

Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53052 Entry Year 2026 Acreage: 1,589 County Otsego Management Area: Wolverine Moraines

Stand Examiner: Greg Rekowski

Legal Description:

T31N R01W, Sections 25, 26, 27, 35, and 36

Identified Planning Goals:

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

Soil and topography:

Upland soils are a mix of sands and loams with Kalkaska sands being the most prevalent, with smaller amounts of the following types; Lindquist sand, East Lake-Rubicon sand, Mancelona-Rubicon sand, Blue Lake loamy sand, and Ossineke fine sandy loam. Lowland soils are mostly Tawas-Lupton mucks.

The area south of Johnson's Crossing Road is steep terrian dominated by upland oak, hardwoods, and aspen types. The north portion of the compartment is flat and occupied mostly by swamp conifer types.

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

The Compartment itself is comprised of a solid block of State ownership, however most of the boundaries are adjacent to private lands. Heavy Antrim gas development has taken place in and around this compartment.

Unique Natural Features:

The headwaters of the Black River are found within this Compartment. Numerous springs, seeps, and small streams come to surface at the upland/lowland transition north of Johnson's Crossing Road. There has been a documented occurrence of red-shouldered hawk within this Compartment.

MNFI has documented natural community element occurrences of a northern wet meadow and rich conifer swamp in this Compartment.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

A Special Conservation Area (SCA) encompasses the majority of the swamp conifer complex within the Compartment.

A rich conifer swamp ecological reference area (ERA) has been identified in this Compartment.

The far eastern end of the Compartment is under designation as Eastern Massasauga Managed Land due to the potential for this snake to occur in the area.

Watershed and Fisheries Considerations:

The Black River, a coldwater trout stream, flows through this Compartment.

Wildlife Habitat Considerations:

A Wildlife Division representative will be available to participate in the formal 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 known active sand & gravel pits exist in the area. There appears to be some potential for sand & gravel within the Compartment on the uplands, but development could be inhibited by oil & gas infrastructure. The Compartment is within the Antrim Shale and northern Silurian reef hydrocarbon plays, and the Compartment has seen extensive development, primarily associated with Antrim Shale gas production. All State-owned mineral rights in the Compartment are currently leased and held by production. Potential for additional future Antrim development is considered low. There may be potential for additional future reef discoveries beneath the Compartment, and there may be future potential for gas storage (CH4 and CO2). Any decisions

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on future mineral exploration and development within the Compartment shall be consistent with the Concept of Management for the Pigeon River Country.

Vehicle Access:

There is good vehicle access throughout this Compartment.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

Johnson's Crossing Equestrian Group Camp is located in Section 26. In addition, the North Spur of the Shore to Shore horse trail passes through this Compartment.

Fire Protection:

Wildfire potential is relatively low in this Compartment due to the lack of conifers in upland areas. Access is good if fire suppression activities are needed.

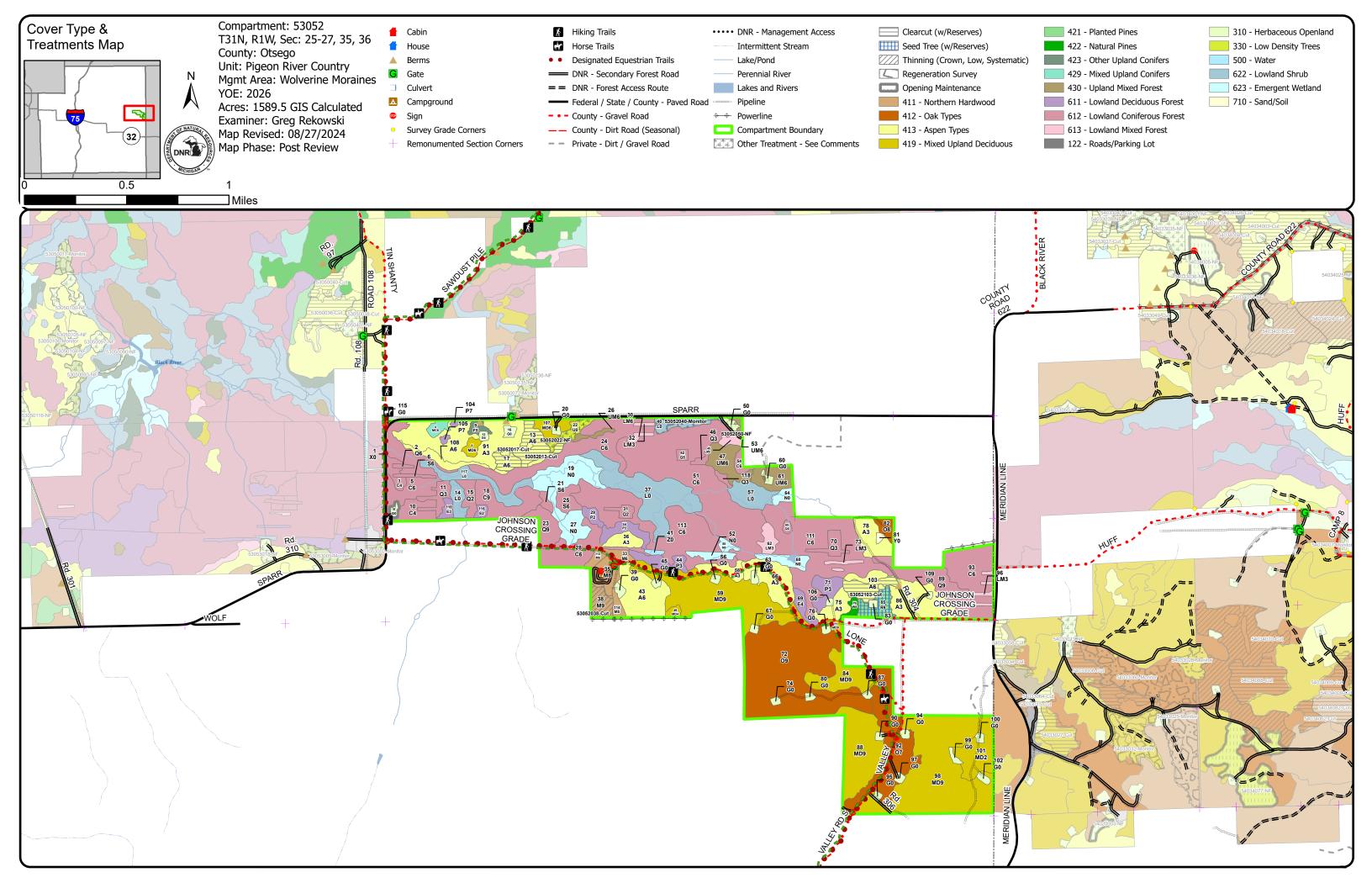
Additional Compartment Information:

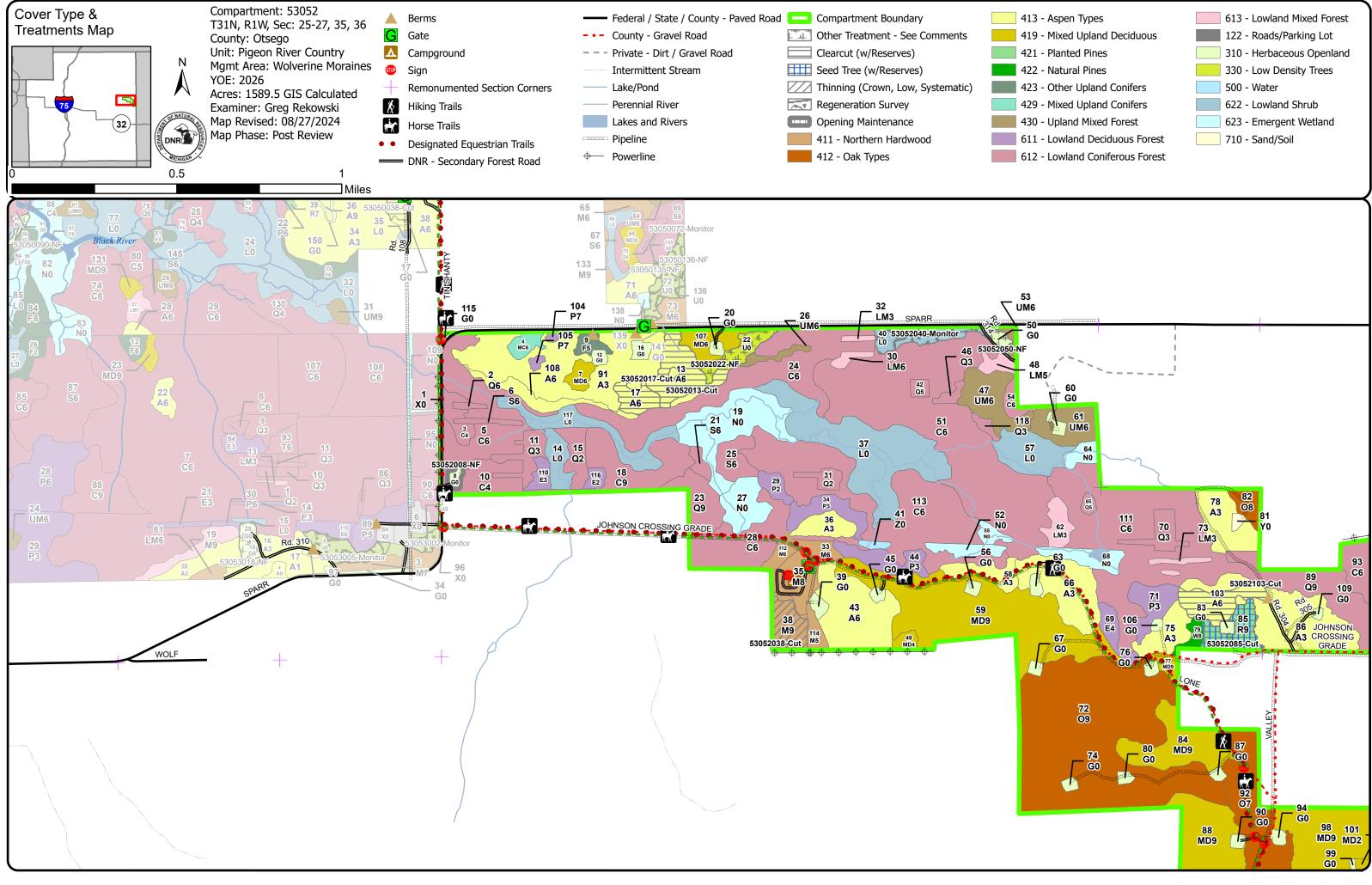
Numerous experimental cedar harvests were conducted in the past with no current evidence of successful cedar regeneration in any of the stands.

