to be found in small clumps, although there are individual stems as well. The					
	Ironwood	1	Pole	5		Red Oak	Trace	>20 feet	Sapling	oak component is large diameter and high-quality. A younger age class			
	Sugar Maple	5	Pole	7		Sugar Maple	Trace	>20 feet	Sapling	of oak is present as well, and can be found more frequently in the south			
	Quaking Aspen	5	Pole/Log	8		White Pine	Trace	Variable	Sapling	half of the stand, near the road. Although rare, a second age class of older aspen is present, most have lots of rot and are good wildlife tree			
	Beech	5	Pole/Log	8		Ironwood	Low	>20 feet	Sapling	Most beech have BBD. Pine can be found mostly along the western			
	Red Oak	10	XLog/Log/Pole	e 18	98	Red Maple	Low	>20 feet	Sapling	edge. Trace of white pine. One stump sprout clump of large diameter			
	Paper Birch	1	Pole	8		Beech	High	Variable	Sapling	basswood was found in the southeast part of the stand, east of the road.15 plots were taken within the stand with an average BA/acre of 119			
	Bigtooth Aspen	49	Pole/Log	8	56					square feet. Terrain is flat to gently rolling. Concern in harvesting this			
	Red Maple	22	Pole/Sap/Log	8						stand due to the heavy herbivory throughout this area. A similar stand			
	Red Pine	2	Log/Pole	14						adjacent to this one (stand 70) was clearcut recently with the regeneration coming back to predominantly beech.			
69	42200 - Natu	42200 - Natural White Pine Sawtimber Po			er Poor	2.6 48	1-50 N/A			This is an old Tordon opening that was treated in1975 and is now filling in with trees. The lorger white pipe are hughy and open grown. Average			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	with trees. The larger white pine are bushy and open grown. Average ba/acre from 4 plots = 40 square feet.			
	Red Oak	12	Log/XLog	14		White Pine	Medium	Variable	Sapling				
	White Pine	82	Log/XLog/Pole	e 14	48	Black Cherry	Low	>20 feet	Tall Shrub				

Trace

Medium

Trace

Density

Low

Trace

Immature

Variable

Variable

>20 feet

Avg. Height

10 - 20 feet

5 - 10 feet

N/A

Sapling

Sapling

Sapling

Size

Sapling

Sapling

Clearcut in 1998 by Georgia Pacific in the sale Year End Aspen Block (# 53-022-96-01). Everything was cut except for oak. Removed roughly 200 cords of red maple, 270 cords aspen, and 230 cords of mixed hardwood. Mixed hardwood contained paper birch, basswood, sugar maple, and beech. With the exception of beech, none of these hardwood species are represented in the regeneration except for a handful of red maple saplings and trace amounts of paper birch saplings. Beech, on the other hand, regenerated extremely well and is thick throughout the entire stand. Only a few pockets of aspen are present, mostly at the south end of the stand. I didn't notice any BBD on the beech yet, although it can't be too long before it appears in the stand. A good example of why clearcutting a hardwood stand is an ecologically bad decision in areas of high browse
pressure. Complete loss of diversity and desirable species regeneration.

Oak dominated stand with a lot of large diameter trees. The oak is relatively good quality and appears healthy. It appears that this stand had a species removal at one time, as there is a younger age class of aspen and red maple in the west half. The east half of the stand has a nice understory of white pine. There are also several mature red maple in this half that must have been missed during the previous species removal. There is a little bit of mature pine at the south end of the stand. Average ba/acre from 5 plots = 90 square feet. Successful regeneration of the oak is unlikely due to current browse levels. Let the younger age class grow more before considering a harvest.

71	4123 - Red Oak		S	Sawtimbe	er Well	10.1	92	81-110	N/A	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	s Density	Avg. Height	Size
	Red Oak	61	Log/XLog	17	92	Re	d Oak	Trace	>20 feet	Sapling
	Red Maple	20	Pole/Log	8		Whi	te Pine	Medium	Variable	Sapling
	White Pine	11	Pole/Log	8		B	eech	Medium	5 - 10 feet	Sapling
	Bigtooth Aspen	5	Pole/Sapling	5	53	Bigtoo	oth Aspen	Medium	>20 feet	Sapling
	Red Pine	3	Pole	8		Red	Maple	Medium	>20 feet	Sapling

14 7

8

14

7

3

2

17

4

Sapling Well

DBH Age

25

Ironwood

Beech

Red Oak

Sub-Canopy Species

Striped Maple

White Pine

25

25.4

Ironwood

Jack Pine

Red Pine

Canopy Species

White Pine

Red Maple

Beech

Red Oak

Bigtooth Aspen

1

2

3

2

4

80

6

8

70 4112 - Maple, Beech, Cherry Association

Pole

Pole/Log

Log

Pole/Sapling

Sapling

Sapling

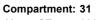
Log/XLog

Sapling/Pole

% Cover Size Class

73

Report 7 – Stands



Year of Entry: 2025

DNR DNR CHIGAN

Stand	nd Level 4 Cov		:	Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site
72	4130	- Aspen		Sapling	l Well	22.4	25	51-80	N/A	
Can	opy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size
Re	ed Maple	8	Sapling	3		Re	ed Maple	Medium	Variable	Sapling
I	Beech	3	Sapling	2			Beech	Low	Variable	Sapling
Bigto	ooth Aspen	62	Sapling/Pole	4	25	Re	ed Maple	Medium	< 5 feet	Seeding
R	led Oak	10	Log/XLog/Pole	e 17		W	hite Pine	Trace	Variable	Sapling
Ire	onwood	5	Sapling	3		In	onwood	Medium	< 5 feet	Seeding
W	hite Pine	2	Pole/Sapling	7		In	onwood	Medium	Variable	Sapling
Quak	king Aspen	10	Sapling/Pole	4			Beech	Low	< 5 feet	Seeding
						Bla	ck Cherry	Low	Variable	Tall Shrub
						R	ed Oak	Trace	>20 feet	Sapling

Clearcut in 1998 by Georgia Pacific in the sale Year End Aspen Block (# 53-022-96-01). Everything was cut except for oak. Past inventory notes that there was heavy browse impacts and that is noticeable today in that the aspen is clumpy, with small scattered non-forested openings throughout. Browse is still an issue today as some of the open areas are trying to fill in maple, beech, and ironwood, but much of these stems, even including the ironwood, are being browsed and held below 5 feet tall. Red oak residual is high quality and more numerous near the northern edge of the stand. A 2nd age class of large sapling/small poletimber (4-8" DBH) oak is present but rare. Trace of red pine poletimber.

General Comments

330 - Low-Density Trees	Nonstocked	7.3 Un	specified	No		Clumps of t
		Sub-Canopy Species	Density	Avg. Height	Size	1991 at the failed to reg
		White Pine	Medium	Variable	Sapling	(browse not
		White Pine	Low	>20 feet	Log	bordering th
		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub	Lake Road.
		Red Oak	Low	Variable	Sapling	-
		White Pine	Low	>20 feet	Pole	-
		Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub	
		Jack Pine	Trace	Variable	Sapling	-
		Jack Pine	Trace	>20 feet	Pole	-
		Quaking Aspen	Trace	>20 feet	Pole	
		Black Cherry	High	Variable	Tall Shrub	
		Red Pine	Trace	Variable	Sapling	
		Mixed Grasses	High	Unspecified	Non-Wood	
		Sweet Fern	High	< 5 feet	Tall Shrub	
		Red Oak	Trace	>20 feet	Log	-
		Bracken Fern	High	Unspecified	Non-Wood	
		Red Maple	Trace	Variable	Sapling	1
		Bigtooth Aspen	Trace	>20 feet	Log	
		Red Maple	Trace	>20 feet	Pole	
		Red Oak	Trace	>20 feet	Pole	1

Clumps of trees throughout. It looks like this stand may have been cut in 1991 at the same time as adjacent stand 80 in Comp 30, but largely failed to regenerate. Pine most common in the north half of the stand (browse noted on young jack pine!). Clumps of aspen along the west side bordering the sand pit/scramble area. Some nice oak regen close to Ford Lake Road. Some of the cherry is actually decent quality.



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tand	d Level 4 C	over Type	5	Size Der	nsity	Acres Stand Ag	je BA Range	Managed S	Site	General Comments
74	42260 - Natural Pi	ne, Mixed I	Deciduous Sa	awtimbe	r Poor	7.4 98	1-50	N/A		This stand had a seed-tree cut in the fall of 2017 in the sale Sightline
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	Aspen, #53-006-15-01, bought by Precision. Roundwood job but they came back and chipped the tops in the spring of 2018. Pockets of young
	Red Oak	28	Log/Pole/XLog	14		Bigtooth Aspen	Medium	5 - 10 feet	Sapling	red oak and paper birch were protected, more numerous by the pipeline
	Paper Birch	2	Pole	8		Beech	Medium	5 - 10 feet	Sapling	Average residual ba/acre = 22 square feet. Regeneration so far has
	Bigtooth Aspen	4	Log	14		Red Maple	Medium	< 5 feet	Seeding	come back to primarily aspen, beech, and red maple. Browse impacts of the quaking aspen aren't too bad however the red maple and bigtooth
	White Pine	7	Log/Pole/XLog	14		Red Maple	Trace	5 - 10 feet	Sapling	aspen is being hammered. Unsure how many of the red maple and bigooth
	Red Pine	59	Log/XLog	15	98	Quaking Aspen	Low	10 - 20 feet	Sapling	sprouts will survive. A few areas of red pine regen on old skid trails.
						Beech	Medium	< 5 feet	Seeding	Trace of sugar maple and red maple residual trees. Retention area at th west end is mostly red pine, jack pine, and aspen. The retention area in
						Red Pine	Low	< 5 feet	Seeding	the middle is mostly red pine.
						Red Oak	Trace	>20 feet	Sapling	
75	4199 - Other Mixe	d Upland [eciduous Po	oletimbe	er Well	5.2 56	111-140	N/A		Mixed species stand with an excellent component of young hardwoods. Aspen is present in the stand but not uniform or dominant, most can be
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	found at either the north or south ends of the stand. A small amount of
	Red Oak	10	Pole/Sap/Log	7		Ironwood	Low	>20 feet	Sapling	residual oak in the log/XL-log size classes is present. Small amount of
	Paper Birch	7	Pole	6		Red Oak	Low	>20 feet	Sapling	pine along the west edge. Average ba/acre from 7 plots = 119 square
	Bigtooth Aspen	23	Pole/Log	9	56	Red Maple	High	>20 feet	Sapling	feet. Let this stand grow and manage for hardwoods.
	Ironwood	2	Pole	5		Beech	Low	Variable	Sapling	
	Quaking Aspen	16	Pole/Log	8		Sugar Maple	Medium	>20 feet	Sapling	
	Red Pine	2	Log/XLog	15				I		-
	Sugar Maple	17	Pole/Sapling	5						
	Red Maple	23	Pole/Sapling	6						
76	3105 - Mixed U	oland Herb	aceous	Nonsto	ked	19.9	Unspecified	No		Lakehead Pipeline
77	4110 - Sugar N	laple Asso	ciation Sa	awtimbe	er Well	55.0 100	81-110	N/A		Stand thinned in 2008 in the sale "Lone Apple Tree Hardwoods", sale
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	#53-004-07-01, bought and cut by Randy Nash. Thinned too heavily in many areas, BA's are quite low, especially along the east side adjacent
	Basswood	18	Log/Pole	12		Beech	High	Variable	Sapling	to the road. Didn't clean up ironwood in canopy gaps. Most beech is dea
	Beech	2	Log	13		Ironwood	Low	Variable	Sapling	from BBD. Heavy understory of beech is developing throughout the
	Bigtooth Aspen	6	XLog/Log	19						$^{ m J}$ stand. 7 BA plots taken with an average of 83 sq. ft. per acre.
	Sugar Maple	71	Log/Pole	10	100					
	Red Maple	2	Log/Pole	10						
	•		-							

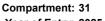
Compartment: 31

Voor of Entry 2025

tanc	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
78	4111 - S.Maple, H	ard Mast A	ssociation Po	oletimb	er Well	59.2	100	81-110	N/A		Hardwood stand of varying quality and stocking. In general, quality is be
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	south of Ford Lake Road and gets better as you approach the southern stand boundary. Red maple and oak are more common north of the roa
	Beech	20	Pole/Log/XLog	9		Irc	onwood	Low	Variable	Sapling	Beech is present throughout, tending to occur in small clumps. Most have
	Red Oak	4	XLog/Log	18		R	ed Oak	Trace	>20 feet	Sapling	BBD and a good amount are already dead, although it looks like there
	Paper Birch	1	Log/Pole	12		Strip	ed Maple	Trace	>20 feet	Sapling	may be a few resistant stems in the stand. Bigtooth aspen can be found both scattered individually and in small clumps. A few scattered areas in
	Sugar Maple	45	Pole/Log	8	100	E	Beech	High	Variable	Sapling	the south half of the stand that were openings long ago and have now
	Red Maple	10	Log/Pole	10				·			filled in primarily with ironwood, beech, and a few red oak saps/poles
	Basswood	16	Log/Pole/XLog	13							(see 98 DOQ imagery and site conditions layer for locations). Other species that were present but rare include ironwood, white pine, and
	Bigtooth Aspen	4	Log/Pole/XLog	14							quaking aspen. Average ba/acre from 20 plots = 110 square feet. Rollin
											terrain with some steep slopes in the east/northeast part of the stand.
79	4130	- Aspen	Po	oletimb	er Well	9.1	35	81-110	N/A		This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips
Canopy Species Red Pine		% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Company, #53-033-85). Aspen is fully-stocked and pretty good quality. small amount of red oak, mostly along the perimeter of the stand.
		2	Pole	6		E	Beech	Trace	Variable	Sapling	Average ba/acre from 6 plots = 110 square feet. Needs at least 10 mor
	Bigtooth Aspen	52	Pole/Sapling	6	35	Red Oak Ironwood		Trace	>20 feet	Sapling	years of growth before prescribing another harvest.
	Red Oak	2	Pole/Sapling	5				Low	Variable	Sapling	
	Red Maple	13	Pole/Sapling	5		Blac	ck Cherry	Medium	Variable	Tall Shrub	
	Quaking Aspen	25	Pole/Sapling	6		Wł	nite Pine	Low	Variable	Sapling	
	White Pine	6	Pole/Sapling	6		Re	d Maple	Medium	>20 feet	Sapling	
80	42290 - Natu	ural Mixed	Pine Sa	awtimb	er Well	1.5	50	111-140	N/A		Small pocket of pine sitting on a west-facing slope. No planting records
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	were found but this appears planted. Red pine is mostly at the west end with the remainder of the stand dominated by white pine. A nice
	Red Oak	7	Pole/Log	9		Irc	onwood	Low	>20 feet	Sapling	component of younger oak is scattered throughout. Trace of black cher
	White Pine	55	Log/Pole/XLog	12	50	Strip	oed Maple	Trace	>20 feet	Sapling	and paper birch poletimber. Average ba/acre from 3 plots = 130 square
	Red Pine	25	Log/Pole/XLog	13		R	ed Oak	Trace	>20 feet	Sapling	feet.
	Red Maple	5	Pole	7		Re	d Maple	Low	>20 feet	Sapling	
	Beech	2	Pole	8		E	Beech	High	Variable	Sapling	
	Ironwood	5	Pole	5							-
	Sugar Maple	1	Pole	7							

01		a opiana i		Cawani		1 15.2	104	01-110	11/7		
	Canopy Species	% Cove	Size Class	5 DBH	I Age	Sub-Can	nopy Species	5 Density	Avg. Height	Size	
	Red Maple	5	Log/Pole	11		В	leech	High	Variable	Sapling	
	Red Oak	46	XLog/Log	j 20	104	Iro	nwood	Low	Variable	Sapling	
	Basswood	7	Log/XLog	13		Stripe	ed Maple	Trace	10 - 20 feet	Sapling	
	Sugar Maple	29	Log/Pole	10	104			·			
	Ironwood	1	Pole	5							
	Beech	12	Pole/Log	9							

very large, approaching 30" in diameter. Last thinned in 2009 by the Jaroche Brothers in the sale Ford Lake Road Oak (#53-005-09-01). Other than oak, hardwood quality is lower in the northwest part of the stand but becomes better as you move south. Most of the beech and red maple is in the northwest part. All beech have BBD and most appear dead or lg close to it. Trace of bigtooth aspen, yellow birch, paper birch, and hemlock in the overstory. Average ba/acre from 9 plots = 100 square feet. Terrain slopes up as you move south.