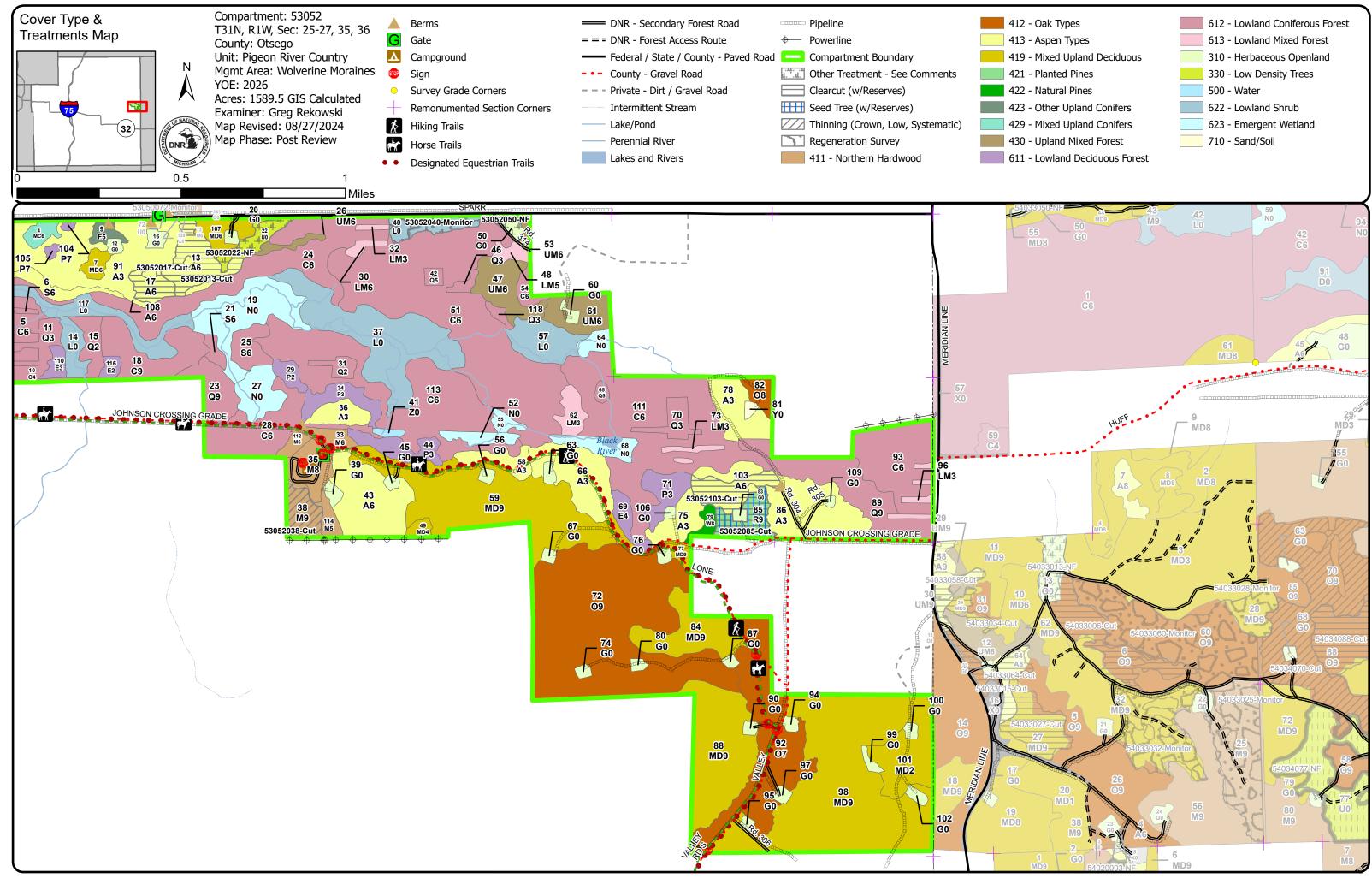
The following reports from the Inventory are attached:

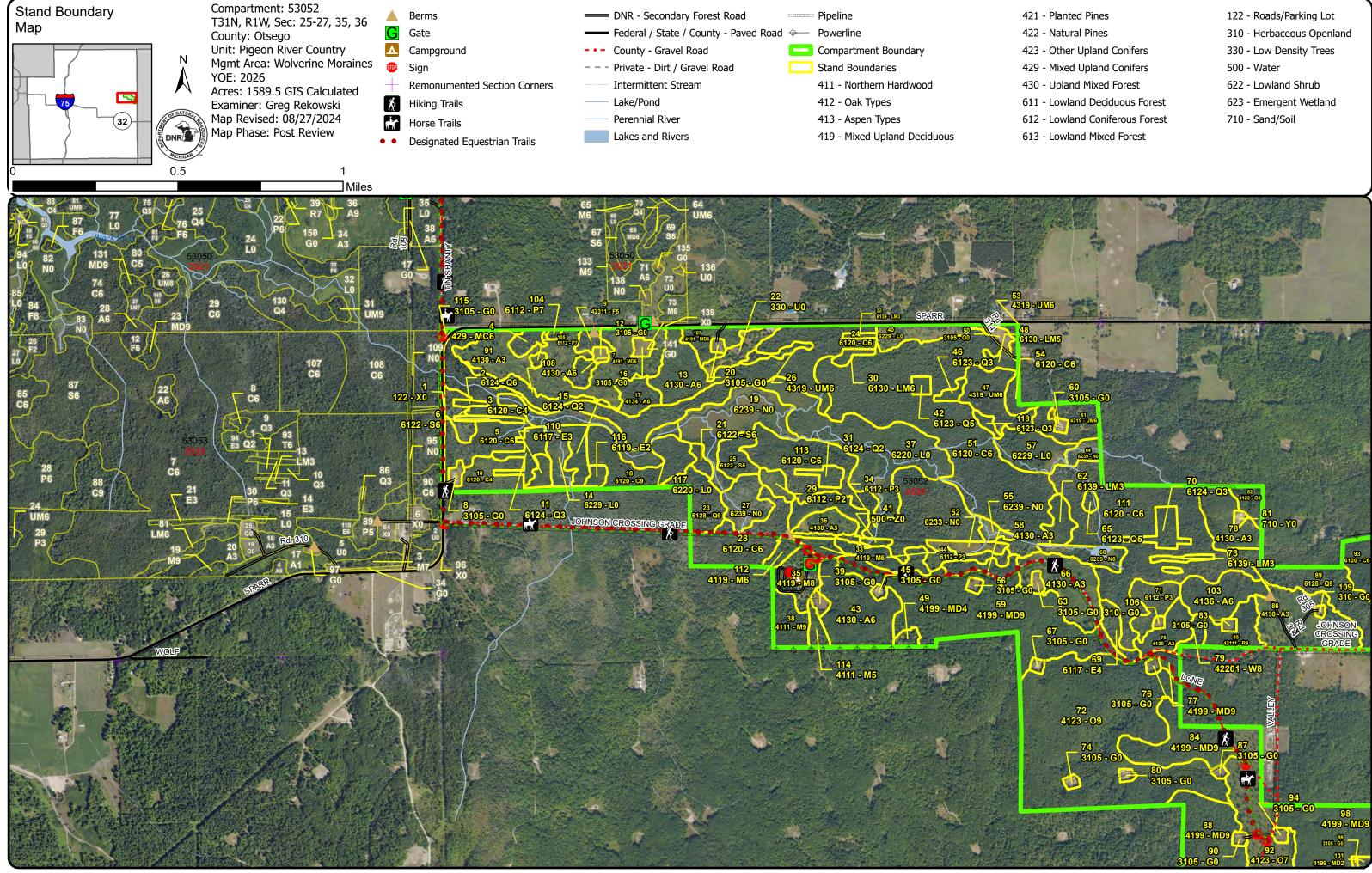
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