Year of Entry: 2025

Stand	Level 4 C	Level 4 Cover Type		Level 4 Cover Type		Size D	ensity	Acres	Stand Age	e BA Range	Managed Site	General Comments
82	4199 - Other Mixe	ed Upland D	eciduous	Saplin	g Well	5.2	5.2 35	81-110	N/A	This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips		
	Canopy Species	% Cover	Size Class	DBł	I Age					Company, #53-033-85). Regeneration came back well, however ironwood is dominant. There is a decent component of oak and sugar maple. A		
	Sugar Maple	16	Sapling/Pole	e 3						trace amount of residual sugar maple and beech, mostly poletimber, is		
	Ironwood	41	Sapling	3	35					present. The north end is the only area without much regeneration.		
	Paper Birch	1	Sapling/Pole	9 4								
	Beech	6	Sapling/Pole	9 3								
	Black Cherry	3	Sapling/Pole	9 4								
	White Pine	5	Pole/Log	8								
	Bigtooth Aspen	2	Pole	6								
	Red Maple	8	Sapling/Pole	e 3								
	Quaking Aspen	3	Sapling/Pole	9 4								
	Red Oak	15	Sapling/Pole	e 4								

N/A

N/A

83 4199 - Other Mixed Upland Deciduous Sawumber weil 91.0 95 01-110	83	4199 - Other Mixed Upland Deciduous	Sawtimber Well	91.6	93	81-110	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	39	Pole/Log	8	93	Beech	Medium	Variable	Sapling
Beech	5	Log/Pole	11					
Red Maple	4	Pole/Log	9					
Basswood	11	Log/Pole	12					
Red Oak	38	Log/XLog	17	93				
Bigtooth Aspen	3	Log	14					

Thinned in 2011 in the sale "Camp Hardwoods" (NW Hardwoods, #53-004-10). Thinned very heavily with low BAs in many areas. High guality red oak in stand, good quality on other hardwoods as well. Red oak site index = 60. A few areas of old blowdown adjacent to Road 73. Beech most common at the north end of the stand, almost all of it is dead from BBD. Other species that were present but rare included paper birch, yellow birch, hemlock, bigtooth aspen, and ironwood. 15 points were taken with an average ba/acre of 83 sq. ft.

4110 - Sugar M	aple Asso	ociation S	Sawtimb	er Well	97.5	96	111-140	N/A		
Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Can	opy Specie	s Density	Avg. Height	Size	t t
Red Oak	2	XLog/Log	22		B	eech	Medium	Variable	Sapling	C
Beech	3	Log/XLog/Pol	e 14		Stripe	ed Maple	Low	>20 feet	Sapling	2
Sugar Maple	62	Log/Pole/XLo	g 11	96	Iror	nwood	High	Variable	Sapling	L S
Basswood	33	Log/XLog/Pol	e 13							k
	Canopy Species Red Oak Beech Sugar Maple	Canopy Species% CoverRed Oak2Beech3Sugar Maple62	Canopy Species% CoverSize ClassRed Oak2XLog/LogBeech3Log/XLog/PolSugar Maple62Log/Pole/XLog	Canopy Species% CoverSize ClassDBHRed Oak2XLog/Log22Beech3Log/XLog/Pole14Sugar Maple62Log/Pole/XLog11	Canopy Species% CoverSize ClassDBHAgeRed Oak2XLog/Log22Beech3Log/XLog/Pole14Sugar Maple62Log/Pole/XLog1196	Canopy Species% CoverSize ClassDBHAgeSub-CanRed Oak2XLog/Log22BitBeech3Log/XLog/Pole14StripeSugar Maple62Log/Pole/XLog1196	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpecieRed Oak2XLog/Log22BeechBeech3Log/XLog/Pole14Striped MapleSugar Maple62Log/Pole/XLog1196	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesDensityRed Oak2XLog/Log22BeechMediumBeech3Log/XLog/Pole14Striped MapleLowSugar Maple62Log/Pole/XLog1196IronwoodHigh	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesDensityAvg. HeightRed Oak2XLog/Log22BeechMediumVariableBeech3Log/XLog/Pole14Striped MapleLow>20 feetSugar Maple62Log/Pole/XLog1196IronwoodHighVariable	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesDensityAvg. HeightSizeRed Oak2XLog/Log22BeechMediumVariableSaplingBeech3Log/XLog/Pole14Striped MapleLow>20 feetSaplingSugar Maple62Log/Pole/XLog1196IronwoodHighVariableSapling

Very nice hardwood stand with a lot of high quality sugar maple throughout, especially in the east 1/2 of the stand. Last thinned in 2002 in the sale Elk View Hardwoods (Weyerhauser, #53-001-00). Little to no coarse woody debris. Most beech have BBD and are close to dead, although there may be a few resistant trees mixed in. The beech understory increases as you move north and west in the stand. Other species that were present but rare included elm, yellow birch, paper birch, and bigtooth aspen. Average ba/acre from 20 plots = 125 square feet. Rolling terrain but no inoperable slopes. A wet drainage is present in a valley in the middle of the stand, leading down to the food plot (see site conditions layer).

Nice hardwoods. A second age class of large, old sugar maple is present, most common in the north half of the stand. Diameters decrease in the south half of the stand. Very large red oak, a few greater than 30" DBH. Average ba/acre from 8 plots = 119 square feet. It doesn't look like this stand has been thinned in a long time. Leave this stand unmanaged as every other hardwood stand in this and the surrounding Compartments have been managed.

X5 4110 - Sudar Maple Association	85	4110 - Sugar Maple Association
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Sawtimber Well 25.7 96

111-140

Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	6	XLog/Log	22		Ironwood	High	Variable	Sapling
Beech	2	Log/XLog/Pole	14		Beech	Low	Variable	Sapling
Sugar Maple	69	Log/Pole/XLog	12	96				
Basswood	23	Log/XLog/Pole	14					

Canopy Species

Sugar Maple

Canopy Species Beech

Ironwood Sugar Maple

Bigtooth Aspen Yellow Birch

Canopy Species

Bigtooth Aspen Sugar Maple

Stand

86

87

88

89

90

81-110

Density

Medium

Medium

N/A

Avg. Height

Variable

Variable

Size

Sapling

Sapling

Pigeon River Co	Pigeon River Country Mgt. Unit					Repo	ort 7 – Sta	inds		Compartment: 31 Year of Entry: 2025				
Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments				
4110 - Sugar M	laple Asso	ciation	Sawtimb	er Well	19.6	88	81-110	N/A		Hardwood stand dominated by high quality sugar maple. BAs are variable as a result of a tornado salvage harvest in 1993 (Twisters Path				
anopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Hardwood, #53-014-93, Matelski Lumber). Areas of low BA (<50 sq ft)				
Basswood	14	Log/Pole	12		Wh	nite Ash	Trace	>20 feet	Sapling	alternate with dense pockets of higher BA that haven't been thinned in a				
Sugar Maple	83	Log/Pole	10	88	Iro	onwood	High	Variable	Sapling	while. Little to no species diversity in either the overstory or understory. Surprisingly, regeneration in the gaps from the harvest is almost				
Beech	3	Log/Pole	12		E	Beech	Low	Variable	Sapling	predominantly ironwood, beech is mostly absent for some reason. Trace				
										of red oak in the overstory. There is a $12^{"}$ ironwood at the far east end of the stand. Average ba/acre from 9 plots = 107 square feet. The majority of the stand slopes down to the southwest.				
2113 - Fo	rage Crop	5	Nonsto	ocked	25.5	U	Inspecified	Managed Op	pening	Maintained food plot, popular elk viewing area.				
4110 - Sugar M	laple Asso	ciation	Sawtimb	er Well	29.7	88	81-110	N/A		Nice hardwood stand with quality increasing as you move northeast in the stand. Last thinned in 2008-09 in the sale Soaring Eagle Hardwoods (#53-				
anopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	016-07-01, Tulgetska). Heavy understory of undesirable species.				
Beech	4	Log/Pole	11		Wh	nite Ash	Low	5 - 10 feet	Sapling	Localized areas of heavy browse on ironwood and ash that are keeping				
Ironwood	2	Pole	5		Wł	nite Ash	Medium	< 5 feet	Seeding	them below 5 feet tall. Trace of elm (log), and paper birch (log). Average				
Sugar Maple	63	Log/Pole	10	88	Iro	onwood	Medium	Variable	Sapling	ba/acre from 10 plots = 108 square feet. Rolling terrain with some steep slopes closer to Sturgeon Valley Road. This stand should be ready for				
Basswood	28	Log	13		Iro	onwood	Low	< 5 feet	Seeding	another thinning next entry.				
gtooth Aspen	2	XLog	22		E	Beech	High	Variable	Sapling					
ellow Birch	1	Pole	8											
4110 - Sugar M	•		Poletimb		32.6		111-140	N/A		Northern hardwood stand with a lot high quality sugar maple stems, although diameters are still quite small. The only records of a past				
anopy Species	% Cover			Age		nopy Species	Density	Avg. Height	Size	harvest in this stand is a TSI done in 1975. There is a small area in the				
Beech	2	Pole/Log	8			nwood	Medium	10 - 20 feet	Sapling	center of stand that was salvaged following a windstorm in the mid 1990's, it has since filled in with mostly ironwood and a few paper birch				
gtooth Aspen	2	Log/Pole	11			ite Pine	Trace	Variable	Sapling	and oak saplings. Other species that are present in the overstory but rare				
Sugar Maple	67	Pole/Log	9	97		Beech	Low	Variable	Sapling	include yellow birch, white pine, black cherry, paper birch and elm.				
Red Oak	4	XLog/Log/Po				ber Birch	Trace	>20 feet	Sapling	Average ba/acre from 11 plots = 132 square feet. Basal areas are lower				
Basswood	25	Log/Pole/XLc	og 11		Re	ed Oak	Trace	>20 feet	Sapling	in the narrow, southwestern part of the stand. Yellow birch is mostly in the west/northwest part of the stand. A second age class of younger oak is present in the stand, mostly along edges and areas that were previously more open. Some short, steep slopes adjacent to the road that borders the east and north edges.				

Thinned in 2011 in the sale "Camp Hardwoods" (NW Hardwoods, #53-004-10). Thinned heavily in areas. The area around Camp Vanderbilt at the south end was excluded from the harvest. Most beech dead from BBD. Other species that were present but rare included red pine, paper birch, hemlock, and bigtooth aspen. 20 BA plots taken with an average of 85 sq. ft. per acre (2013 BA data). Take new BA data in 2032.

4110 - Sugar Maple Association

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple	4	Pole/Log	8		Beech	Τ
Basswood	25	Log	13		Ironwood	
Red Oak	3	Log/XLog	15			
White Pine	4	Pole/Log	9			
Sugar Maple	58	Log/Pole	10	91		
Ironwood	4	Pole/Sapling	6			
Beech	2	Log/Pole	10			

Sawtimber Well

106.3

91

Stand

91

92

Report 7 – Stands

Compartment: 31

									Year of Entry: 2025
nd Level 4 C	Level 4 Cover Type		ize Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
42290 - Nat	ural Mixed	l Pine Saw	timber Med	ium 10.3	66	51-80	N/A		Pine dominated stand with multiple age classes present. Stocking varies
Canopy Species	% Cove	er Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	considerably with areas of dense stocking alternating with poorly-stocked and non-forested open areas. Pine regeneration is filling in some of the
Red Pine	47	Log/Pole/XLog	13 66	W	/hite Pine	Medium	Variable	Sapling	open areas. Advanced red oak regeneration can be found throughout,
Jack Pine	6	Log/Pole	10	Pa	aper Birch	Trace	>20 feet	Sapling	more common in the west half of the stand. A few clumps of sugar maple
Ironwood	4	Pole/Sapling	5	Bla	ack Cherry	Low	Variable	Tall Shrub	regeneration can be found as well. A couple of the mature pine pockets appear planted. Not sure of the harvest history of the stand, it almost
Red Oak	7	Log/Pole/XLog	10		Beech	Medium	Variable	Sapling	looks like it had a partial harvest long ago. Average ba/acre from 6 plots
Beech	1	Pole	5	Serviceb	erry (Juneberry)	Trace	>20 feet	Tall Shrub	
Paper Birch	1	Pole	8	h	ronwood	Medium	Variable	Sapling	matures but that will be many years down the line.
White Pine	22	Log/Pole/XLog	13	Su	gar Maple	Low	>20 feet	Sapling	
Sugar Maple	12	Log/Pole/XLog	13	F	Red Oak	Medium	>20 feet	Sapling	
	I			F	Red Pine	Low	Variable	Sapling]
42260 - Natural P	ine, Mixed	Deciduous Pole	timber Mec	ium 9.5	51	51-80	N/A		Not sure of the harvest history of this stand but it looks like it may have
Canopy Species	% Cove	er Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	had a partial harvest at one time, or possibly an old opening that is filling

N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	28	Pole/Log	9		Red Oak	Trace	>20 feet	Sapling
Ironwood	9	Pole	6		Sugar Maple	Low	>20 feet	Sapling
Quaking Aspen	13	Log/Pole	10		Balsam Poplar	Trace	>20 feet	Sapling
Red Oak	2	Pole/Log	8		Beech	Medium	Variable	Sapling
Red Pine	11	XLog/Log/Pole	20	51	Black Cherry	Medium	Variable	Tall Shrul
Sugar Maple	3	Pole/Log	8		Ironwood	Medium	Variable	Sapling
White Pine	30	Pole/Log/XLog	8	51	Jack Pine	Trace	Variable	Sapling
Black Cherry	2	Pole	8		Red Pine	Trace	Variable	Sapling
Balsam Poplar	2	Pole/Sapling	5		White Pine	Medium	Variable	Sapling

ave filling in? Either way, this stand is now a mix of non-forested openings and forested patches. A variety of size classes are present, including some very large diameter red and white pine. Most of the large white pine are open-grown and bushy, however some of the patches of younger white pine are much better quality. Hardwoods tend to be along the edges of the stand. There are a few areas with good sugar maple regeneration. Some of the larger jack pine have died or are close to it. The balsam poplar is in a small clump at the south end. Trace of pole-size elm and paper birch. Average ba/acre from 6 plots = 72 square feet. Continue to let young pine fill in and manage in the future when mature.

White pine dominated stand of varying guality and sizes. The north half of the stand has lower stocking and the white pine is more open grown and weevil damaged. Some patches of thick autumn olive can be found in this northern area as well. The southern half of the stand has better guality pine and higher stocking. Legacy size white pine are present in the stand. Hardwoods can be found mostly along the east and west edges of the stand. A few of the maple are large diameter, open-grown trees. A couple of massive paper birch (18"+). Average ba/acre from 10 plots = 106 square feet. There are still a lot of small white pine poletimber stems in the stand. Look at a 2-aged shelterwood approach next entry or a thinning.

There is a camping spot in the northernmost part of stand used frequently during hunting seasons. There is also a small memorial here too, with engraved stones and a small stick/rock monument.

93	42201 - Natural White Pine, Mixed	Sawtimber Well	13.2	72	81-110	
•••	Deciduous					

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	1	Log/XLog	15		White Pine	Medium	Variable	Sapling
Red Oak	8	XLog/Log/Pole	20		Beech	High	Variable	Sapling
Sugar Maple	20	Log/Pole/XLog	11		Red Pine	Trace	>20 feet	Sapling
Ironwood	1	Pole	5		Red Oak	Trace	>20 feet	Sapling
Paper Birch	1	Log/XLog	14		Autumn Olive	Low	5 - 10 feet	Tall Shrub
Beech	3	Log/Pole	11		Ironwood	Low	Variable	Sapling
White Pine	62	Log/Pole/XLog	12	72				
Red Pine	4	Log/XLog/Pole	14					

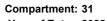
Compartment: 31 Year of Entry: 2025

										Year of Entry: 2025
Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed	Site	General Comments
94	4110 - Sugar N	laple Asso	ciation	Sawtimber Well	23.7	95	81-110	N/A		Moderate quality hardwood stand. Last thinned in 2009 in the sale
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Soaring Eagle Hardwoods (#53-016-07-01, Tulgetska). BAs tend to vary. Seasonally wet areas and vernal pools are common in the southeast 1/4
	Paper Birch	1	Pole	7	Ire	onwood	Medium	Variable	Sapling	of the stand. There is also a seasonal stream with defined banks at the
	Yellow Birch	1	Log/Pole	12	W	hite Ash	Medium	5 - 10 feet	Sapling	far southeastern end. Most of these wet areas were excluded from the
	Ironwood	1	Pole	5		Beech	Low	Variable	Sapling	recent thinning, except for some of the northern wet spots. Lots of rutting damage from the previous harvest, in the wet areas that weren't
	Basswood	40	Log/Pole	14						excluded. There is also rutting damage in other areas of the stand. Trace
	Sugar Maple	57	Log/Pole	11 95						of beech, red oak, bigtooth aspen, balsam fir, and white spruce. Average ba/acre from 9 plots = 107 square feet. Rolling terrain with some steep
95	3105 - Mixed Up	bland Herb	aceous	Nonstocked	6.3	L	Inspecified	No		should be ready for another thinning next entry. Protect all seasonally wet areas and vernal pools. Consider a winter only harvest to limit additional rutting damage. According to the PRC 1932 Historic Map, this is the site of the Yuill
				Γ	Sub-Ca	nopy Species	Density	Avg. Height	Size	Brothers Logging Camp #2. Pits and mounds can be found at the
						ck Cherry	Trace	Variable	Tall Shrub	southern end of the stand. One of the pits still has a wooden beam in it. It appears that there is some good herbaceous diversity in the stand as
						enrod spp.	Medium	Unspecified	Non-Wood	goldenrod, beebalm (bergamot), and milkweed was noted in decent
						onwood	Trace	< 5 feet	Seeding	amounts in the stand.
					Wild	Bergamot	Low	Unspecified	Non-Wood	
					Mixe	d Grasses	Full	Unspecified	Non-Wood	
					W	hite Ash	Trace	< 5 feet	Seeding	
					Spotte	d Knapweed	Low	Unspecified	Non-Wood	
					Little	Bluestem	Low	Unspecified	Non-Wood	
					Sug	gar Maple	Low	>20 feet	Log	
					Wild Re	ed Raspberry	Low	< 5 feet	Tall Shrub	
96	42290 - Natu	Iral Mixed I	Pine	Sapling Poor	2.9	27	Immature	N/A		Old opening that is filling in with pine. Age is an estimate from the
	Canopy Species	% Cover	Size Class	DBH Age						average of several red pine whorl counts. The narrow middle part of the stand is mostly ironwood. The remainder is mostly pine. Trace of white
	Ironwood	15	Sapling/Pole	9 3						spruce poletimber.
	Red Oak	2	Pole/Sapling							
	Sugar Maple	2	Log/XLog	16						
	Jack Pine	5	Pole/Sapling							
	Red Pine	29	Sapling/Pole	9 3						
	White Pine	45	Sapling/Pole							
	Beech	2	Sapling/Pole	9 3						



N DN

Stand	Level 4 C	over Type	\$	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments					
97	4133 - Aspe	en, Mixed P	'ine S	awtimb	er Well	4.2	82	81-110	N/A		Older, moderate quality aspen stand. Jack pine used to be a larger					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	component in the middle parts of the stand, but a lot of it has died. In these places the hardwood understory is more advanced, mostly					
	Red Pine	19	Log/XLog/Pole	15	82	Servicebe	erry (Juneberry)	Trace	>20 feet	Tall Shrub	undesirable beech and ironwood, although there are some scattered					
	Jack Pine	10	Log/Pole	10		Sug	gar Maple	Low			sugar maple and red oak stems. The middle part of the stand also has					
	Red Oak	1	Pole	6		Pii	n Cherry	Trace	>20 feet	Pole	some pin cherry (4-5" DBH) which is a rare species in this part of the PRC (more common in the northern PRC). A couple of the serviceberry					
	Black Cherry	2	Pole	6			Beech	High	Variable	Sapling	are pretty large (3"+ DBH). Small pocket of sugar maple in the southeast					
	White Pine	4	Pole/Log/XLog	8		R	ed Oak	Trace	>20 feet	Sapling	corner. Trace of paper birch (pole/sap) and basswood (sap). Average					
	Beech	1	Pole	5		Bla	ck Cherry	Low	Variable	Tall Shrub	ba/acre from 5 plots = 92 square feet.					
	Sugar Maple	3	Log/Pole	11		WI	nite Pine	Low	Variable	Sapling						
	Ironwood	5	Pole	5		Ire	onwood	Medium	Variable	Sapling						
	Quaking Aspen	55	Log/Pole	12	82					-1	•					
98	122 - Road	d/Parking L	ot	Nonsto	ocked	7.5	U	nspecified	No		Sturgeon Valley Road					
99	4199 - Other Mixe	d Upland D	eciduous P	oletimb	er Well	6.7	48	81-110	N/A		Nice stand of young hardwoods that was clearcut by DNR staff in 1975					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the same time as adjacent stand 100. White ash used to be the domina species in the stand but EAB has killed most. However, it appears that					
	Sugar Maple	30	Pole/Sapling	5	48	Ironwood Beech		Medium	>20 feet	Sapling	there are still some ash that are hanging on. Very nice component of					
	Yellow Birch	3	Pole/Sapling	5				Low	Variable	Sapling	difficult to regenerate species such as oak, paper birch, and yellow birch					
	Bigtooth Aspen	23	Log	12		W	hite Ash	Medium	>20 feet	Sapling	If this was a non-commercial harvest, then perhaps the large amount of coarse woody debris kept the deer and elk out. Trace of elm and					
	Beech	1	Pole	7		Re	d Maple	Trace	Variable	Sapling	basswood (sap/pole). Average ba/acre from 8 plots = 86 square feet.					
	Paper Birch	2	Pole	6		Suc	ar Maple	Medium	>20 feet	Sapling	Difficult stand to get through in places due to all of the ash blowdown.					
	Ironwood	9	Pole/Sapling	5	L						Multiple drainages pass through the stand, originating from stand 100					
	Red Oak	17	Pole/Log	8							(see leaf-off imagery). No management, let this stand continue to grow.					
	White Ash	6	Pole/Sapling	7												
	Red Maple	6	Pole/Sapling	6												
	Quaking Aspen	3	Log/Pole	11												
100	4130	- Aspen	S		er Well	7.0	48	111-140	N/A		Nice stand of aspen that was clearcut by DNR staff in 1975. Pit and mound topography with multiple vernal pools and drainages scattered					
	Canopy Species	% Cover	Size Class		Age		nopy Species	Density	Avg. Height	Size	throughout (see leaf-off imagery). The bigtooth aspen in particular is ver					
	Red Oak	1	Pole	7		Sug	gar Maple	Low	>20 feet	Sapling	high quality. There used to be a lot more ash in the stand					
	Red Maple	4	Pole	6			hite Ash	Medium	>20 feet	Sapling	(saplings/poletimber) but most of it is now dead. Trace of basswood, paper birch, yellow birch, and elm in the understory (saplings). Average					
	Bigtooth Aspen	32	Log/Pole	12		Re	ed Maple	Low	>20 feet	Sapling	ba/acre from 6 plots = 112 square feet. No management due to the					
	White Ash	2	Pole	5			Beech	Low	Variable	Sapling	various water influences throughout the stand.					
	Quaking Aspen	58	Log/Pole	10	48	Ire	onwood	Low	Variable	Sapling						
	Sugar Maple	3	Pole/Sapling	5												
101	3105 - Mixed Uj	oland Herba	aceous	Nonsto	ocked	4.7	U	nspecified	No		Powerline ROW					
102	110 - Low Ir	ntensity Urb	ban	Nonsto	ocked	2.8	U	nspecified	No		Camp Vanderbilt					



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Year of Entry: 2025

											Year of Entry: 2025
Stand	Level 4 C	over Type		Size De	nsity	Acres Star	nd Age B	A Range	Managed S	Site	General Comments
103	42260 - Natural P	ine, Mixed	Deciduous S	Sawtimb	er Well	12.9	88	141-170	N/A		Mixed species stand but dominated by red pine. The red pine is planted,
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy	Species	Density	Avg. Height	Size	but not uniform throughout, and occurs in small patches or strips, specifically along the west stand edge, northeast corner and southeast
	White Pine	19	Log/XLog/Pole	e 14		Red Ma	ple	Low	>20 feet	Sapling	corner. The remainder of the stand is a mix of hardwoods with scattered
	Red Oak	6	Log/XLog	17		Red Oa	ak	Trace	>20 feet	Sapling	red and white pine. The red pine is high quality and large diameter. Whit
	Red Pine	51	Log/XLog/Pole	e 15	88	Sugar Ma	aple	Medium	>20 feet	Sapling	pine is most numerous east of Pickerel Lake Road and is large diamete as well, with some legacy trees here and there. There are a few nice
	Paper Birch	1	Log/Pole	11		Beech	h	High	Variable	Sapling	clumps of advanced sugar maple regeneration, most are directly adjace
	Sugar Maple	9	Log/Pole	11		White P	ine	Low	>20 feet	Sapling	to the road. Trace of basswood. Average ba/acre from 11 plots = 148
	Beech	2	Log/Pole	11		Ironwo	od	Medium	Variable	Sapling	square feet. This stand has a high visual influence due to nearby houses
	Red Maple	6	Pole/Log	8						. 0	and roads. Manage for uneven-aged structure, species diversity, and big trees.
	Bigtooth Aspen	3	Log	13							
	Quaking Aspen	3	Log	13							Two driveways cross this stand via Pickerel Lake Road at the north end. They are likely in trespass.
						Sub-Canopy	Species	Density	Avg. Height	Size	
104	3105 - Mixed U	•			Г	1.0		nspecified	No	Sizo	Lots of bracken. Possibly an old landing that never regenerated? This has not been managed by Wildlife Division.
						Sugar Ma	aple	Trace	>20 feet	Sapling	
						Wild Red Ra	aspberry	Medium	< 5 feet	Tall Shrub	
						Bracken		High	Unspecified	Non-Wood	
						Red Ma	ple	Trace	>20 feet	Sapling	
						White A	∖sh	Trace	< 5 feet	Seeding	
						Ironwo	od	Trace	< 5 feet	Seeding	
						Red Pi	ne	Low	Variable	Sapling	
						Beech	h	Trace	< 5 feet	Seeding	
						White P	Pine	Low	10 - 20 feet	Sapling	
105	6239 - Mixed E	6239 - Mixed Emergent Wetland Nonstocked		0.9	Ur	nspecified	No		Wetland pocket. Mostly sedge and cattails, although there are some rec maple growing in the north half. There used to be a couple of elm but		
						Sub-Canopy	/ Species	Density	Avg. Height	Size	they all appear to be dead.
						Red Ma	ple	Low	>20 feet	Log	
						Michigan	Holly	Trace	5 - 10 feet	Tall Shrub	
						Sedge	es	High	Unspecified	Non-Wood	
											1

>20 feet

Unspecified Non-Wood

Low

Medium

Pole

Red Maple

Cattail spp.