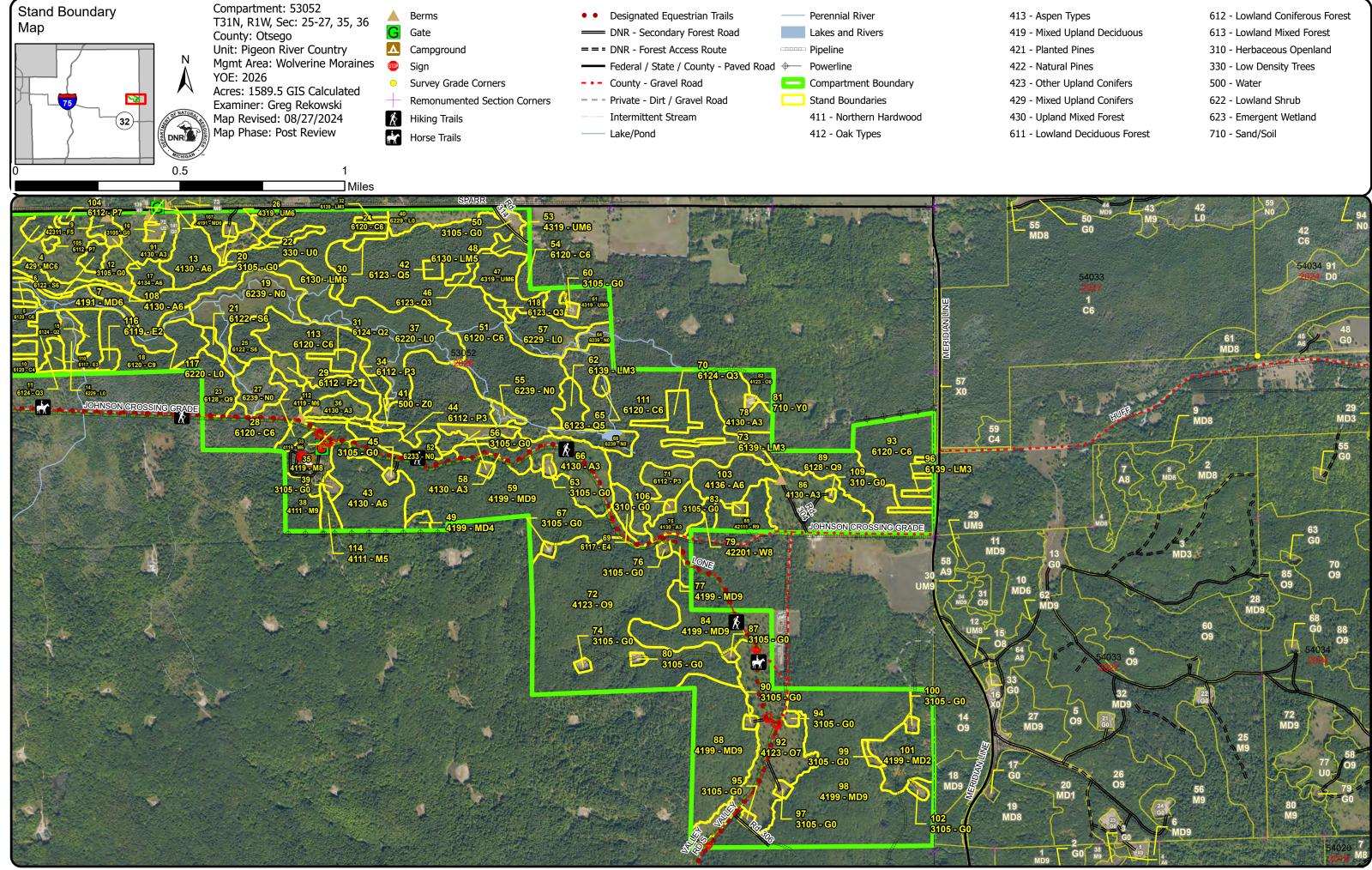
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system