106

107

108

White Pine

Biatooth Aspen

Sugar Maple

Red Maple

Red Pine

Ironwood

Report 7 – Stands

Compartment: 31

Year of Entry: 2025 **General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4119 - Mixed Northern Hardwoods Sapling Poor 48.4 27 Immature N/A This stand was harvested in 2010 in the sale Gooseberry RPP (Biewer, #53-018-08-01). It was a red pine overstory removal with just a few **Canopy Species** Size % Cover Size Class DBH Age **Sub-Canopy Species** Densitv Ava. Heiaht scattered clumps of red pine left. A previous timber sale was conducted Red Oak 3 Pole/Sapling 5 Wild Red Raspberry Medium < 5 feet Tall Shru in the mid 1990's which is the origination of most of the advanced regeneration of hardwoods. Since the harvest in 2010 the primary 4 Tall Shrub Quaking Aspen 4 Sapling/Pole Black Cherry Hiah 5 - 10 feet species to regenerate has been black cherry with small amounts of red 30 3 27 < 5 feet Seeding Black Cherry Sapling Ironwood Low pine, beech, and ironwood. This is an ugly stand overall, resembling a U Ironwood 15 Sapling 3 Beech I ow < 5 feet Seeding type in many areas due to the large amount of cherry and low stocking of White Pine 3 other species. It's difficult to tell if the cherry will become merchantable or 1 Sapling remain shrub quality. The soils are pretty good in this area which may Sugar Maple 4 Sapling/Pole 4 allow the cherry to grow better than usual. Other than the cherry though, 2 Red Pine 11 Sapling there isn't much successful regeneration in the stand. Deer and elk 3 browse is very heavy throughout, even noticeable on small beech and Beech 25 Sapling/Pole ironwood. A few clumps of decent hardwood advanced regeneration is 7 Pole/Sapling 5 Red Maple present in the northeast corner of the stand but that's about it. Most of the larger beech have BBD. A few small clones of aspen are present along the northeast edge, next to the pipeline. Collect BA data next entry to get a more accurate representation of the canopy percentages, ocular estimates are hard for young stands such as this. Also, evaluate the cherry as to whether or not it should be considered a part of the canopy or just as a shrub. Sapling Well 79 25 111-140 N/A 4130 - Aspen Young aspen stand that is approaching merchantability. Excellent understory of sugar maple throughout most of the stand, with some of it Size **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height recruiting into the overstory. Scattered, large diameter red pine Ironwood 5 Sapling 3 Red Oak Trace >20 feet Sapling throughout. Trace of basswood (pole), red pine (sapling), white pine (sapling), and pin cherry (3-4" trees). Average ba/acre from 5 plots = 140 White Ash 1 3 >20 feet Tall Shrul Sapling Serviceberry (Juneberry) Low square feet. 15 2 White Ash >20 feet Sapling Sugar Maple Sapling Trace 2 2 Tall Shrub Beech Sapling Black Cherry Trace >20 feet **Bigtooth Aspen** 20 5 Beech Variable Pole/Sapling Low Sapling White Pine 1 XLoa 19 Ironwood Low Variable Sapling 49 Quaking Aspen Sapling/Pole 4 25 Sugar Maple Hiah >20 feet Sapling 20 Red Pine 7 XLog/Log Red Maple Trace >20 feet Sapling 4119 - Mixed Northern Hardwoods 19.4 77 Poletimber Well 81-110 N/A Moderate quality, species diverse hardwood stand. The middle of this stand is on a slight north-south running ridge with gradual slopes going **Canopy Species** % Cover Size Class **DBH** Age Sub-Canopy Species Density Avg. Height Size down to the east and west. The beech component is mostly low quality Basswood 5 Log/XLog 15 White Pine Variable Low Sapling and is most common in the west/southwest part of the stand, with a few pockets where it is dominant. The majority of the beech have BBD and 5 14 Red Oak Log/XLog/Pole Ironwood Medium Variable Sapling Beech 13 8 Red Oak >20 feet Sapling

Trace

Medium

5 - 10 feet

Sapling

are close to death, however there appear to be several resistant stems, two were found in the south end of the stand and there may be more throughout. The aspen component is mostly in the northwest part of the stand. Pine occurs both individually and in small clumps throughout, the largest clump being in the middle of the stand. Although rare, there is a nice component of younger red oak recruiting into the overstory, most seem to be near the middle of the stand. Trace of paper birch. Average ba/acre from 13 plots = 109 square feet. Let the beech component die out and possibly thin next entry if BAs are high enough.

Pole/Log

Log/Pole/XLog

Pole/Loa

Pole/Loa

Pole/Loa

Log/XLog

Pole

13

9

9

8

15

5

77

77

Beech

7

6

46

9

8

1



NE DNE

Stand	Level 4 Co	over Type	Si	ze De	iisity	Acres	Stand Age B	A Range	-	Site	General Comments
109	4130	- Aspen	Sa	wtimb	er Well	53.1	47	141-170	N/A		Nice aspen stand growing on hardwood quality soils. The bigtooth aspen
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	n particular is very high quality. Clearcut in 1976 by Shaw Trucking. Regeneration came back to nearly pure aspen although a nice understory
	Sugar Maple	4	Pole	5		В	Beech	Low	Variable	Sapling	of sugar maple and other hardwoods have filled in over time. The sugar
	Quaking Aspen	33	Pole/Log	9		Blac	k Cherry	Low	Variable	Tall Shrub	maple understory is present in the majority of the stand, but is absent in a
	White Ash	2	Pole	6		Rec	d Maple	Low	>20 feet	Sapling	few areas. Several small nonforested openings are scattered throughout that did not regenerate following the harvest, presumably due to browse.
	Red Maple	2	Pole/Log	8		Amer	rican Elm	Trace	>20 feet	Sapling	Most of these openings are filled with raspberry and/or black cherry.
	American Elm	1	Pole	7		Wh	ite Ash	Medium	>20 feet	Sapling	Numerous vernal pools can be found in the stand and they tend to run in
	Bigtooth Aspen	54	Log/Pole	10	47	Suga	ar Maple	High	>20 feet	Sapling	a north/south line (see leaf-off imagery), with some connecting to the interior wetland pocket (stand #105). The elm component, which appears
	Ironwood	4	Pole	5		Iro	nwood	Medium	>20 feet	Sapling	healthy, is mostly concentrated around these wet areas, although a 15"
											Successful regeneration of this stand is doubtful due to the high deer and elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area
110	42260 - Natural Pir	ne, Mixed [Deciduous Sa	wtimb	er Well	4.7	98	141-170	N/A		elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts.
110		-	Deciduous Sa		er Well			141-170 Density		Size	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees
110	42260 - Natural Pir Canopy Species Red Maple	-				Sub-Can	98 nopy Species g Alder		N/A Avg. Height 10 - 20 feet	Size Tall Shrub	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound
	Canopy Species	% Cover	Size Class	DBH		Sub-Can Tag	nopy Species	Density	Avg. Height		elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north
	Canopy Species Red Maple	% Cover	Size Class	DBH		Sub-Can Taç Bals	nopy Species g Alder	Density Trace	Avg. Height 10 - 20 feet	Tall Shrub	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland
	Canopy Species Red Maple Quaking Aspen	% Cover 21 12	Size Class Log/Pole Log	DBH 11 13		Sub-Can Tag Bals Rec	n opy Species g Alder sam Fir	DensityTraceMedium	Avg. Height 10 - 20 feet Variable	Tall Shrub Sapling	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north
	Canopy Species Red Maple Quaking Aspen Balsam Fir	% Cover 21 12 1	Size Class Log/Pole Log Pole	DBH 11 13 7		Sub-Can Tag Bals Rec Whi	n opy Species g Alder sam Fir d Maple	DensityTraceMediumMedium	Avg. Height 10 - 20 feet Variable >20 feet	Tall Shrub Sapling Sapling	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in
	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine	% Cover 21 12 1 7	 Size Class Log/Pole Log Pole Log/XLog 	DBH 11 13 7 17		Sub-Can Tag Bals Rec Whi	nopy Species g Alder sam Fir d Maple ite Pine	DensityTraceMediumMediumMedium	Avg. Height 10 - 20 feet Variable >20 feet Variable	Tall Shrub Sapling Sapling Sapling	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in
	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar	% Cover 21 12 1 7 3 56	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole	DBH 11 13 7 17 8 16	Age	Sub-Can Tag Bals Rec Whi	a g Alder sam Fir d Maple ite Pine gan Holly	DensityTraceMediumMediumMedium	Avg. Height 10 - 20 feet Variable >20 feet Variable	Tall Shrub Sapling Sapling Sapling	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet.
Nor	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine	% Cover 21 12 1 7 3 56 ch, Hemlo	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole	DBH 11 13 7 17 8 16	98	Sub-Can Tag Bals Rec Whi Michig 5.4	g Alder sam Fir d Maple ite Pine gan Holly	Density Trace Medium Medium Low	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet	Tall Shrub Sapling Sapling Sapling	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has come back almost exclusively to beech.
Nor	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine 4114 - Bee	% Cover 21 12 1 7 3 56 ch, Hemlo	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole	DBH 11 13 7 17 8 16	Age 98 Medium	Sub-Can Tag Bals Rec Whi Michig 5.4 Sub-Can	a Alder sam Fir d Maple ite Pine gan Holly 15 I	Density Trace Medium Medium Medium Low	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet N/A	Tall Shrut Sapling Sapling Sapling Tall Shrut	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has come back almost exclusively to beech. The southern end of the stand has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is
Nor	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine 4114 - Bee Canopy Species	% Cover 21 12 1 7 3 56	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole ck Sa Size Class	DBH 11 13 7 17 8 16	Age 98 Medium	Sub-Can Tag Bals Rec Whi Michig 5.4 Sub-Can Blac	appy Species g Alder sam Fir d Maple ite Pine gan Holly 15 I appy Species	Density Trace Medium Medium Medium Low mmature Density	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet N/A Avg. Height	Tall Shrut Sapling Sapling Sapling Tall Shrut	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has come back almost exclusively to beech. The southern end of the stand has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is scattered throughout. There are also a few red oak saplings and
Nor 111	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine 4114 - Bee Canopy Species Red Oak	% Cover 21 12 1 7 3 56	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole ck Sa Size Class Log/Pole/Sap	DBH 11 13 7 17 8 16 Pling N DBH 15 3 3	Age 98 Medium	Sub-Can Tag Bals Rec Whi Michig 5.4 Sub-Can Blac	appy Species g Alder sam Fir d Maple ite Pine gan Holly 15 I hoppy Species k Cherry	Density Trace Medium Medium Medium Low mmature Density Trace	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet N/A Avg. Height Variable	Tall Shrut Sapling Sapling Tall Shrut Size Tall Shrut	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has come back almost exclusively to beech. The southern end of the stand has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is scattered throughout. There are also a few red oak saplings and poletimber in the south part of the stand that were protected during the
Nor 111	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine 4114 - Bee Canopy Species Red Oak White Pine	% Cover 21 12 1 7 3 56 ch, Hemlo % Cover 8 8 8	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole ck Sap Size Class Log/Pole/Sap Sapling/Pole/Log	DBH 11 13 7 17 8 16 pling N DBH 15 3	Age 98 Medium	Sub-Can Tag Bals Rec Whi Michig 5.4 Sub-Can Blac	appy Species g Alder sam Fir d Maple ite Pine gan Holly 15 I hoppy Species k Cherry	Density Trace Medium Medium Medium Low mmature Density Trace	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet N/A Avg. Height Variable	Tall Shrut Sapling Sapling Tall Shrut Size Tall Shrut	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is scattered throughout. There are also a few red oak saplings and poletimber in the south part of the stand that were protected during the harvest. This stand was formerly coded as a birch stand, no birch regeneration at all. The lack of any other deciduous species regeneration
Nor 111	Canopy Species Red Maple Quaking Aspen Balsam Fir Red Pine orthern White Cedar White Pine 4114 - Bee Canopy Species Red Oak White Pine Bigtooth Aspen	% Cover 21 12 1 7 3 56 ch, Hemlo % Cover 8 8 3 3	Size Class Log/Pole Log Pole Log/XLog Pole/Log Log/XLog/Pole ck Sap Size Class Log/Pole/Sap Sapling/Pole/Log Sapling	DBH 11 13 7 17 8 16 Pling N DBH 15 3 3	Age 98 Medium	Sub-Can Tag Bals Rec Whi Michig 5.4 Sub-Can Blac	appy Species g Alder sam Fir d Maple ite Pine gan Holly 15 I hoppy Species k Cherry	Density Trace Medium Medium Medium Low mmature Density Trace	Avg. Height 10 - 20 feet Variable >20 feet Variable 5 - 10 feet N/A Avg. Height Variable	Tall Shrut Sapling Sapling Tall Shrut Size Tall Shrut	elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts. Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet. This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is scattered throughout. There are also a few red oak saplings and poletimber in the south part of the stand that were protected during the harvest. This stand was formerly coded as a birch stand, no birch

Lovel & Cover Type

Stand

Report 7 – Stands

Managad Site

Acres Stand Age BA Denge

Compartment: 31

Year of Entry: 202

25	DNR MICHIGAN

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	wanaged	Site
112	4130	- Aspen		Poletimb	er Well	7.6	43	141-170	N/A	
Car	nopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size
F	Red Oak	4	Pole/Log	8		Re	ed Maple	Low	>20 feet	Sapling
Bigt	ooth Aspen	63	Pole	8	43	Ire	onwood	Trace	Variable	Sapling
F	Red Pine	2	Log	14			Beech	Medium	Variable	Sapling
W	/hite Pine	3	Pole	7		Sug	gar Maple	Low	>20 feet	Sapling
R	ed Maple	17	Pole	7		W	hite Pine	Trace	Variable	Sapling
Su	gar Maple	5	Pole	7		Maple Le	aved Viburnu	m Low	< 5 feet	Tall Shrub
	Beech	6	Pole	7						

Size Density

Nice aspen stand although diameters tend to vary significantly. In general, aspen diameters in the south half of the stand are much smaller, averaging closer to 6-7" DBH, while the north half is closer to 8-10" DBH. Prominent hardwood influence throughout with some patches of pure hardwoods along the northeast and southeast edges of the stand. Nice component of younger red oak scattered throughout. Trace of log-size red maple and beech. Most beech have BBD. Trace of paper birch poletimber. Average ba/acre from 9 plots = 143 square feet. Previous harvest was a manual clearcut done by DNR staff in 1980. Rolling terrain. This stand could be harvested now but would benefit from another 10 years of growth. Exclude hardwood areas along the east edge.

General Comments

113 42111	- Planted F Decid	,	Mixed Sa	awtimber	Mediu	ım 9.1	92	81-110	N/A	
Canopy S	pecies	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	5 Density	Avg. Height	Size
White Pi	ne	2	XLog/Log	19		Re	d Maple	Trace	>20 feet	Sapling
Red Oa	k	4	Pole/Sapling	g 5		Sug	ar Maple	Trace	>20 feet	Sapling
Ironwoo	d	4	Pole/Sapling	g 5		Re	ed Oak	Trace	>20 feet	Sapling
Red Pin	е	76	XLog/Log	20	92	E	Beech	Medium	Variable	Sapling
Quaking As	spen	12	Pole/Sapling	g 5		Blac	k Cherry	Low	>20 feet	Tall Shrub
Red Map	ole	2	Pole/Sapling	g 5		Quak	ing Aspen	Medium	>20 feet	Sapling
						Iro	nwood	High	Variable	Sapling

Two-aged stand of large diameter red pine with a well developed understory from a previous harvest in the mid 1990's. Variable BAs. Quite a few of the red pine have deformed stems that looks like was caused by porcupines long ago. The young aspen component is most common in the narrow, middle part of the stand where the red pine overstory is much lighter. The far east side of the stand has some pockets of nice hardwood regeneration, including a decent amount of oak. Trace of elm (pole) and paper birch (sap). Average ba/acre from 6 plots = 93 square feet. Records show that the red pine was planted but the stand does not resemble a plantation at all.

Small mixed pine stand with variable stocking. Some scattered areas of
poor overstory stocking with regen filling in some of them. A few strips of
planted red pine on the north side of the road. Some of the jack pine has
died and fallen over. Trace of XL-sized red and white pine. The spruce/fir
component is mostly along the southern edge. Average ba/acre from 5
plots = 60 square feet.

114	42290 - Natu	Iral Mixed	Pine	Poletimber	Mediun	า 2.5	62	51-80	N/A	
	Canopy Species	% Cover	Size Clas	s DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size
	Jack Pine	53	Pole/Log	g 8	62	Ja	ck Pine	Low	Variable	Sapling
	Balsam Fir	2	Pole	5		Bal	sam Fir	Low	Variable	Sapling
	White Pine	26	Pole/Log	g 8		Wh	ite Pine	Medium	Variable	Sapling
	Red Maple	3	Pole/Log	g 8		Re	ed Oak	Trace	>20 feet	Sapling
	Red Pine	10	Pole/Log	g 8		Pap	er Birch	Trace	>20 feet	Sapling
	Black Spruce	5	Pole	6		E	Beech	Trace	Variable	Sapling
	Red Oak	1	XLog	23		Re	d Maple	Trace	>20 feet	Sapling
						Blac	k Cherry	Low	Variable	Tall Shrub

Sapling/Pole

XLog/Log

Sapling/Pole

Sapling/Pole

Sapling

Sapling

Sapling/Pole

4

20

4

3

4

2

3

90

25

Ironwood

White Pine

1

23

18

42

1 3

3

Report 7 – Stands



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
115	4119 - Mixed No	orthern Har	dwoods	Sawtimbe	er Well	83.0	91	81-110	N/A		Moderate quality hardwood stand. Thinned very heavily in 1985 in the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005- 85). BAs have still not recovered to a level close to needing a thinning
	Red Maple	2	Pole/Log	8		Wh	ite Ash	Medium	Variable	Sapling	again. Large, open grown trees common in some spots. Other species
	Red Oak	4	Log/Pole	10		В	leech	Low	Variable	Sapling	that are present but rare include yellow birch, elm, red pine, and white
	Paper Birch	3	Pole	6		Iro	nwood	Medium	Variable	Sapling	pine. WA, IW, and beech dominate regeneration but there are a couple pockets of nice SM advanced regen. Rolling terrain in the south half. 18
	Sugar Maple	53	Log/Pole	10	91					·	BA points taken with an average of 82 sq. ft. per acre (2013 BA data).
	Bigtooth Aspen	7	Log/XLog	15							Take new BA data in 2032.
	Quaking Aspen	2	Pole/Log	9							
	Ironwood	4	Pole/Sapling	j 5							
	Basswood	23	Log	13							
	Beech	2	Log/Pole	11							
116	4133 - Aspe	en, Mixed F	Pine	Sapling	Well	20.1	25	1-50	N/A		Young aspen stand with a second age class of residual red pine
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	scattered throughout. This stand could almost be split into two separate stands based on site quality and understory composition. The north half
	American Elm	1	Pole/Sapling	j 5		Re	d Pine	Trace	10 - 20 feet	Sapling	of the stand has better site quality and is where most of the
	Ironwood	5	Sapling	3		Blac	k Cherry	Low	Variable	Tall Shrub	maple/beech/ironwood understory is located. The south half declines in
	Jack Pine	2	Pole/Sapling	j 5		В	leech	Low	Variable	Sapling	site quality with less hardwoods in the understory and more pine. Trace of residual red oak (log/xlog) and white pine (log/xlog). Rolling terrain.
	Red Oak	1	Sapling	4		Serviceber	rry (Juneberry)	Low	Variable	Tall Shrub	

Medium

Low

>20 feet

5 - 10 feet

Sapling

Sapling

White Pine

Red Pine

Bigtooth Aspen

Quaking Aspen

Red Maple

Beech

Sugar Maple

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Stand	Level 4 C	over Type	:	Size Density	Acres Stand Age B	A Range	Managed	Site	General Comments
117	3205 - Mixed	d Upland Sl	hrub	Nonstocked	3.5 Ur	nspecified	No		This was formerly a forested stand that was clearcut in 1987 in the sale
					Sub-Canopy Species	Density	Avg. Height	Size	Lakehead Aspen South (#53-032-85), but browse has killed most tree species regeneration.
					Sugar Maple	Trace	>20 feet	Log	
					Quaking Aspen	Low	>20 feet	Pole	
					Balsam Poplar	Trace	< 5 feet	Seeding	
					Mixed Grasses	Full	Unspecified	Non-Wood	
					White Pine	Trace	>20 feet	Log	
					Ironwood	Trace	< 5 feet	Seeding	
					White Pine	Low	Variable	Sapling	
					Black Cherry	Low	Variable	Tall Shrub	
					Red Pine	Trace	>20 feet	Log	
					Beech	Trace	< 5 feet	Seeding	
					Red Pine	Trace	Variable	Sapling	
					Bracken Fern	High	Unspecified	Non-Wood	
					Wild Red Raspberry	Medium	< 5 feet	Tall Shrub	
					Bigtooth Aspen	Trace	>20 feet	Pole	
118	2113 - Fo	orage Crop	s	Nonstocked	3.4 Ur	nspecified	Managed C	pening	Managed opening. Can't tell with the snow if this is planted or mowed.
					Sub-Canopy Species	Density	Avg. Height	Size	
					Black Cherry	Trace	>20 feet	Tall Shrub	
					Red Pine	Trace	>20 feet	Log	
119	2113 - Fo	orage Crop	s	Nonstocked	9.4 Ur	nspecified	Managed C	pening	Managed food plot, except for the far north end. A single clump of mature aspen and pine (<1 acre) in the middle of the stand. Clearcut by a DNR
					Sub-Canopy Species	Density	Avg. Height	Size	crew in 1978 with the intention of converting it into an opening.
					Quaking Aspen	Trace	>20 feet	Pole	······································
					Red Pine	Trace	>20 feet	Log	
					Quaking Aspen	Low	>20 feet	Log	
					Jack Pine	Low	>20 feet	Pole	
120	42290 - Nati			letimber Mediu	-	51-80	N/A		This stand was clearcut at the same time as adjacent stand 116 but did not regenerate to aspen. The south half is predominantly pine
	Canopy Species		Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	regeneration. The north half has more of a deciduous species mix. A
	Ironwood	5	Sapling	3	Black Cherry	Low	Variable	Tall Shrub	
(Quaking Aspen	15	Sapling/Pole						the stand sits on a southwest-facing slope. Average ba/acre from 3 plots = 67 square feet.
	Red Pine	15	Sapling/Pole						or oquaro root.
	White Pine	10	Sapling/Pole						
	Jack Pine	49	Pole/Sapling						
	Beech	1	Sapling	2					

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Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed	Site	General Comments
121	42290 - Nati	ural Mixed	Pine Po	letimb	er Poo	r 2.4	24	1-50	N/A		This stand was clearcut at the same time as adjacent stand 116 but did
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	not regenerate well. It has mainly filled in with open-grown, bushy pine. A clump of aspen is present at the northwest corner of the stand and along
	Red Oak	1	Pole	6		Bla	ck Cherry	Low	Variable	Tall Shrub	
	Red Pine	14	Pole/Sap/Log	6							stand. Average ba/acre from 5 plots = 54 square feet.
	Bigtooth Aspen	20	Pole/Log	8							
	White Pine	49	Sapling/Pole/Log	j 4	24						
	Jack Pine	16	Pole/Sapling	5							
122	4319 - Mixeo	d Upland Fo	orest S	Sapling	Well	84.1	27	1-50	N/A	L .	The majority of this regeneration originated following a partial harvest in
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the mid 1990's. A large amount of the red pine overstory was then removed in 2005, with the exception of scattered red pine leave trees.
	Ironwood	4	Sapling	3		W	hite Pine	Low	5 - 10 feet	Sapling	The residual red pine equals about 10 square feet (higher in some areas)
	Red Maple	16	Sapling	3		Servicebe	erry (Juneberry)	Trace	Variable	Tall Shrub	and averages around 15" DBH. There is also a light residual of log-size
	Bigtooth Aspen	6	Sapling/Pole	4			Beech	Low	5 - 10 feet	Sapling	white pine and red oak as well. MiFI won't let me enter these into the canopy data without changing the stand size class. Regeneration of pine.
	Red Oak	4	Log/XLog	15		In	onwood	Low	5 - 10 feet	Sapling	specifically red pine, is quite impressive and can be found in most parts
	Quaking Aspen	2	Sapling/Pole	3		Bla	ck Cherry	Low	Variable	Tall Shrub	of the stand. Red maple regen is most prevalent in the southwest part of
	White Pine	20	Sapling/Pole	3							¹ the stand. Aspen regen is limited to a few small clones in the northeast part. Beech and ironwood increase as you move west and north. Trace o
	Jack Pine	6	Sapling	3							sugar maple, red oak, and paper birch saplings and poletimber. Rolling
	Red Pine	33	Sapling/Pole	3	27						terrain. Collect BA data next entry to get a more accurate representation
	Beech	9	Sapling	3							of the canopy percentages, ocular estimates are hard for young, diverse stands such as this.
123	4130	- Aspen	Pc	letimb	er Wel	l 6.7	25	51-80	N/A		Well-stocked aspen stand that is just approaching merchantability,
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	although diameters tend to vary significantly throughout the stand. Site guality becomes better as you move north with more of a hardwood
	American Elm	1	Pole	6		Bla	ck Cherry	Medium	Variable	Tall Shrub	influence in the understory. Trace of balsam fir and red oak (XL-log) in
	Quaking Aspen	39	Sapling/Pole	4		In	onwood	Medium	Variable	Sapling	the overstory. Average ba/acre from 7 plots = 74 square feet. A few
											soosopally wat aroos in the parth half of the stand

Trace

Variable

Sapling

ounopy openies	/0 00101	0120 01000	0011	Age.	ous ounopy openes	Demoncy	Avg. noight	0120	quality be
American Elm	1	Pole	6		Black Cherry	Medium	Variable	Tall Shrub	
Quaking Aspen	39	Sapling/Pole	4		Ironwood	Medium	Variable	Sapling	the overs
White Pine	7	Log/Pole/XLog	13		Beech	Low	Variable	Sapling	seasonall
Ironwood	2	Sapling	3		American Elm	Trace	Variable	Sapling	
Bigtooth Aspen	44	Pole/Sapling	6	25	White Pine	Trace	Variable	Sapling	
Red Pine	2	Log/XLog/Pole	16		White Ash	Medium	< 5 feet	Seeding	
Balsam Poplar	5	Pole/Sapling	5		White Ash	Medium	Variable	Sapling	
	·				Serviceberry (Juneberry)	Low	Variable	Tall Shrub	

Red Pine

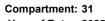
rstory. Average ba/acre from 7 plots = 74 square feet. A few ally wet areas in the north half of the stand.

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Stand	Level 4 Cover Type Si		Size De	nsity	Acres	res Stand Age BA Range Managed Site			Site	General Comments				
124	4130	- Aspen	P	oletimb	er Well	21.4	36	111-140	N/A		Emerging poletimber stand that is nearly pure aspen. Clearcut in 1987 b			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Quality Chips Company in the sale Lakehead Aspen South (#53-032-85). Hardwood site quality so aspen growth is good in most places, although			
E	Bigtooth Aspen	86	Pole/Sapling	7	36	W	nite Pine	Trace	Variable	Sapling	diameters tend to vary a lot throughout the stand. A decent amount			
	Ironwood	3	Pole/Sapling	5		R	ed Pine	Trace	Variable	Sapling	(maybe 5%) of the bigtooth stems have lower bole damage and rot, li			
E	Balsam Poplar	3	Pole/Sapling	6		Sugar Maple Trace >20 feet			>20 feet	Sapling	from past elk browse damage. A few small, non-forested openings scattered throughout. Trace of red oak (pole), white ash (pole), red pine			
C	Quaking Aspen	8	Pole/Sapling	5		Bla	ck Cherry	Low	Variable	Tall Shrub	log/pole), beech (pole), and white pine (log/pole). Average ba/acre from			
						W	hite Ash	Medium	< 5 feet	Seeding	10 plots = 127 square feet. Rolling terrain. This stand should be ready for			
						Ire	onwood	Medium	Variable	Sapling	a harvest next entry. Manage with surrounding aspen stands in order to spread out browse pressure.			
						W	hite Ash	Low	Variable	Sapling	spiead out blowse plessure.			
						R	ed Oak	Trace	>20 feet	Sapling				
							Beech	Low	Variable	Sapling				
125	4130	- Aspen	P	oletimb	er Well	7.7	36	81-110	N/A		Pretty good quality younger aspen stand. Clearcut in 1987 by Quality			
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Chips Company in the sale Lakehead Aspen South (#53-032-85). Little species diversity as the stand is almost pure aspen. Quaking aspen is			
C	Quaking Aspen	53	Pole/Sapling	6	36	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub				
	Red Pine	1	Pole	6		Servicebe	erry (Juneberry) Low	Variable	Tall Shrub	diameters tend to vary significantly. The majority of the pine is on the			
	White Pine	2	Pole/Log	8		Hawt	horn (spp.)	Trace	5 - 10 feet	Tall Shrub	west edge of the stand. A large vernal pool is present at the northeast side near the pipeline. There is also some seasonally wet ground at the			
	Jack Pine	1	Pole	6		Black Cherry White Pine		Medium	Variable	Tall Shrub	far southern end where the seep from stand 128 drains into this stand.			
E	Bigtooth Aspen	43	Pole/Sap/Log	7				Trace	Variable	Sapling	Most witch hazel can be found in the northeast portion of the stand.			
											Average ba/acre from 6 plots = 105 square feet. Rolling terrain. This stand should be ready for a harvest in 10 years. Protect the wet areas.			
126	3205 - Mixe	d Upland Sł	hrub	Nonsto	cked	6.4	L	Inspecified	No		This was formerly a forested stand that was clearcut in 1987 in the sale			
					[Sub-Ca	nopy Species	Density	Avg. Height	Size	Lakehead Aspen South (#53-032-85, Quality Chips Company) but browse has killed most tree regeneration.			
						R	ed Pine	Trace	Variable	Sapling				
						Sug	jar Maple	Trace	>20 feet	Log				
						Bla	ck Cherry	Trace	Variable	Tall Shrub				
						Mixe	d Grasses	High	Unspecified	Non-Wood				
						W	nite Pine	Trace	>20 feet	Pole				
					-	Bra	cken Fern	High	Unspecified	Non-Wood				
					ľ	Ba	isswood	Trace	>20 feet	Log				
					-	Blackbe	rry/Raspberry	Low	< 5 feet	Tall Shrub				
											4			
						W	nite Pine	Low	Variable	Sapling				