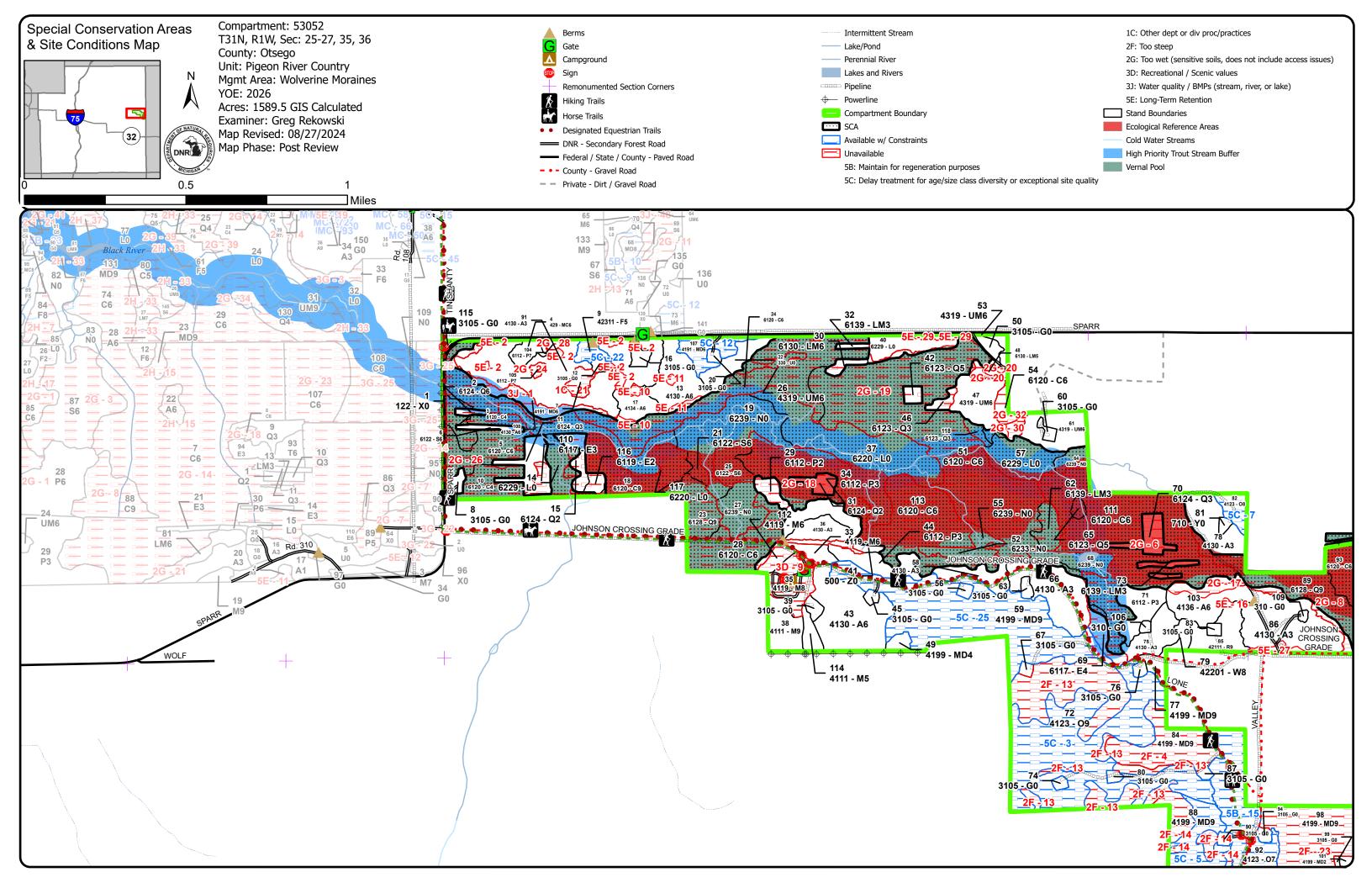


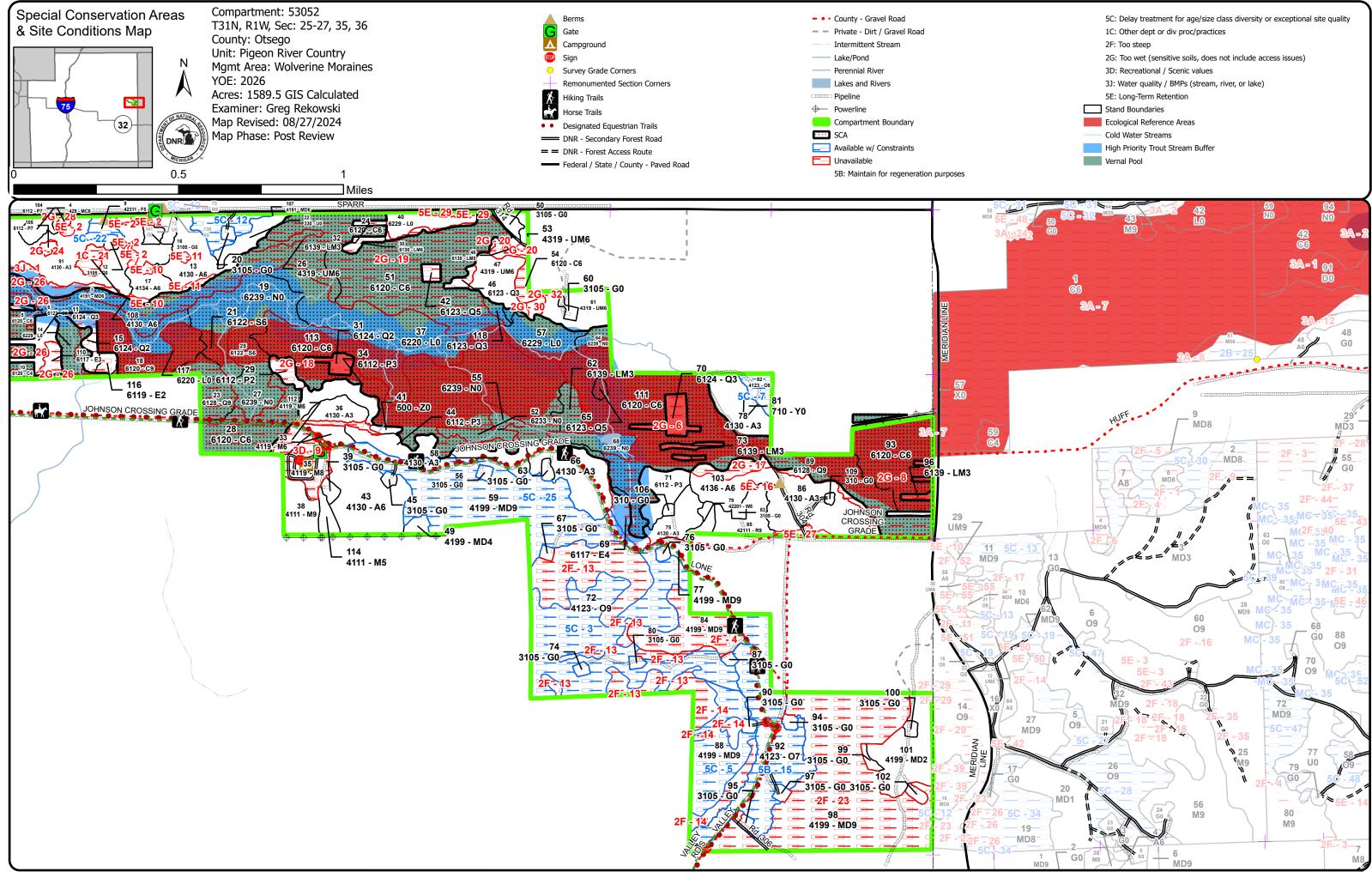


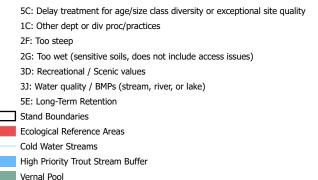




- 612 Lowland Coniferous Forest







Greg Rekowski : Examiner





Age Class

			3	82 x 25		3	8 K	3	8 / R	\$ \$	89 83 89 83	8	B. Lan	6	R S	033 yr	00-12- 02-12- 02-12-12-12-12-12-12-12-12-12-12-12-12-12	ž "se	AND LOO
Aspen	/ * *	109	0	32	29	17	33		0	0	0				0		0		219
Cedar	0	0	0	0	0	0	0	0	0	0	0	26	310	107	0	0	0	0	443
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	0	32	0	0	2	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	4	29	0	2	0	0	0	12	32	0	0	0	0	0	79
Lowland Deciduous	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	10
Lowland Mixed Forest	0	0	0	0	3	15	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Shrub	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Lowland Spruce/Fir	0	0	0	0	0	2	0	0	0	0	11	0	0	0	0	0	0	0	12
Marsh	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Mixed Upland Deciduous	0	0	0	23	2	0	0	0	9	117	70	76	0	0	0	0	0	0	296
Northern Hardwood	0	0	0	0	0	0	0	0	0	15	18	0	0	0	0	0	0	0	33
Oak	0	0	0	0	0	0	0	0	0	0	54	134	0	0	0	0	0	0	188
Red Pine	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Conifers	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	28	0	0	0	5	0	0	0	0	0	0	0	0	0	33
Upland Spruce/Fir	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
Total	201	109	0	87	66	68	52	7	17	132	153	248	342	107	0	0	0	0	1586



		iti y	mgu
Year of	Entry:	202	26

Acres of Harvest Commercial Harvest - 53 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

			Constraint of the second	Contraction of the second	to of	Ball Ball	Chonno L	Ninit, Con	Color Color	See See	ONO LOO	A. A
Aspen		33	0	0	0	0	0	0	0	0	33	
Northern Hardwood		0	0	0	0	0	9	0	0	0	9	
Red Pine		0	0	0	10	0	0	0	0	0	10	
	Total	33	0	0	10	0	9	0	0	0	53	

Proposed and Next Step Treatments by Method

		/.	E E	and and a	Composition of	No No	in contraction	M. Colicio	in the second second	Stop 1	NUSCON LOS	⁴⁰
Current		53	0	0	0	0	0	10	0	11	74	
Next Step		0	0	0	0	0	0	44	0	0	44	
	Total	53	0	0	0	0	0	53	0	11	118	

a n Treatment Name posed Treatment 8 53052008-N Prescription Mair Specs: Next Step Treatments: Acceptable Regen: Other Comment:	F 1.7	Stand CoverType 3105 - Mixed Jpland Herbaceous forested condition	Density Nonstocked	t t	ified	-	Treatment Method Herbaceous/Crop /Grass Planting herbicide, or mech	Cover Type Objective 310 - Herbaceous Openland anical means.	Age Structure	Hal
8 53052008-N Prescription Mair Specs: Next Step Treatments: Acceptable Regen: Other	F 1.7	Jpland Herbaceous	6		ified	-	/Grass Planting	Herbaceous Openland		
Prescription Mair Specs: Next Step Treatments: Acceptable Regen: Other	ι	Jpland Herbaceous	6		ified	-	/Grass Planting	Herbaceous Openland		
<u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u>	tain the non-	forested condition	of this stand	either	through b	urning, planting,	herbicide, or mech	anical means.		
Treatments: Acceptable Regen: Other										
Regen: Other										
Site Condition										
Proposed Start Da	ate: 10/1 /20	25								
13 53052013-C	ut 15.7	4130 - Aspen	Poletimber Well	51	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	
		Ill incidental bassw trees for drumming				eave all cherry o	over 5" DBH. Mark to	o leave large diar	neter aspen o	' map
<u>Next Step</u> Mon <u>Treatments:</u>	itoring, Natur	al Regen (Interme	diate)							
Acceptable Fully Regen:	-stocked star	nd of aspen regene	eration with a	ny add	itional mi	x of species beir	ng acceptable.			
<u>Other</u> See		n layer for desired i area will be in the i					uth edge in the area	where beavers	removed most	of the
Wint	er only harve	est to avoid conflict	s with the EM	/IR activ	ve seasoi	า.				
Site Condition										
Proposed Start Da										
17 53052017-C	ut 6.1	4134 - Aspen, Spruce/Fir	Poletimber Well	51	111- 140	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	
Specs: logs	and hare hat		ention to the s	small cl	lump of h	ardwoods on the	c poor quality aspen e north edge, includi			
<u>Next Step</u> Mon <u>Treatments:</u>	itoring, Natur	al Regen (Interme	diate)							
	-stocked sta	nd of aspen regene	eration with a	iny add	itional mi	x of species beir	ng acceptable.			
Acceptable Fully Regen:								r a neat and an	ly appropriate	buff
Regen: Other Wat	ch for stick ne specs if foun	ests, particularly in d.	the northwes	st corne	er of the s	stand where there	e is an old record fo	or a nest, and app		build
Regen:OtherWatComment:and	specs if foun	· · · · ·					e is an old record to	or a nest, and app		buile
Regen:OtherWatComment:and	specs if foun	d.					e is an old record to	or a nest, and ap		Dune

S t	Pigeon Rive	er Country	∕ Mgt. Unit	I	Repor	t3 1	Freatments		Compartmen Year of Entr		DNR DNR SOURCES
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
22	53052022-NF	7.2 3	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub		No
Pres Spec			forested condition dragt or soft mast.	of this stand	l throug	h prescrit	oed fire, mechan	ical, planting, or ch	nemical means. L	eave the opt	ion open for
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u> e	<u>ptable</u> en:										
<u>Othe</u> <u>Com</u>	<u>r</u> ment:										
	Condition										
Prop	osed Start Date	<u>:</u> 10/1 /202	25								
40	53052040- Monitor	9.7	6229 - Mixed Iowland shrub	Nonstocke	d 0	Unspec ified	Monitoring	Natural Regen (Intermediate)	612 - Lowland Coniferous Forest	Even-Age	d No
<u>Pres</u> Spec		ue to monit	or regen success i	in this stand	. Refere	ence prev	ious regen surve	ey data in MiFI.			
	<u>Step</u> tments:										
<u>Acce</u> Rege		tocked star	nd of mixed lowland	d conifers w	ith any a	additional	mix of species I	being acceptable.			
<u>Othe</u> Com	<u>r</u> ment:										
<u>Site</u>	<u>Condition</u>										
<u>Prop</u>	osed Start Date	<u>:</u> 10/1 /202	28								
50	53052050-NF	2.5 U	3105 - Mixed Jpland Herbaceous	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
Pres Spec	<u>cription</u> Maintai <u>s:</u> the pla	in the non-f nting of har	forested condition of or soft mast.	of this stand	l throug	h prescrit	bed fire, planting	, mechanical, or ch	nemical means. L	eave the opt	ion open for
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u> e	<u>ptable</u> en:										
<u>Othe</u> <u>Com</u>	<u>r</u> ment:										
<u>Site</u>	<u>Condition</u>										
<u>Prop</u>	osed Start Date	<u>:</u> 10/1 /202	25								

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Report 3 -- Treatments

S t	Pige	on Rive	er Countr	y Mgt. Unit		Repoi	rt 3 1	Freatments		Compartmen Year of Entry		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
85	530520	85-Cut	10.3	42111 - Planted Red Pine, Mixed Deciduous	Sawtimbe Well	r 54	171- 200	Harvest	Seed Tree	4133 - Aspen, Mixed Pine	Two-Aged	No
Presc Spece	<u>s:</u>	aspen.	Leave all	g 10-20 square feet white pine over 10" bitat. Protect service	DBH, all cl							
<u>Next</u> Treat	<u>Step</u> ments:	Monitor	ing, Natui	ral Regen (Intermed	liate)							
<u>Acce</u> Rege		Medium	n to fully-s	tocked consisting o	f red pine,	white pi	ne, and as	spen. Any addit	ional species in the	mix will be accep	otable as well.	
<u>Other</u> Comr	-	Winter	only harve	est to avoid conflicts	s with EMR.							
<u>Site C</u>	Conditio	<u>n</u>										
Propo	osed Sta	art Date:	10/1 /20)25								
103	530521	03-Cut	11.5	4136 - Aspen, Mixed Conifer	Poletimbe Well	r 46	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Preso Spece				cut incidental white s and winter habitat								
<u>Next</u> Treat	<u>Step</u> ments:	Monitor	ing, Natur	ral Regen (Intermed	liate)							
Accer Rege		Fully-st	ocked sta	nd of aspen with an	iy additiona	l mix of	species b	eing acceptable	е.			
<u>Other</u> Comr	-	Exclude	e all wet a	reas along the north	n edge, exp	ect this	boundary	to change som	newhat from what h	as already been e	excluded.	
		A small	interior re	etention area has be	een added t	o an ar	ea that ho	lds water seaso	onally.			
	Conditio	_										
Propo	osed Sta	art Date:	10/1 /20)25								

Approved Treatments:

38	53052038-Cut	9.4	4111 - S.Maple, Hard Mast Association	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	411 - Northern Hardwood	Uneven- Aged	No
<u>Pres</u> Spe	<u>scription</u> Crown thin <u>cs:</u>	to 80-	90 square feet. Do	not mark und	lerrep	resented	species in the s	stand (yellow birch a	nd paper birch). S	tay off of stee	p slopes.
	<u>t Step</u> atments:										
<u>Acc</u> Reg	eptable_ en:										
<u>Oth</u> <u>Con</u>	er nment:										
<u>Site</u>	<u>Condition</u>										
Prop	bosed Start Date: 1	0/1 /20)23								

Total Treatment 74.1 Acreage Proposed:

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	ditions	5			
Acres	Available	With Condition	Not Available		5B	5C	1C	2F	2G	3D	ЗJ	5E
220	199	0	21	Aspen					5		8	9
445	0	0	445	Cedar					445	1		
32	32	0	0	Herbaceous Openland								
7	7	0	0	Low-Density Trees								
34	28	0	6	Lowland Aspen/Balsam Poplar					6			0
77	10	0	68	Lowland Conifers					68			
11	0	0	11	Lowland Deciduous					11			
18	1	0	17	Lowland Mixed Forest					17			
98	96	0	1	Lowland Shrub								1
13	0	0	13	Lowland Spruce/Fir					13			
59	59	0	0	Marsh								
296	28	111	157	Mixed Upland Deciduous		111	4	153				
33	18	0	15	Northern Hardwood						15		
188	0	142	47	Oak	54	87		47				
11	11	0	0	Red Pine								
1	1	0	0	Sand, Soil								
4	4	0	0	Upland Conifers								
33	31	0	2	Upland Mixed Forest					2			
3	0	3	0	Upland Spruce/Fir		3						
3	3	0	0	Urban								
1	1	0	0	Water								
3	3	0	0	White Pine								
1,590	533	256	801	Total Forested Acres	54	201	4	200	565	15	8	10
	34%	16%	50%	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.

	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)	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						



Compartment: 52 Year of Entry: 2026 Pigeon River Country Mgt. Unit Report 4 – Site Conditions

Compartment: 52

Year of Entry: 2026



Greg Rekowski : Examiner

2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	82	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2F: Too steep	23	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	95	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

	_	ountry Mgt. Unit xowski : Examiner		Report 4 – Site Con	ditions	Compartment: 52 Year of Entry: 2026	DIRECTION
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	67	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Unavailable	3D: Recreational / Scenic values	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Johnson's Crossing	g campground.					
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Desired retention a	reas for the harvest in stand 17.					
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
13	Unavailable	2F: Too steep	47	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Areas of ground the too steep.	at are too steep for harvesting o	peratior	ns. This is a "best guess" us	sing the topo map imager	y. There are additional areas in	the stand that are
14	Unavailable	2F: Too steep	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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	_	ountry Mgt. Unit owski : Examiner		Report 4 – Site Condi	tions	Compartment: 52 Year of Entry: 2026	6	
15	Available	5B: Maintain for regeneration purposes	54	Unspecified	Unspecified	Unspecified	Unspecified	
C	Comments:							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	156	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	
٦	Comments: This site condition ovell.	covers numerous stands that a	re too v	vet to harvest. Numerous sma	l streams, all tributaries	to the Black River, pass throug	h these stands as	
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	177	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified	
C	Comments:							

Report 4 – Site Conditions

Compartment: 52

Year of Entry: 2026



Greg Rekowski : Examiner

Pigeon River Country Mgt. Unit

age/size class diversity or exceptional site quality Comments: 23 Unavailable 2F: Too steep 113 Unspecified Unspecifi	21	Unavailable	1C: Other dept or div proc/practices	4	Unspecified	Unspecified	Unspecified	Unspecified
age/size class diversity or exceptional site quality 1 Unspecified Unspecified </th <th>(</th> <th>Comments:</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	(Comments:						
23 Unavailable 2F: Too steep 113 Unspecified Unspe	22	Available	age/size class diversity or	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 24 Unavailable 2G: Too wet (sensitive soils, does not include access issues) 1 Unspecified	(Comments:						
24 Unavailable 2G: Too wet (sensitive soils, does not include access issues) 1 Unspecified Unspecified </td <td>23</td> <td>Unavailable</td> <td>2F: Too steep</td> <td>113</td> <td>Unspecified</td> <td>Unspecified</td> <td>Unspecified</td> <td>Unspecified</td>	23	Unavailable	2F: Too steep	113	Unspecified	Unspecified	Unspecified	Unspecified
soils, does not include access issues) Comments: Wetland inclusion, cattail dominated. 25 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 76 Unspecified Unspeci	(Comments:						
Wetland inclusion, cattail dominated. 25 Available sceptional site quality or exceptional site quality 76 Unspecified	24	Unavailable	soils, does not include	1	Unspecified	Unspecified	Unspecified	Unspecified
age/size class diversity or exceptional site quality Comments: 26 Unavailable soils, does not include soils, does not include access issues)			cattail dominated.					
26 Unavailable 2G: Too wet (sensitive 58 3J: Water quality / BMPs Unspecified	25	Available	age/size class diversity or	76	Unspecified	Unspecified	Unspecified	Unspecified
soils, does not include (stream, river, or lake) access issues)	(Comments:						
Comments:	26	Unavailable	soils, does not include	58		Unspecified	Unspecified	Unspecified
	(Comments:						
		004 4: 40:00 DM - Do -						TONE

Report 4 – Site Conditions

Unspecified

Unspecified

Unspecified

Unspecified

Unspecified

Unspecified

Unspecified

Unspecified

These two areas were excluded from the adjacent lowland cut and can be considered retention. There are also pockets of very wet ground in these two areas

Compartment: 52

Year of Entry: 2026

Unspecified

Unspecified

Unspecified

Unspecified

Unspecified



Unspecified

Unspecified

Unspecified

Unspecified

Unspecified

Gı

Pigeon River Country Mgt. Unit

Unavailable

Unavailable

Unavailable

Unavailable

Comments:

Comments: Wetland pocket

Comments:

27

28

29

30

32

reg Rekowski : Examiner	
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5E: Long-Term Retention

2G: Too wet (sensitive

soils, does not include access issues)

5E: Long-Term Retention

2G: Too wet (sensitive

soils, does not include access issues)

2G: Too wet (sensitive

access issues)

which is why they were originally excluded from the sale.