DNR

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Stand	d Level 4 C	over Type	S	Size Density Acres Stand Age BA Range Managed Site						lite	General Comments			
27	4199 - Other Mixe	d Upland C	eciduous Po	oletimb	er Well	17.2	94	111-140	N/A		Mixed oak/hardwood stand. The oak component is high quality for the most part. Despite being the same age as the oak, the hardwood			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canop	by Species	Density	Avg. Height	Size	component (with the exception of basswood) is very small diameter for i			
	Bigtooth Aspen	3	Log/Pole	12		Bee	ech	Low	>20 feet	Sapling	age. Stem quality seems ok, just for whatever reason the maple growth			
	Sugar Maple	27	Pole/Sap/Log	7		Red M	laple	Medium	>20 feet	Sapling	seems to be stunted. Paper birch used to be a larger component of the			
	Beech	5	Pole/Sap/Log	7		Sugar I	Maple	Medium	>20 feet	Sapling	stand but it is now mostly all dead. Average ba/acre from 10 plots = square feet. All of the stand sits on a gradual east facing slope. At the			
	White Pine	1	Log	15							time the stand qualifies for a thinning but it would be a TSI cut with only			
	Red Pine	1	Log/XLog	15							small diameter hardwood stems needing to be removed. Wait another			
	Red Oak	40	Log/XLog	15	94						ten years for the hardwoods to put on more growth and then prescribe a thinning.			
	Red Maple	18	Pole/Sap/Log	7	94						anning.			
	Paper Birch	1	Pole/Log	9										
	Basswood	4	Log/Pole	11										
128	42290 - Natu	ıral Mixed I	Pine Po	letimb	er Poor	3.1	34	1-50	N/A		This stand was clearcut at the same time as stand 131 to the south but			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canop	oy Species	Density	Avg. Height	Size	did not regenerate well. It has filled in with mostly bushy, open-grown pine. Average ba/acre from 4 plots = 40 square feet. There is a wet,			
	Red Pine	20	Pole/Sap/Log	6		Black C	Cherry	Low	Variable	Tall Shrub	elevated seep in the narrow middle part of the stand, that drains down			
	White Pine	58	Pole/Sap/Log	6	34						into stand 25 (A6).			
	Bigtooth Aspen	5	Pole/Log	8										
	Jack Pine	17	Pole/Sapling	5										
129	2113 - Fo	orage Crops	S	Nonsto	ocked	5.5		nspecified	Managed Opening		Managed opening.			
						Sub-Canop		Density	Avg. Height	Size				
						Red I	Pine	Trace	>20 feet	Log				
130	4311 - Pin	e, Aspen N	lix Sa	awtimb	er Well	1.0	76	81-110	N/A		Small stand of mature pine and aspen. Jack pine is mostly in the north			
	0	% Cover				Sub Canor	by Species		Ave Haight		half, there was previously more in the stand but some have died. Red			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Callop		Density	Avg. Height	Size	maple is only in the south half. Trace of large diameter black cherry and			
	Red Maple	11	Log/Pole	DBH 13	Age	White		Density Medium	Variable	Size Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump			
					Age		Pine			1	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a			
	Red Maple	11	Log/Pole	13	Age	White	Pine Pine	Medium	Variable	Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No			
	Red Maple Red Oak	11 2	Log/Pole Log	13 14 9	Age	White Jack	Pine Pine Pine	Medium Low	Variable Variable	Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree at			
	Red Maple Red Oak Quaking Aspen	11 2 26	Log/Pole Log Pole/Log	13 14 9 16	76	White Jack Red I	Pine Pine Pine	Medium Low Trace	Variable Variable Variable	Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No			
	Red Maple Red Oak Quaking Aspen Red Pine	11 2 26 12	Log/Pole Log Pole/Log Log/XLog/Pole	13 14 9 16		White Jack Red I	Pine Pine Pine	Medium Low Trace	Variable Variable Variable	Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No			
	Red Maple Red Oak Quaking Aspen Red Pine White Pine	11 2 26 12 28	Log/Pole Log Pole/Log Log/XLog/Pole Log/XLog/Pole	13 14 9 16 12		White Jack Red I	Pine Pine Pine	Medium Low Trace	Variable Variable Variable	Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Bigtooth Aspen	11 2 26 12 28 19	Log/Pole Log Pole/Log Log/XLog/Pole Cog/XLog/Pole Log/Pole	13 14 9 16 12 8 11		White Jack Red I	Pine Pine Pine ech	Medium Low Trace	Variable Variable Variable	Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree at the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention.			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Bigtooth Aspen	11 2 26 12 28 19 2 2 - Aspen	Log/Pole Log Pole/Log Log/XLog/Pole Cog/XLog/Pole Log/Pole	13 14 9 16 12 8 11 0letimb	76	White Jack Red I Bee	Pine Pine Pine ech 36	Medium Low Trace Trace	Variable Variable Variable Variable	Sapling Sapling Sapling	sprout clump in the middle of the stand and one single-stemmed tree at the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention. Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-85			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Bigtooth Aspen 4130	11 2 26 12 28 19 2 2 - Aspen	Log/Pole Log Pole/Log Log/XLog/Pole Pole/Log Log/Pole	13 14 9 16 12 8 11 0letimb	76 er Well	White Jack Red F Bee	Pine Pine Pine ech 36 oy Species	Medium Low Trace Trace	Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention. Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-88 Diameters tend to vary significantly, with the largest trees at the			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Bigtooth Aspen 4130 Canopy Species	11 2 26 12 28 19 2 - Aspen % Cover	Log/Pole Log Pole/Log Log/XLog/Pole Pole/Log Log/Pole Pole Size Class	13 14 9 16 12 8 11 bletimb	76 er Well	White Jack Red F Bee 2.4 Sub-Canop	Pine Pine Pine ech 36 36 Cherry	Medium Low Trace Trace	Variable Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. N management due to the small size, serves well as retention. Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-8 Diameters tend to vary significantly, with the largest trees at the northwest corner of the stand. A clump of white pine at the south end of varying diameters. A few nice red oak saplings. Trace of white spruce,			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Jack Pine Bigtooth Aspen 4130 Canopy Species Red Maple	11 2 26 12 28 19 2 - Aspen % Cover 3	Log/Pole Log Pole/Log Log/XLog/Pole Pole/Log Log/Pole Size Class Pole/Sapling	13 14 9 16 12 8 11 11 0letimb 5	76 er Well	White Jack Red I Bee 2.4 Sub-Canop Black (Pine Pine Pine ech 36 59 Species Cherry vood	Medium Low Trace Trace 111-140 Density Low	Variable Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention. Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-8: Diameters tend to vary significantly, with the largest trees at the northwest corner of the stand. A clump of white pine at the south end of varying diameters. A few nice red oak saplings. Trace of white spruce, red pine, and jack pine poletimber. Average ba/acre from 4 plots = 115			
131	Red Maple Red Oak Quaking Aspen Red Pine White Pine Jack Pine Jack Pine Bigtooth Aspen 4130 Canopy Species Red Maple White Pine	11 2 26 12 28 19 2 - Aspen % Cover 3 7	Log/Pole Log Pole/Log Log/XLog/Pole Pole/Log Log/Pole Size Class Pole/Sapling Pole/SaplLog	13 14 9 16 12 8 11 0letimb 5 5 7	76 er Well	White Jack Red I Bee 2.4 Sub-Canop Black C	Pine Pine Pine ech 36 36 59 Species Cherry 700d Oak	Medium Low Trace Trace 111-140 Density Low Low	Variable Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Sapling Sapling Sapling	paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree a the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention. Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-88 Diameters tend to vary significantly, with the largest trees at the northwest corner of the stand. A clump of white pine at the south end o			

Compartment: 31 Year of Entry: 2025

General Comments Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4130 - Aspen Poletimber Well 22.6 36 81-110 N/A This stand was clearcut in 1987 in the sale Lakehead Aspen South 132 (Quality Chips Company, #53-032-85), Aspen regenerated well % Cover Size Class **Canopy Species** DBH Age **Sub-Canopy Species** Densitv Avg. Height Size throughout the entire stand. Diameters tend to vary in the stand with best Pole/Sapling 6 Red Maple Medium >20 feet Sapling Quaking Aspen 8 growth and guality in the far west side of the stand, and small diameters in the very narrow part of the stand. Average ba/acre from 8 plots = 832 6 Jack Pine Pole Red Pine Trace Variable Sapling square feet. Mostly flat terrain except for the far western end. This stand Red Pine 2 6 Pole White Pine Medium Variable Sapling will need at least another 10 years of growth before ready for a harvest. **Bigtooth Aspen** 68 Pole/Sapling 6 36 Black Cherry I ow Variable Tall Shrub 2 7 Red Oak Pole White Pine 5 Pole/Sapling 5 Red Maple 13 Sapling/Pole 4 92 42110 - Planted Red Pine Sawtimber Medium 10.5 111-140 N/A Everything but red pine, white pine, and red oak were cut out of this 133 stand in 2007 in the sale Valley Combo (# 53-003-05-01), bought by **Canopy Species** % Cover Size Class **DBH** Age Sub-Canopy Species Densitv Ava. Heiaht Size Tulgetstka. Some white pine has regenerated but that's about it. Where Red Oak 5 - 10 feet Sapling 14 Loa/XLoa/Pole 13 White Pine Medium red maple seedlings are present, they are being heavily browsed. Residual basal areas vary considerably as do diameters. In general, White Pine Log/Pole/XLog 13 20 White Pine Medium < 5 feet Seeding stocking is much lower in the south/southwest part of the stand. The east Red Pine 66 Log/Pole 12 92 Red Pine low 5 - 10 feet Sapling side of the stand has an area of large diameter, densely-stocked mixed Red Pine < 5 feet Seeding Trace pine that had minimal trees removed. Red pine diameters tend to be a lot smaller in the west side of the stand. There are a handful of large Jack Pine Trace 5 - 10 feet Sapling diameter (18"+) relic red pine in the stand. Planting records exist for this Beech Low < 5 feet Seeding area although this stand does not resemble a plantation at all. Average Red Maple Low < 5 feet Seeding ba/acre from 5 plots = 120 square feet. 36 134 4130 - Aspen Poletimber Well 13.5 81-110 N/A Clearcut in 1987 in the sale Lakehead Aspen South (Quality Chips Company, #53-032-85). The stand regenerated well to mostly aspen. **Canopy Species** % Cover Size Class **DBH** Age Sub-Canopy Species Density Avg. Height Size although the east running finger of the stand has more red maple. Trace **Bigtooth Aspen** 61 Pole/Sapling 5 36 Black Cherry Low 5 - 10 feet Tall Shrul of jack pine in the overstory. An old road runs east-west at the western part of the stand as well as the north end (see 98DOQ imagery). This 2 7 Red Oak Pole Red Maple Medium >20 feet Sapling stand needs at least another 10 years of growth, maybe 20. 7 White Pine 10 Pole/Sap/Log White Pine I ow Variable Sapling 6 Quaking Aspen 15 Pole/Sapling Beech Trace Variable Sapling 2 7 Red Pine Pole Witch Hazel Trace 10 - 20 feet Tall Shrub 10 5 Variable Red Maple Pole/Sapling Red Pine Trace Sapling 4199 - Other Mixed Upland Deciduous 84 81-110 135 Sawtimber Well 17.0 N/A Mixed species stand of varying guality. Oak and pine show the best growth on this site. The majority of the oak is high guality and vigorous. **Canopy Species** % Cover Size Class Size **DBH** Age Sub-Canopy Species Density Avg. Height although there are some stems showing signs of decline. Oak

Paper Birch 4 Log 11 Beech High 5 - 10 feet Sapling concentration is highest in the middle and south parts of the stand. Red maple and beech diameters vary significantly, in areas with a high oak Red Pine 6 Log/XLog/Pole 13 Red Oak >20 feet Sapling Trace component many of the beech and red maple stems are barely 5 8 Sugar Maple Pole/Loa White Pine Low Variable Sapling merchantable. Sugar maple is mostly at the northeast side of the stand Pod Mapla 30 Polo/Log Q Ironwood Variable Low Sapling where there is a pocket of better quality hardwoods. A small inclusion of nearly pure pine is present at the northwest corner. The remainder of the

ited wapie	30	F OIE/LOg	0		
White Pine	6	Log/Pole/XLog	11		
Beech	12	Pole/Log	8		
Red Oak	34	Log/XLog/Pole	14	84	
Bigtooth Aspen	3	Log/Pole	11		

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108 square feet.

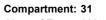
pine is mostly at the far southern end of the stand. A second age class of younger oak in the sapling and poletimber size classes is present, although rare, and mostly concentrated in the southeast part of the stand adjacent to the pipeline, where there are some areas of lower stocking. Trace of guaking aspen in the overstory. Average ba/acre from 11 plots =

Compartment: 31

Year	of	Entry:	2025
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Or NATURAL PRODUCT