2

1

1

2

4

Unspecified	Unspecified

soils, does not include

Unavailable

Comments:

Comments:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Black River Headwaters SCA	Spring Wetlands Riparian Area	Spring Seep	SCA	657
Comments Examiner approved 9/12/201	13			

Compartment: 52 Year of Entry 2026



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 conditio 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	es to persist from year to year. Suitable ay are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen condi- 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.	es (e.g., slimy sculpin) to persist from se 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 d communities are ecologically and socially significant in their effec 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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (ra threatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations of managed for restoration and maintenance of natural ecological p submit recommendations for lands as ERAs using the DNR Cons	Il Features Inventory (MNFI) within the t Occurrences with viability ranks of A rity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

Compartment: 52

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Year	of	Entry	2026	

AR

tand	Level 4 Cover Type		s	Size Density		Acres	Acres Stand Age BA Range Managed Site		Site	General Comments		
1	122 - Road/Parking Lot		Nonstocked		3.0	3.0 U		No		Sparr Road and associated cleared right-of-way.		
2	6124 - Lowland Spruce-Fir Pol			oletimber Well		1.2	44	81-110	N/A		Old cedar strip cut, no cedar regenerated instead it was mostly spruce	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and fir. The deciduous species component increases in the west half. Average ba/acre from 4 plots = 100 square feet.	
	Paper Birch	10	Sapling/Pole	4		Та	ag Alder	Medium	10 - 20 feet	Tall Shrub		
	Black Spruce	45	Pole/Sapling	5	44	Ba	Ilsam Fir	Medium	Variable	Sapling		
	White Spruce	2	Pole/Sapling	5	L							
	Balsam Poplar	6	Pole	6								
	Red Maple	5	Pole/Sapling	5								
	Balsam Fir	32	Sapling/Pole	3								
3	6120 - Lov	wland Ceda	r Po	letimb	er Poor	5.4	128	51-80	N/A		Heavy cedar dieback and decline due to water drainage issues on the	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Black River. Most of the remaining live mature timber is along the west edge near Sparr Road. A very wet stand with standing water in places.	
	Tamarack	4	Pole	6		Ba	Ilsam Fir	High	Variable	Sapling	The "fingers" of the stand going east away from the road have filled in	
	White Spruce	3	Log/XLog	14		Та	ag Alder	Medium	Variable	Tall Shrub	with a mix of lowland conifer species, enough that this may be a Q5 or	
No	rthern White Cedar	75	Pole/Log	8	128	Ta	amarack	Low	>20 feet	Sapling	Q6 next entry, assuming water drainage issues don't result in more	
	Balsam Fir	7	Pole/Sapling	5		Whi	te Spruce	Low	Variable	Sapling	mortality. Average ba/acre from 6 plots = 54 square feet.	
	White Pine	11	Log/XLog	17			ck Spruce	Low	Variable	Sapling		
4	White Pine 429 - Mixed L	Jpland Con	Log/XLog	17 pletimb	er Well	Blac 3.8		Low 81-110	N/A	Sapling	resemble a plantation due to the other species that are mixed in.	
4	White Pine	Jpland Con	Log/XLog	17 pletimb	er Well I Age 57	Blac 3.8 Sub-Ca	ck Spruce 57	Low 81-110			resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent	
4	White Pine 429 - Mixed L Canopy Species	Jpland Con % Cover	Log/XLog ifers Pc Size Class	17 oletimb DBH	I Age	Blac 3.8 Sub-Ca Whi	57 57	Low 81-110 Density	N/A Avg. Height	Sapling Size	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re	
4	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir	Jpland Con % Cover 56	Log/XLog ifers Pc Size Class Pole/Log Pole/Log	17 bletimk DBH 9	I Age	Blac 3.8 Sub-Ca Whi Blac	57 57 nopy Species te Spruce ck Cherry	Low 81-110 Density Low	N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square	
•	White Pine 429 - Mixed L Canopy Species White Spruce	Jpland Con % Cover 56 11	Log/XLog ifers Pc Size Class Pole/Log	17 bletimb DBH 9 9	I Age	Blac 3.8 Sub-Ca Whi Blac Qual	57 57 nopy Species te Spruce	Low 81-110 Density Low Trace	N/A Avg. Height Variable >20 feet	Sapling Size Sapling Tall Shrub Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff	
•	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple	Jpland Con % Cover 56 11 8	Log/XLog ifers Pc Size Class Pole/Log Pole/Log Log/Pole	17 Detimb 0 0 0 0 0 12	I Age	Blac 3.8 Sub-Ca Whi Blac Qual	57 57 nopy Species te Spruce ck Cherry king Aspen	Low 81-110 Density Low Trace Trace	N/A Avg. Height Variable >20 feet 5 - 10 feet	Sapling Size Sapling Tall Shrub	Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square	
•	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen	Jpland Con % Cover 56 11 8 20	Log/XLog ifers Pc Size Class Pole/Log Pole/Log Log/Pole Log/Pole	17 Detimb 9 9 12 11	I Age	Blac 3.8 Sub-Ca Whi Blac Qual	57 57 nopy Species te Spruce ck Cherry king Aspen	Low 81-110 Density Low Trace Trace	N/A Avg. Height Variable >20 feet 5 - 10 feet	Sapling Size Sapling Tall Shrub Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry	Jpland Con % Cover 56 11 8 20 2	Log/XLog ifers Pc Size Class Pole/Log Pole/Log Log/Pole Log/Pole Pole	17 Detimb 9 9 12 11 6	I Age	Blac 3.8 Sub-Ca Whi Blac Qual	57 57 nopy Species te Spruce ck Cherry king Aspen	Low 81-110 Density Low Trace Trace	N/A Avg. Height Variable >20 feet 5 - 10 feet	Sapling Size Sapling Tall Shrub Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch	Jpland Con % Cover 56 11 8 20 2 1	Log/XLog ifers Po Size Class Pole/Log Pole/Log Log/Pole Log/Pole Pole Log/XLog Pole	17 Detimb 9 9 12 11 6 16 7	I Age	Blac 3.8 Sub-Ca Whi Blac Quał Ba	57 57 nopy Species te Spruce ck Cherry king Aspen	Low 81-110 Density Low Trace Trace	N/A Avg. Height Variable >20 feet 5 - 10 feet	Sapling Size Sapling Tall Shrub Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch	Jpland Con % Cover 56 11 8 20 2 1 1 2 wland Ceda	Log/XLog ifers Po Size Class Pole/Log Pole/Log Log/Pole Log/Pole Pole Log/XLog Pole	17 DBH 9 9 12 11 6 16 7 DBH	57	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4	57 57 57 te Spruce ck Cherry king Aspen Ilsam Fir	Low B-110 Density Low Trace Trace Low Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable	Sapling Size Sapling Tall Shrub Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Lov	Jpland Con % Cover 56 11 8 20 2 1 1 2 wland Ceda	Log/XLog ifers Pole/Log Pole/Log Pole/Log Log/Pole Log/Pole Log/XLog Pole r Pole	17 DBH 9 9 12 11 6 16 7 DBH	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 32.4 Sub-Ca	57 nopy Species te Spruce ck Cherry king Aspen Ilsam Fir 129	Low B-110 Density Low Trace Trace Low Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A	Sapling Size Sapling Tall Shrub Sapling Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Low Canopy Species	Jpland Con % Cover 56 11 8 20 2 1 2 1 2 wland Ceda % Cover	Log/XLog ifers Po Size Class Pole/Log Pole/Log Log/Pole Log/Pole Pole Log/XLog Pole r Pole Size Class	17 DBH 9 9 12 11 6 16 7 DBH DBH	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba	57 nopy Species te Spruce ck Cherry king Aspen Ilsam Fir 129 nopy Species	Low BI-110 Density Low Trace Trace Low Low Low Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height	Sapling Size Sapling Tall Shrub Sapling Sapling Size	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Low Canopy Species White Spruce	Jpland Con % Cover 56 11 8 20 2 1 2 1 2 wland Ceda % Cover 7	Log/XLog ifers Pole Size Class Pole/Log Pole/Log Log/Pole Log/Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole	17 Detime 9 9 12 11 6 16 7 Detime DBH 12 12 11 12 12 12 12 12 12 12	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba Ta	ck Spruce 57 nopy Species te Spruce ck Cherry king Aspen ilsam Fir 129 129 nopy Species ilsam Fir	Low Low Low Trace Low Low Low Low Low Low Low Low Low Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub Sapling Sapling Size Sapling	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Low Canopy Species White Spruce Paper Birch	Jpland Con % Cover 56 11 8 20 2 1 1 2 wland Ceda % Cover 7 3	Log/XLog ifers Pole/Log Pole/Log Pole/Log Log/Pole Log/Pole Log/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/Pole Pole Pole Pole	17 Detime 9 9 12 11 6 16 7	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba Ta	57 nopy Species te Spruce ck Cherry king Aspen ilsam Fir 129 nopy Species ilsam Fir ag Alder	Low Low Low Trace Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub Sapling Sapling Size Sapling Tall Shrub	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
-	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Black Cherry White Pine 6120 - Low Canopy Species White Spruce Paper Birch Tamarack	Jpland Con % Cover 56 11 8 20 2 1 2 1 2 wland Ceda % Cover 7 3 1	Log/XLog ifers Pole/Log Pole/Log Pole/Log Log/Pole Log/Pole Log/XLog Pole Cog/XLog Pole Cog/XLog Pole Log/Alog Pole Cog/Pole Cog Cog Cog Cog	17 ■ ■ 9 9 12 16 7	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba Ta	57 nopy Species te Spruce ck Cherry king Aspen ilsam Fir 129 nopy Species ilsam Fir ag Alder	Low Low Low Trace Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub Sapling Sapling Size Sapling Tall Shrub	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Low Canopy Species White Spruce Paper Birch Tamarack Black Spruce	Jpland Con % Cover 56 11 8 20 2 1 2 1 2 wland Ceda % Cover 7 3 1 8	Log/XLog ifers Pole/Log Pole/Log Pole/Log Log/Pole Log/Pole Log/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Pole Cog/XLog Cog Cog Cog Cog Pole Cog Cog Cog Cog Cog Cog Cog Cog	17 DBH 9 9 12 11 6 16 7	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba Ta	57 nopy Species te Spruce ck Cherry king Aspen ilsam Fir 129 nopy Species ilsam Fir ag Alder	Low Low Low Trace Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub Sapling Sapling Size Sapling Tall Shrub	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	
5	White Pine 429 - Mixed L Canopy Species White Spruce Balsam Fir Red Maple Quaking Aspen Black Cherry White Pine Paper Birch 6120 - Low Canopy Species White Spruce Paper Birch Tamarack Black Spruce Red Maple	Jpland Con % Cover 56 11 8 20 2 1 1 2 wland Ceda % Cover 7 3 1 8 2 2 1 1 2 1 1 1 2 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 2 1 2 1 2 2 1 1 2 2 1 2 2 1 2 2 1 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Log/XLog ifers Pole/Log Pole/Log Pole/Log Log/Pole Log/Pole Log/XLog Pole Cog/XLog Pole Log/XLog Pole Log/Alog Pole/Log Pole/Log Pole/Log Pole/Log	17 DBH 9 9 12 11 6 16 7 DBH 12 18 12 18 12 18 12 8 8 8 8	Final Stress of the second sec	Blac 3.8 Sub-Ca Whi Blac Qual Ba 32.4 Sub-Ca Ba Ta	57 nopy Species te Spruce ck Cherry king Aspen ilsam Fir 129 nopy Species ilsam Fir ag Alder	Low Low Low Trace Low	N/A Avg. Height Variable >20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Size Sapling Tall Shrub Sapling Sapling Size Sapling Tall Shrub	resemble a plantation due to the other species that are mixed in. Scattered white spruce mortality but not a significant amount. The cent part of the stand lies in a slight depression but doesn't appear to be we at least at this time. Other species that were present but rare include re pine (log) and red oak (log). Average ba/acre from 5 plots = 96 square feet. Do not manage this entry due to this stands value as a visual buff for the adjacent clearcut. Consider managing next entry.	

Stand

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Report 7 – Stands

Compartment: 52 Year of Entry: 2026

Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site **General Comments** 6122 - Black Spruce Poletimber Well 2.0 44 81-110 N/A Old cedar strip cut, no cedar regeneration is present, although spruce did grow in well and is good quality. Average ba/acre from 4 plots = 108 DBH Age **Canopy Species** % Cover Size Class Sub-Canopy Species Densitv Avg. Height Size square feet. 5 Black Spruce 10 - 20 feet Sapling White Spruce 5 Pole/Sapling Low 3 Paper Birch 5 Sapling/Pole Balsam Fir High 10 - 20 feet Sapling 3 Balsam Fir 15 Sapling/Pole Willow spp. Low >20 feet Tall Shrub Black Spruce 68 Pole/Sapling 5 44 Quaking Aspen 1 Pole 6 3 Pole/Sap/Log 7 Tamarack 3 6 Balsam Poplar Pole/Sapling 4191 - Mixed Upland Deciduous with Poletimber Well 3.6 86 81-110 N/A Odd stand that has a lot of variation. The north half of the stand is mostly Conifer hardwoods while the south half transitions to a mix of aspen, spruce, fir. and birch. Average ba/acre from 7 plots = 104 square feet. All along the **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size east and south edges of the stand are a series of large pits, some of Quaking Aspen 14 Loa/Pole 11 Black Cherry Low Variable Tall Shrub which have water in them. There is also a small, flat open area at the 5 southwest corner with an old road leading out of it to the northeast. The Ironwood 4 Pole/Sapling Leatherwood Medium < 5 feet Tall Shrub areas with pits and mounds have younger trees growing in them. The White Spruce 12 9 White Spruce Medium Variable Sapling Pole/Log 98DOQ imagery shows these areas well. Not sure of the history as there >20 feet Basswood 18 Loa/Pole 10 Ironwood Low Sapling are no old notes indicating what this area was in the past, possibly old 2 6 Balsam Fir borrow pits when the adjacent well pad to the north was cleared? Red Maple Pole Medium Variable Sapling 8 Paper Birch 5 Pole/Loa Sugar Maple Trace >20 feet Sapling 20 86 Sugar Maple Log/Pole 11 7 Black Cherry 8 Pole Balsam Fir 8 11 Pole/Log 3105 - Mixed Upland Herbaceous Nonstocked 1.7 Unspecified ze

			-			
		Sub-Can	opy Species	Density	Avg. Height	Size
		Balsa	m Poplar	Trace	Variable	Sapling
		White	e Spruce	Trace	Variable	Sapling
		Pape	er Birch	Trace	>20 feet	Sapling
		Bals	sam Fir	Trace	Variable	Sapling
		Mixed	Grasses	High	Unspecified	Non-Wood
		Catt	ail spp.	Trace	Unspecified	Non-Wood
42311 - Planted Spruce, Mixed Deciduous	Poletimber Medium	3.4	57	81-110	N/A	
anopy Species % Cover Size C	lass DBH Age	Sub-Can	opv Species	Densitv	Ava. Heiaht	Size

Canopy Spe	cies %	Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	/	7	Pole/Log	8		Quaking Aspen	Low	5 - 10 feet	Sapling
White Spruc	Э	71	Pole/Log	9	57	Balsam Poplar	Trace	Variable	Sapling
Balsam Popla	ar	2	Pole	8		Black Cherry	Trace	Variable	Tall Shruk
Quaking Aspe	en	20	Log/Pole	11		White Spruce	Low	Variable	Sapling
0 1			5			•			

Small stand of planted white spruce with some aspen mixed in. Generally limby white spruce, although quality does improve in the more densely stocked parts of the stand. Some areas of blowdown are present along the west/southwest edge as a result of the recent clearcut, and some younger aspen has sprouted in these areas. An old road enters the stand from Sparr Road and splits into two routes, leading to the old well pad to the south. There are some areas of wetter ground in these old roads and some BAM and white spruce saplings are present. Average ba/acre from 6 plots = 88 square feet. No reason to manage at this time as it is serving well as a visual buffer for the recent clearcut. Consider managing next entry.