Stand	Level 4 C	over Type	Si	ize De	nsity	Acres Stand Age BA	A Range	Managed S	Site	General Comments	
136	4191 - Mixed Upla Co	and Decidu onifer	ious with Po	letimb	er Well	8.8 89	81-110	N/A		Mixed species, 2-aged stand. Everything except oak, red pine, and white pine was cut out of this stand in 1987. Some areas of the stand are	
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	nearly pure oak so not much was removed. The younger aspen is mostly in the north 1/2 of the stand. Some oak did regenerate throughout and is	
	Red Oak	48	Log/XLog/Pole	14	89	White Pine	Medium	Variable	Sapling	in the poletimber and small sawlog size classes. The component of	
	Red Pine	5	Log/Pole	13		Red Maple	Low	>20 feet	Sapling	younger white pine is starting to recruit into the overstory. Average	
	Bigtooth Aspen	19	Pole/Sapling	6	35	Beech	Low	Variable	Sapling	ba/acre from 5 plots = 98 square feet. Don't manage until the 2nd age class matures.	
	Red Maple	10	Pole/Sapling	6			1				
137	137 4311 - Pine, Aspen Mix Poletimber W		er Well	4.4 62	111-140	N/A		Mix of species. White pine dominant in the east 1/3rd of the stand. The			
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	appears to be 2 age classes of aspen as it looks like portions of this stand had a partial harvest at one time. Average ba/acre from 5 plots =	
	Paper Birch	2	Pole/Log	8		Beech	Low	Variable	Sapling	126 square feet. This stand was left as retention for the adjacent harvest	
	Red Pine	2	Log/XLog	17		White Pine	Medium	>20 feet	Sapling	in stand 56 to the south and stand 6 to the east in Compartment 34.	
	Quaking Aspen	10	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling		
	Red Maple	18	Pole	8		Red Maple	Low	>20 feet	Sapling		
	Sugar Maple	1	Log	13							
	Bigtooth Aspen	18	Pole/Log	8	62						
	Balsam Fir	7	Pole	6							
	Red Oak	1	Log	12							
	White Pine	41	Log/Pole/XLog	11	62						
138	3205 - Mixed	d Upland S	hrub l	Nonsto	cked	1.4 Ur	nspecified	No		This was formerly a forested stand that was clearcut but browse eliminated most tree regeneration.	
						Sub-Canopy Species	Density	Avg. Height	Size		
						White Pine	Trace	1 /			
						WHILE I HIE		Variable	Sapling		
						Mixed Grasses	High	Unspecified	Sapling Non-Wood		
					-	Mixed Grasses	High	Unspecified	Non-Wood		
139	4199 - Other Mixe	d Upland [)eciduous Pole	timber	Mediu	Mixed Grasses White Pine Bracken Fern	High Trace	Unspecified >20 feet	Non-Wood Pole	This stand was manually cut by a DNR crew in 1975. Some scattered	
139	4199 - Other Mixe Canopy Species		Deciduous Pole r Size Class	etimber DBH		Mixed Grasses White Pine Bracken Fern	High Trace High	Unspecified >20 feet Unspecified	Non-Wood Pole	residual beech, oak, and maple were left. Regeneration came back well	
139						Mixed Grasses White Pine Bracken Fern m 7.4 48	High Trace High 51-80	Unspecified >20 feet Unspecified N/A	Non-Wood Pole Non-Wood	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak	
139	Canopy Species	% Cover	r Size Class	DBH	Age	Mixed Grasses White Pine Bracken Fern m 7.4 48 Sub-Canopy Species	High Trace High 51-80 Density	Unspecified >20 feet Unspecified N/A Avg. Height	Non-Wood Pole Non-Wood	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still	
139	Canopy Species Ironwood	% Cover 30	r Size Class Pole/Sapling	DBH 5	Age	Mixed Grasses White Pine Bracken Fern m 7.4 48 Sub-Canopy Species Beech	High Trace High 51-80 Density Medium	Unspecified >20 feet Unspecified N/A Avg. Height Variable	Non-Wood Pole Non-Wood Size Sapling	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still some red oak too. Most beech have BBD, with some already dead.	
139	Canopy Species Ironwood Jack Pine	% Cover 30 1	r Size Class Pole/Sapling Pole/Log	DBH 5 8	Age	Mixed Grasses White Pine Bracken Fern m 7.4 48 Sub-Canopy Species Beech Red Oak	High Trace High 51-80 Density Medium Trace	Unspecified >20 feet Unspecified N/A Avg. Height Variable >20 feet	Non-Wood Pole Non-Wood Size Sapling Sapling	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still	
139	Canopy Species Ironwood Jack Pine Paper Birch	% Cover 30 1 1	r Size Class Pole/Sapling Pole/Log Pole	DBH 5 8 6	Age	Mixed Grasses White Pine Bracken Fern m 7.4 48 Sub-Canopy Species Beech Red Oak Ironwood	High Trace High 51-80 Density Medium Trace Medium	Unspecified >20 feet Unspecified N/A Avg. Height Variable >20 feet >20 feet	Non-Wood Pole Non-Wood Size Sapling Sapling Sapling	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still some red oak too. Most beech have BBD, with some already dead. Found two white ash that are still alive (8" and 11"). Trace of red pine in	
139	Canopy Species Ironwood Jack Pine Paper Birch White Pine	% Cover 30 1 2	Size Class Pole/Sapling Pole/Log Pole Log/Pole/XLog	DBH 5 8 6 13	Age 48	Mixed Grasses White Pine Bracken Fern 7.4 48 Sub-Canopy Species Beech Red Oak Ironwood Striped Maple	High Trace High 51-80 Density Medium Trace Medium	Unspecified >20 feet Unspecified N/A Avg. Height Variable >20 feet >20 feet Variable	Non-Wood Pole Non-Wood Sapling Sapling Sapling Sapling Sapling	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still some red oak too. Most beech have BBD, with some already dead. Found two white ash that are still alive (8" and 11"). Trace of red pine in the overstory. Average ba/acre from 7 plots = 71 square feet. Rolling	
139	Canopy Species Ironwood Jack Pine Paper Birch White Pine Sugar Maple	% Cover 30 1 2 11	 Size Class Pole/Sapling Pole/Log Pole Log/Pole/XLog Log/Pole 	DBH 5 8 6 13 12	Age 48	Mixed Grasses White Pine Bracken Fern m 7.4 48 Sub-Canopy Species Beech Beech Red Oak Ironwood Striped Maple Red Maple	High Trace High 51-80 Density Medium Trace Medium Trace Low	Unspecified >20 feet Unspecified N/A Avg. Height Variable >20 feet Variable >20 feet	Non-Wood Pole Non-Wood Size Sapling Sapling Sapling Sapling Sapling	residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still some red oak too. Most beech have BBD, with some already dead. Found two white ash that are still alive (8" and 11"). Trace of red pine in the overstory. Average ba/acre from 7 plots = 71 square feet. Rolling	



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	Figeon River G		gi. Unit							Year of Entry: 2025
Stand	Level 4 Co	over Type	Si	Size Density		Acres Stand Age E	BA Range	Managed	Site	General Comments
140	4119 - Mixed No	orthern Ha	rdwoods Po	oletimb	er Well	31.6 91	111-140	N/A		Hardwood stand of varying composition and quality. The middle of the
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	stand sits on somewhat of a ridgetop with slopes going down to the west/northwest/southeast. Quality is best on the ridgetops and east
	Paper Birch	2	Log/Pole	11		Ironwood	Low	Variable	Sapling	facing slopes. West facing slopes adjacent to the pipeline are lower
	Beech	17	Pole/Log/XLog	9		Beech	High	5 - 10 feet	Sapling	quality and have more of a red maple/beech mix. Beech is abundant in
	Quaking Aspen	1	Log/Pole	11		Red Oak	Trace	>20 feet	Sapling	areas. Most have BBD with several already being dead. However, it looks like there are a few resistant stems. The far north end has areas of low
	Red Oak	8	XLog/Log/Pole	19		White Pine	Trace	Variable	Sapling	
	Ironwood	1	Pole	5						very large diameter red oak in the stand. Although rare, there is a second
	Basswood	12	Log/XLog/Pole	13						age class of younger red oak in the sapling and poletimber size classes, which can be found mostly along the pipeline edge. Average ba/acre
	Bigtooth Aspen	2	Log/XLog	13						from 15 plots = 111 square feet. The only records of a harvest are of a
	Red Maple	14	Log/Pole	10						TSI done in 1975.
	Red Pine	1	Log	14						
	Sugar Maple	40	Pole/Log/XLog	8	91					
	White Pine	2	Log/XLog/Pole	15						
141	4133 - Aspe Canopy Species	en, Mixed F % Cover		Sapling	Well Aae	2.5 15 Sub-Canopy Species	Immature Density	N/A Avg. Height	Size	This stand was cut in 2007 in the sale Valley Combo (Tulgestka, #53-00 01). Variable sizes of white pine were left. Aspen came back moderately
	White Pine	28	Pole/Sap/Log	6	Age	White Pine	Low	5 - 10 feet	Sapling	well. A little bit of red oak regen on the west edge near the road. More beech regen the further east you go.
	Red Oak	1	Sapling	2		Maple Leaved Viburnum		< 5 feet	Tall Shruk	5 , 5
	Bigtooth Aspen	55	Sapling	2	15	Black Cherry	Low	Variable	Tall Shruk	
	Beech	11	Sapling	1		Beech	Low	5 - 10 feet	Sapling	
	Striped Maple	3	Sapling	2						
	Red Pine	2	Log	14						
		-	9							
142	4199 - Other Mixe	d Upland [Deciduous Po		er Well	7.1 54	81-110	N/A		Two-aged stand that is a mix of hardwoods and aspen. The younger age \neg class is mostly some scattered clones of aspen, although there are also
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	some younger red maple and red oak stems as well. Some older aspen
	Bigtooth Aspen	28	Pole/Log	9	54	Red Oak	Low	>20 feet	Sapling	is present at the north end of the stand. Most beech in the stand have
	Basswood	1	Log	12		Striped Maple	Low	Variable	Sapling	BBD although there may be a few resistant trees. Trace of paper birch. A
	Red Maple	20	Log/Pole	10		White Pine	Trace	Variable	Sapling	large, double-stemmed serviceberry (8"+ DBH) is along the northern edge. Average ba/acre from 5 plots = 104 square feet. The entire stand
	Beech	18	Log/Pole	12		Beech	High	Variable	Sapling	sits on a gradual west-facing side-slope.
	Red Oak	8	Pole/Log/XLog	9		Ironwood	Low	Variable	Sapling	
								1		

Medium

>20 feet

Sapling

Ironwood

Sugar Maple

Quaking Aspen

White Pine

1

18

4

2

5

8

10 100

Pole

Log/Pole/XLog

Pole/Log

Log/Pole/XLog 11

Red Maple

1-50

N/A

Compartment: 31

Year of Entry: 2025

Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments	HIGAN
4311 - Pine	e, Aspen M	ix Pole	etimbe	r Medium	n 4.4	24	1-50	N/A		,	
anopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size		
White Pine	29	Pole/Sap/Log	5	24		Beech	Low	5 - 10 feet	Sapling		
uaking Aspen	3	Sapling/Pole	4		In	onwood	Low	5 - 10 feet	Sapling		
Basswood	1	Log/XLog	16		Bla	ck Cherry	Medium	Variable	Tall Shrub		
Ironwood	18	Sapling	3		W	hite Pine	Low	Variable	Sapling	There are a few black cherry stems that look like they will be	
Sugar Maple	3	Log/XLog	14							merchantable quality but the majority will probably only attain shrub	
igtooth Aspen	22	Pole/Log	8								
Beech	1	Sapling/Pole	4								
Red Pine	20	Sapling/Pole	4							•	
Black Cherry	3	Sapling	3								ı it
	4311 - Pine anopy Species White Pine uaking Aspen Basswood Ironwood Sugar Maple igtooth Aspen Beech Red Pine	4311 - Pine, Aspen M anopy Species % Cover White Pine 29 uaking Aspen 3 Basswood 1 Ironwood 18 Sugar Maple 3 igtooth Aspen 22 Beech 1 Red Pine 20	4311 - Pine, Aspen MixPoleCanopy Species% CoverSize ClassWhite Pine29Pole/Sap/Loguaking Aspen3Sapling/PoleBasswood1Log/XLogIronwood18SaplingSugar Maple3Log/XLogigtooth Aspen22Pole/LogBeech1Sapling/PoleRed Pine20Sapling/Pole	4311 - Pine, Aspen MixPoletimber4311 - Pine, Aspen MixPoletimberSize ClassDBHWhite Pine29Pole/Sap/Log5uaking Aspen3Sapling/Pole4Basswood1Log/XLog16Ironwood18Sapling3Sugar Maple3Log/XLog14igtooth Aspen22Pole/Log8Beech1Sapling/Pole4Red Pine20Sapling/Pole4	4311 - Pine, Aspen MixPoletimber Mediumcanopy Species% CoverSize ClassDBHAgeWhite Pine29Pole/Sap/Log524uaking Aspen3Sapling/Pole44Basswood1Log/XLog164Ironwood18Sapling34Sugar Maple3Log/XLog144Beech1Sapling/Pole44Red Pine20Sapling/Pole44	4311 - Pine, Aspen Mix Poletimber Medium 4.4 Water Price Velocitation 4.4 Size Class DBH Age White Pine 29 Pole/Sap/Log 5 24 uaking Aspen 3 Sapling/Pole 4 In Basswood 1 Log/XLog 16 Bla Ironwood 18 Sapling 3 W Sugar Maple 3 Log/XLog 14 In igtooth Aspen 22 Pole/Log 8 In Beech 1 Sapling/Pole 4 In Red Pine 20 Sapling/Pole 4 In	A 1 - Pine, Aspen MixPoletimber Medium4.4244311 - Pine, Aspen MixPoletimber Medium4.424canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesWhite Pine29Pole/Sap/Log524Beechuaking Aspen3Sapling/Pole444Basswood1Log/XLog16Black CherryIronwood18Sapling3White PineSugar Maple3Log/XLog144igtooth Aspen22Pole/Log8Beech1Sapling/Pole44Red Pine20Sapling/Pole44	A colspan="4">Colspan="4">Colspan="4"4311 - Pine, Aspen MixPoletimber Medium4.4241-50Sanopy SpeciesOewerSize ClassDBHAgeSub-Canopy SpeciesDensityWhite Pine29Pole/Sap/Log524BeechLowuaking Aspen3Sapling/Pole4IronwoodLowBasswood1Log/XLog16Black CherryMediumIronwood18Sapling3White PineLowSugar Maple3Log/XLog14IronwoodLowBeech1Sapling/Pole4IronwoodLowRed Pine20Sapling/Pole4IronwoodIronwood	4311 - Pine, Aspen MixPoletimber Medium4.4241-50N/ACanopy Species% CoverSize ClassDBHAgeWhite Pine29Pole/Sap/Log524BeechLow5 - 10 feetuaking Aspen3Sapling/Pole44IronwoodLow5 - 10 feetBasswood1Log/XLog16Black CherryMediumVariableIronwood18Sapling3White PineLowVariableSugar Maple3Log/XLog14IronwoodLowVariableBeech1Sapling/Pole4IronwoodKeiteriaKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodKeiteriaBeech1Sapling/Pole4IronwoodBeech	4311 - Pine, Aspen Mix Poletimber Medium 4.4 24 1-50 N/A canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size White Pine 29 Pole/Sap/Log 5 24 Beech Low 5 - 10 feet Sapling uaking Aspen 3 Sapling/Pole 4 4 4 Cover Size Density Avg. Height Size Basswood 1 Log/XLog 16 Black Cherry Medium Variable Tall Shruth Ironwood 18 Sapling 3 Medium Variable Sapling Sugar Maple 3 Log/XLog 14 Medium Variable Sapling Beech 1 Sapling/Pole 8 Medium Variable Sapling Beech 1 Sapling/Pole 4 Medium Variable Sapling Beech 1 Sapling/Pole 4 Medium Variable Sapling Beech 1 Sapling/Pole 4 Medium	4311 - Pine, Aspen Mix Poletimber Medium 4.4 24 1-50 N/A Sanopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size White Pine 29 Pole/Sap/Log 5 24 Besch Low 5 - 10 feet Sapling Basswood 1 Log/XLog 16 Black Cherry Medium Variable Tail Shrub Sugar Maple 3 Log/XLog 14 Pole/Log 8 Beech Low Variable Sapling Beech 1 Sapling/Pole 4 Control of the Pine Control of the Pine Sapling Sapling Control of the Pine Control of the Pine </td

General Comments

The majority of this regeneration originated following a partial harvest in the mid 1990's. The red pine overstory was then removed in 2005, with the exception of scattered red pine leave trees. There are also a handful of residual white pine and red oak. Pretty diverse regeneration, although dominated by ironwood and beech. Site quality increases as you go north in the stand, with most of the sugar maple being at the far northern end near Sturgeon Valley Road. Some areas with a nice component of young red oak. Pine regen becomes more prevalent at the south end. Not much new in-growth since the last harvest, pretty much just raspberry and black cherry Due to the good site quality. I expect some of the cherry to he red maple. lect BA data py tands such

				black cherry. Due to the good site quality, respect some of the become merchantable. Lots of elk damage on the boles of the Rolling terrain. Trace of quaking aspen and paper birch. Colle next entry to get a more accurate representation of the canop percentages, ocular estimates are hard for young, diverse sta as this.
	81-110	N/A		Mixed species stand with a lot of small diameter stems. Red
cies	Density	Avg. Height	Size	most common species yet barely merchantable. Bigtooth asp scattered throughout with a small clump of older trees at the
	Medium	>20 feet	Sapling	The quaking aspen is mostly in the east half poor quality an

I maple is the nen far east end. quaking aspen is mostly in the east half, poor quality, and experiencing mortality. Nice representation of young red oak. There is also a second age class of much older oak in the log/XL-log size classes. Some small non-forested areas are present along the south edge. Average ba/acre from 6 plots = 92 square feet.

144	4199 - Other Mixed Upland Deciduous	Sapling Well	51.8	27	

Canopy Species	% Cove	er Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	
White Pine	6	Sapling/Pole/Log	3		Black Cherry	Medium	5 - 10 feet	
Sugar Maple	16	Sapling/Pole	3					
Ironwood	23	Sapling/Pole	3	27	+			
Black Cherry	3	Sapling/Pole	4		-			
Red Maple	9	Sapling/Pole	4		*			
Striped Maple	2	Sapling	3		*			
Red Oak	8	Sapling/Pole/Log	4		+			
Beech	22	Sapling/Pole	3		-			
Balsam Poplar	2	Sapling/Pole	4		+			
Red Pine	7	Sapling/Pole/Log	3		1			
Jack Pine	2	Sapling/Pole	4		1			

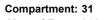
4199 - Other Mixed Upland Deciduous Poletimber Well 6.2 56 145

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	17	Pole/Log/XLog	8		Red Maple	Medium	>20 feet	Sapling
Paper Birch	1	Log/Pole	11		Beech	Medium	Variable	Sapling
Bigtooth Aspen	20	Pole/Log	8	56	Red Oak	Trace	>20 feet	Sapling
Red Pine	6	Log/Pole/XLog	14		Ironwood	Low	Variable	Sapling
Ironwood	2	Pole	5		White Pine	Low	Variable	Sapling
Sugar Maple	5	Pole	7					
Quaking Aspen	15	Pole	8					
Red Maple	28	Pole/Sapling	6	56				
White Pine	6	Log/Pole/XLog	12					

Compartment: 31 Year of Entry: 2025

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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			
146	4199 - Other Mixe	d Upland D	eciduous F	Poletimb	er Well	2.3 89	81-110	N/A		Near 50/50 split between large diameter oak and a younger age class of aspen and red maple. Some of the oak are massive. Although rare, a			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	second age class of younger oak is also present (pole/saps). Trace of			
	Bigtooth Aspen	25	Pole/Sapling	6	35	Beech	Low	Variable	Sapling	red pine. Average ba/acre from 3 plots = 107 square feet. This stand site			
	White Pine	1	Pole/Log	8		Red Oak	Trace	>20 feet	Sapling	on a slight knob as compared to surrounding stands.			
	Quaking Aspen	4	Pole	7		White Pine	Low	Variable	Sapling				
	Red Maple	25	Pole/Sapling	6		Black Cherry	Trace	Variable	Tall Shrub				
	Red Oak	45	XLog/Log	22	89	Red Maple	High	Variable	Sapling				
47	4199 - Other Mixe	d Upland D	eciduous F	Poletimb	er Well	5.0 56	111-140	N/A		Younger mixed hardwood stand with a second age class of older red oa The red oak is very high quality. The hardwoods are only mediocre in			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	quality and still small diameter in most places, with only a handful			
	Beech	12	Pole/Log	8		Beech	Medium	Variable	Sapling	sawlog-sized trees present. Aspen occurs in small clumps and is not			
	Ironwood	1	Pole	5		Ironwood	Low	Variable	Sapling	uniform throughout the stand. Beech becomes more common in the			
	Bigtooth Aspen	23	Pole/Log	8	56	Red Oak	Trace	>20 feet	Sapling	half of the stand, with most appearing to have BBD. Trace of white p and paper birch in the overstory. Average ba/acre from 5 plots = 134			
	Sugar Maple	10	Pole	7		Sugar Maple	Trace	>20 feet	Sapling	square feet. High browse pressure in this area makes successful			
	Red Oak	19	Log/XLog	17	98	Red Maple	Low	>20 feet	Sapling	regeneration doubtful. Look at adjacent stand 70 to the east for an			
	Red Maple	35	Pole/Log	8	56					example of what would happen if this were cut.			
148	4134 - Aspe	en, Spruce/	/Fir Po	letimbe	^r Mediui	m 8.7 36	51-80	N/A		This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chip Company, #53-033-85). Aspen recenerated well in the south balf of the			
										Company, #53-033-85). Aspen regenerated well in the south half stand but not the path half where fir is dominant and there are a			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	stand but not the north half, where fir is dominant and there are several			
	Balsam Fir	25	Size Class Pole/Sapling	5	Age	Balsam Fir	Medium	Variable	Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2			
	Balsam Fir Red Maple				Age		-		Sapling Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being			
	Balsam Fir	25	Pole/Sapling Sapling Pole	5 3 6	Age	Balsam Fir	Medium	Variable Variable 10 - 20 feet	Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2			
	Balsam Fir Red Maple	25 15	Pole/Sapling Sapling	5 3 6 6	I Age	Balsam Fir Red Maple Tag Alder White Spruce	Medium Medium	Variable Variable 10 - 20 feet Variable	Sapling Sapling Tall Shrub Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years.			
	Balsam Fir Red Maple White Pine	25 15 2	Pole/Sapling Sapling Pole	5 3 6 6	I Age	Balsam Fir Red Maple Tag Alder	Medium Medium Trace	Variable Variable 10 - 20 feet	Sapling Sapling Tall Shrub	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years.			
	Balsam Fir Red Maple White Pine Balsam Poplar	25 15 2 3	Pole/Sapling Sapling Pole Pole	5 3 6 6 5	36	Balsam Fir Red Maple Tag Alder White Spruce	Medium Medium Trace Trace	Variable Variable 10 - 20 feet Variable	Sapling Sapling Tall Shrub Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years.			
149	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen	25 15 2 3 3 52	Pole/Sapling Sapling Pole Pole/Sapling Pole/Sapling	5 3 6 6 5	36	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry	Medium Medium Trace Trace	Variable Variable 10 - 20 feet Variable	Sapling Sapling Tall Shrub Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid			
49	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen	25 15 2 3 3 52 ural White F	Pole/Sapling Sapling Pole Pole/Sapling Pole/Sapling	5 3 6 5 5 Sawtimb	36	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry	Medium Medium Trace Trace Trace	Variable Variable 10 - 20 feet Variable Variable	Sapling Sapling Tall Shrub Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut ir			
49	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen 42200 - Natu	25 15 2 3 3 52 ural White F	Pole/Sapling Sapling Pole Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	5 3 6 5 5 Sawtimb	36 er Well	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry 5.5 92	Medium Medium Trace Trace Trace 81-110	Variable Variable 10 - 20 feet Variable Variable N/A	Sapling Sapling Tall Shrub Sapling Tall Shrub	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut in 2005. Moderate quality white pine with a wide variety of diameters, with few areas dominated by legacy size trees. Red pine is more common in			
49	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen 42200 - Natu Canopy Species	25 15 2 3 3 52 ural White F	Pole/Sapling Sapling Pole Pole Pole/Sapling Pole/Sapling Pole/Sapling Size Class	5 3 6 5 5 Sawtimb DBH e 19	36 er Well	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry 5.5 92 Sub-Canopy Species	Medium Medium Trace Trace Trace 81-110 Density	Variable Variable 10 - 20 feet Variable Variable N/A Avg. Height	Sapling Sapling Tall Shrub Sapling Tall Shrub	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut i 2005. Moderate quality white pine with a wide variety of diameters, with few areas dominated by legacy size trees. Red pine is more common in the south half. A nice component of younger red oak is present. Average			
49	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen 42200 - Natu Canopy Species Red Pine	25 15 2 3 3 52 vral White F % Cover 30	Pole/Sapling Sapling Pole Pole Pole/Sapling Pole/Sapling Pole/Sapling Size Class XLog/Log/Pole	5 3 6 5 5 Sawtimb DBH e 19	36 er Well	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry 5.5 92 Sub-Canopy Species Red Oak	Medium Medium Trace Trace Trace 81-110 Density Trace	Variable Variable 10 - 20 feet Variable Variable N/A Avg. Height >20 feet	Sapling Sapling Tall Shrub Sapling Tall Shrub	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut in 2005. Moderate quality white pine with a wide variety of diameters, with few areas dominated by legacy size trees. Red pine is more common in			
49	Balsam Fir Red Maple White Pine Balsam Poplar White Spruce Quaking Aspen 42200 - Natu Canopy Species Red Pine White Pine	25 15 2 3 52 ural White F % Cover 30 62	Pole/Sapling Sapling Pole Pole Pole/Sapling Pole/Sapling Pole/Sapling Size Class XLog/Log/Pole/XLog	5 3 6 5 5 Sawtimb BH e 19 g 13	36 er Well	Balsam Fir Red Maple Tag Alder White Spruce Black Cherry 5.5 92 Sub-Canopy Species Red Oak Beech	Medium Medium Trace Trace Trace 81-110 Density Trace High	Variable Variable 10 - 20 feet Variable Variable N/A Avg. Height >20 feet Variable	Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Sapling Sapling	stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. This stand definitley had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut in 2005. Moderate quality white pine with a wide variety of diameters, with few areas dominated by legacy size trees. Red pine is more common in the south half. A nice component of younger red oak is present. Average			



Year of Entry: 2025

	Level 4 Cover Type 42110 - Planted Red Pine		S	Size Density Sawtimber Poor	Acres Stand Age BA Range		Managed Site		General Comments
50			vine Sa		6.1 92	51-80	N/A		Scattered large diameter red pine overstory with a well-developed
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	hardwood understory. Planting records show that the red pine was in fact planted but this does not resemble a plantation at all. Sugar maple
	Red Pine	100	XLog/Log	20 92	Quaking Aspen	Medium	>20 feet	Sapling	saplings are common throughout. Quaking aspen becomes more
					Red Maple	Low	>20 feet	Sapling	abundant further south. Trace of basswood, paper birch, and elm
					Beech	Medium	>20 feet	Sapling	saplings. Average ba/acre from 5 plots = 64 square feet. Leave the overstory and manage for the understory. Next entry this will probably be
					Bigtooth Aspen	Low	>20 feet	Sapling	a M3 or M6.
					Red Oak	Low	>20 feet	Sapling	
					Ironwood	High	>20 feet	Sapling	
					Black Cherry	Trace	>20 feet	Sapling	
					Striped Maple	Trace	>20 feet	Sapling	
					Sugar Maple	High	>20 feet	Sapling	
					0 1	5		1 3	
					White Ash	Medium	>20 feet	Sapling	
	4110 - Sugar N Canopy Species	•	ciation Sa	wtimber Well DBH Age	White Ash 41.0 91 Sub-Canopy Spee	111-140	N/A		$_{ m l}$ southeast parts of the stand. Last thinned in 1985 in the sale Twins
		•		wtimber Well DBH Age 14	41.0 91	111-140	-	Sapling	Moderate to high quality hardwood stand. Quality is best in the east and southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered
	Canopy Species	•	Size Class	DBH Age	41.0 91 Sub-Canopy Spec	111-140 ies Density	N/A Avg. Height	Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas
	Canopy Species Red Pine	* Cover	Size Class	DBH Age	41.0 91 Sub-Canopy Spec White Ash	Medium 111-140 ies Density Low	N/A Avg. Height Variable	Sapling Size Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the
51	Canopy Species Red Pine Basswood	* Cover	Size Class Log/Pole Log/Pole/XLog	DBH Age 14 13	41.0 91 Sub-Canopy Spee White Ash White Pine	Medium 111-140 ies Density Low Trace	N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some
	Canopy Species Red Pine Basswood Red Oak	% Cover 1 29 1	Size Class Log/Pole Log/Pole/XLog Log/Pole/XLog	DBH Age 14 13 11	41.0 91 Sub-Canopy Spee White Ash White Pine Beech	Medium 111-140 ies Density Low Trace Medium	N/A Avg. Height Variable Variable Variable	Sapling Size Sapling Sapling Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the far southwestern corner of the stand. A vernal pool is present near the southeast corner of the stand. In the northwest part of the stand adjacen to Sturgeon Valley Road there are some scattered red oak and yellow
	Canopy Species Red Pine Basswood Red Oak Ironwood	% Cover 1 29 1 29 1 2	Size Class Log/Pole Log/Pole/XLog Log/Pole/XLog Pole	DBH Age 14	41.0 91 Sub-Canopy Spec White Ash White Pine Beech Ironwood	Medium 111-140 ies Density Low Trace Medium High	N/A Avg. Height Variable Variable Variable Variable	Sapling Size Sapling Sapling Sapling Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the far southwestern corner of the stand. A vernal pool is present near the southeast corner of the stand. In the northwest part of the stand adjacen to Sturgeon Valley Road there are some scattered red oak and yellow birch saplings. Although beech is not very common in the stand, most
	Canopy Species Red Pine Basswood Red Oak Ironwood Beech	% Cover 1 29 1 29 4	Size Class Log/Pole Log/Pole/XLog Log/Pole/XLog Log/Pole/XLog	DBH Age 14 1 13 1 5 1 12 1	41.0 91 Sub-Canopy Spec White Ash White Pine Beech Ironwood Red Pine	Medium 111-140 ies Density Low Trace Medium High Trace	N/A Avg. Height Variable Variable Variable Variable Variable	Sapling Size Sapling Sapling Sapling Sapling Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the far southwestern corner of the stand. A vernal pool is present near the southeast corner of the stand. In the northwest part of the stand adjacen to Sturgeon Valley Road there are some scattered red oak and yellow
	Canopy Species Red Pine Basswood Red Oak Ironwood Beech Yellow Birch	% Cover 1 29 1 29 4 1	Size Class Log/Pole Log/Pole/XLog Log/Pole/XLog Log/Pole/XLog Log/Pole	DBH Age 14 1 13 1 5 1 12 1 10 1	41.0 91 Sub-Canopy Spec White Ash White Pine Beech Ironwood Red Pine	Medium 111-140 ies Density Low Trace Medium High Trace	N/A Avg. Height Variable Variable Variable Variable Variable	Sapling Size Sapling Sapling Sapling Sapling Sapling	southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetherton Farm and Forest Products, #53-005-85). Some areas were thinned heavier then others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the far southwestern corner of the stand. A vernal pool is present near the southeast corner of the stand. In the northwest part of the stand adjacer to Sturgeon Valley Road there are some scattered red oak and yellow birch saplings. Although beech is not very common in the stand, most have BBD. Trace of quaking aspen (log/pole), white spruce (pole),