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											Year of Entry: 2026			
Stand	d Level 4 Cover Type		S	Size Density		Acres Stand Age BA Range		Managed S	Site	General Comments				
10	6120 - Lowland Cedar		ar Po	oletimber Poo	oletimber	Poor	13.1	129	1-50	N/A		Poorly-stocked, wet stand with dead and dying cedar throughout, some of		
	Canopy Species	% Cover	Size Class	ize Class DBH Age		Sub-Canop	y Species	Density	Avg. Height	Size	which has blown over. The southwest part of the stand transitions to somewhat drier ground and is where most of the white spruce componen			
	Paper Birch	4 Pole/Log 9				Paper E	Birch	Trace	>20 feet	Sapling	is located. Heavy deer pressure in the stand with many heavily browsed			
	Balsam Poplar 2 Log/Pole 10					Balsam Poplar		Low	Variable	Sapling	black ash seedlings. Average ba/acre from 4 plots = 48 square feet. N			
No	orthern White Cedar	53	Pole/Log	9 1	29	White S	pruce	Low	5 - 10 feet	Seeding	management due to the wet soils.			
	Balsam Fir	10	Pole	6		Tamar	rack	Trace	>20 feet	Sapling				
	Red Maple	6	Pole	7		Black	Ash	High	10 - 20 feet	Sapling				
	White Spruce	25	Log/Pole/XLog	12 1	02	Balsam	n Fir	Low	Variable	Sapling				
11	6124 - Lowla	and Spruce	-Fir :	Sapling V	Vell	7.7	40	111-140	N/A		Old cedar clearcut that was harvested in several small chunks from 1982			
	Canopy Species	% Cover	Size Class	DBH A	\ge	Sub-Canop	y Species	Density	Avg. Height	Size	1986. Objective was to feed deer. No cedar regeneration but spruce and fir have grown in well and are densely stocked in most places. Both			
	Tamarack	2	Pole	6		Black Sp	pruce	Low	Variable	Sapling	species of spruce are present, difficult to distinguish between the two in			
	Balsam Fir	35	Sapling/Pole	3		Black	Ash	Trace	Variable	Sapling	some areas. Average ba/acre from 6 plots = 122 square feet. Old logging			
	Black Spruce	40	Pole/Sapling	5	40	Tag Al	lder	Trace	10 - 20 feet	Tall Shrub	roads are still easily visible in the stand, with one running north-south along the entire western edge of the "main" part of the stand. The ground			
	Balsam Poplar	2	Pole	7		Balsan	n Fir	Medium	Variable	Sapling	doesn't appear very wet in all places of the stand making it likely			
		-	Dele/Carling	5							available for management again in the future.			
	White Spruce	9	Pole/Sapling	5										
	Paper Birch	8	Sapling/Pole	5										
		-	1 0											
12	Paper Birch	8	Sapling/Pole Sapling/Pole	4	ced	1.3	Ui	nspecified	No		Plugged in 2008. St Charlton 3-27, Merit Energy			
12	Paper Birch Red Maple	8	Sapling/Pole Sapling/Pole	4 3	ked			•		Size				
12	Paper Birch Red Maple	8	Sapling/Pole Sapling/Pole	4 3	xed	Sub-Canop	y Species	Density	Avg. Height	Size	Plugged in 2008. St Charlton 3-27, Merit Energy			
12	Paper Birch Red Maple	8	Sapling/Pole Sapling/Pole	4 3	xed	Sub-Canop Mixed Gr	y Species rasses	Density Full	Avg. Height Unspecified	Non-Wood	Plugged in 2008. St Charlton 3-27, Merit Energy			
12	Paper Birch Red Maple	8	Sapling/Pole Sapling/Pole	4 3	xed	Sub-Canop Mixed Gr Balsam	y Species rasses n Fir	Density Full Trace	Avg. Height Unspecified Variable	Non-Wood Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy			
12	Paper Birch Red Maple 3105 - Mixed Up	8 4 Dland Herb	Sapling/Pole Sapling/Pole	4 3	xed	Sub-Canop Mixed Gr	y Species rasses n Fir	Density Full	Avg. Height Unspecified	Non-Wood	Plugged in 2008. St Charlton 3-27, Merit Energy			
	Paper Birch Red Maple 3105 - Mixed Up 4130 -	8	Sapling/Pole Sapling/Pole aceous	4 3 Nonstock	Well	Sub-Canop Mixed Gr Balsarr White Sp 17.3	y Species rasses n Fir pruce 51	Density Full Trace	Avg. Height Unspecified Variable	Non-Wood Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from			
	Paper Birch Red Maple 3105 - Mixed Up 4130 Canopy Species	- Aspen % Cover	Sapling/Pole Sapling/Pole aceous Po Size Class	4 3 Nonstock Deletimber	Well	Sub-Canop Mixed Gr Balsam White Sp 17.3 Sub-Canop	y Species rasses n Fir pruce 51 y Species	Density Full Trace Trace 141-170 Density	Avg. Height Unspecified Variable Variable N/A Avg. Height	Non-Wood Sapling Sapling Size	Plugged in 2008. St Charlton 3-27, Merit Energy			
	Paper Birch Red Maple 3105 - Mixed Up 4130 - Canopy Species Paper Birch	- Aspen % Cover	Sapling/Pole Sapling/Pole aceous	4 3 Nonstock Deletimber DBH 8	Well	Sub-Canop Mixed Gr Balsam White Sp 17.3 Sub-Canop Ironwo	y Species rasses n Fir pruce 51 y Species pood	Density Full Trace Trace Trace Trace Trace Trace Trace Trace	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable	Non-Wood Sapling Sapling Size Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along			
	Paper Birch Red Maple 3105 - Mixed Up 4130 Canopy Species	- Aspen % Cover	Sapling/Pole Sapling/Pole aceous Po Size Class	4 3 Nonstock Deletimber DBH 8 9	Well	Sub-Canop Mixed Gr Balsam White Sp 17.3 Sub-Canop	y Species rasses n Fir pruce 51 y Species pood	Density Full Trace Trace 141-170 Density	Avg. Height Unspecified Variable Variable N/A Avg. Height	Non-Wood Sapling Sapling Size	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen			
	Paper Birch Red Maple 3105 - Mixed Up 4130 - Canopy Species Paper Birch	- Aspen % Cover	Sapling/Pole Sapling/Pole aceous Pole Size Class Pole/Log	4 3 Nonstock Deletimber DBH 8	Well	Sub-Canop Mixed Gr Balsam White Sp 17.3 Sub-Canop Ironwo	y Species rasses n Fir pruce 51 y Species pood cherry	Density Full Trace Trace Trace Trace Trace Trace Trace Trace	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable	Non-Wood Sapling Sapling Size Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen due to beaver activity many years ago. Trace of black spruce (pole) and			
	Paper Birch Red Maple 3105 - Mixed Up 4130 Canopy Species Paper Birch Basswood	- Aspen % Cover 3 1	Sapling/Pole Sapling/Pole aceous Pole/Log Pole/Log	4 3 Nonstock Detimber DBH 4 8 9 7	Well	Sub-Canopy Mixed Gr Balsarr White Sp 17.3 Sub-Canopy Ironwo Black C	y Species rasses n Fir pruce 51 y Species pod herry aple	Density Full Trace Trace 141-170 Density Trace Trace	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable Variable	Non-Wood Sapling Sapling Size Sapling Tall Shrub	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen			
	Paper Birch Red Maple 3105 - Mixed Up 4130 Canopy Species Paper Birch Basswood Balsam Fir	- Aspen % Cover 3 1 7	Sapling/Pole Sapling/Pole aceous Pole Size Class Pole/Log Pole/Log Pole	4 3 Nonstock Detimber DBH 8 9 7	Well	Sub-Canopy Mixed Gr Balsarr White Sp 17.3 Sub-Canopy Ironwo Black C Red Ma	y Species rasses n Fir pruce 51 y Species ood herry aple Ash	Density Full Trace Trace 141-170 Density Trace Trace Trace	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable Variable >20 feet	Non-Wood Sapling Sapling Size Sapling Tall Shrub Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen due to beaver activity many years ago. Trace of black spruce (pole) and white pine (log) in the canopy. Average ba/acre from 12 plots = 142			
	Paper Birch Red Maple 3105 - Mixed Up 4130 - 4130 - Canopy Species Paper Birch Basswood Balsam Fir Bigtooth Aspen	8 4 Dland Herb 4 - Aspen √ % Cover 3 1 7 33 33	Sapling/Pole Sapling/Pole aceous Pole Size Class Pole/Log Pole/Log Pole Pole	4 3 Nonstock Detimber DBH 8 9 7 9 8 9 8	Well	Sub-Canopy Mixed Gr Balsam White Sp 17.3 Sub-Canopy Ironwo Black C Red Ma White J	y Species rasses n Fir pruce 51 y Species bood therry aple Ash pruce	Density Full Trace Trace 141-170 Density Trace Trace Trace Trace	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable Variable >20 feet >20 feet	Non-Wood Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen due to beaver activity many years ago. Trace of black spruce (pole) and white pine (log) in the canopy. Average ba/acre from 12 plots = 142			
	Paper Birch Red Maple 3105 - Mixed Up 4130 - 4130 - 6 Canopy Species Paper Birch Basswood Balsam Fir Bigtooth Aspen White Spruce	- Aspen - Aspen - Cover 3 1 7 33 2	Sapling/Pole Sapling/Pole aceous Research Size Class Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	4 3 Nonstock Detimber DBH 8 9 7 9 8 9 8	Well	Sub-Canopy Mixed Gr Balsam White Sy 17.3 Sub-Canopy Ironwo Black C Red Ma White Sy	y Species rasses n Fir pruce 51 y Species bood therry aple Ash pruce	Density Full Trace Trace 141-170 Density Trace Trace Trace Trace Trace Low	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable Variable >20 feet >20 feet Variable	Non-Wood Sapling Sapling Size Sapling Tall Shrub Sapling Sapling Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen due to beaver activity many years ago. Trace of black spruce (pole) and white pine (log) in the canopy. Average ba/acre from 12 plots = 142			
12	Paper Birch Red Maple 3105 - Mixed Up 4130 - 4130 - 6 Canopy Species Paper Birch Basswood Balsam Fir Bigtooth Aspen White Spruce Quaking Aspen	- Aspen - Aspen - Aspen - 3 1 7 33 2 44	Sapling/Pole Sapling/Pole Sapling/Pole aceous Role/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	4 3 Nonstock Detimber DBH 8 9 7 9 8 9 8 9 8 9 8 9 9 8 9	Well	Sub-Canopy Mixed Gr Balsam White Sy 17.3 Sub-Canopy Ironwo Black C Red Ma White Sy	y Species rasses n Fir pruce 51 y Species bood therry aple Ash pruce	Density Full Trace Trace 141-170 Density Trace Trace Trace Trace Trace Low	Avg. Height Unspecified Variable Variable N/A Avg. Height Variable Variable >20 feet >20 feet Variable	Non-Wood Sapling Sapling Size Sapling Tall Shrub Sapling Sapling Sapling	Plugged in 2008. St Charlton 3-27, Merit Energy Nice aspen stand. Lots of coarse woody debris in the north half from recent blowdown and fir mortality. Some scattered hardwoods are present, more in the north half, and are a mix of larger residual stems and newer ingrowth. Rolling terrain in the south half of the stand. Along the southern edge is a strip of mostly fir and spruce without much aspen due to beaver activity many years ago. Trace of black spruce (pole) and white pine (log) in the canopy. Average ba/acre from 12 plots = 142			

Compartment: 52 Year of Entry: 2026

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Stand Level 4 Cover Type Size Density			Size Density	Acres Stand Age E	A Range	Managed	Site	General Comments			
14	6229 - Mixe	d lowland s	and shrub Nonstocked 6.8			Inspecified	No		Old cedar clearcut along with adjacent stands 11, 15, 110, and 116. This		
					Sub-Canopy Species	Density	Avg. Height	Size	stand did not regenerate well although there are a couple scattered clumps of decent regen. Alder is more prevalent in the south half.		
					White Pine	Trace	Variable	Sapling	Scattered wet pockets with cattails without many trees or alder. A stream		
			-	White Spruce	Low	Variable	Sapling	flows through the length of the stand and is currently dammed by beavers			
				-	Sedges	Medium	Unspecified	Non-Wood	at the north end. With continued growth, this stand may have enough tree cover to be a forested stand next entry (Q4).		
				-	White Pine	Trace	>20 feet	Pole			
				-	Tag Alder	Medium	10 - 20 feet	Tall Shrub			
				-	White Spruce	Low	>20 feet	Pole			
				-	Black Spruce	Low	Variable	Sapling			
					Tamarack	Trace	>20 feet	Pole			
					Balsam Fir	Low	Variable	Sapling	•		
				-	Northern White Cedar	Trace	>20 feet	Log			
				-	Cattail spp.	Low	Unspecified	Non-Wood			
					Tamarack	Trace	Variable	Sapling			
				-	Willow spp.	Trace	Variable	Tall Shrub			
				-	Balsam Fir	Low	>20 feet	Pole			
15	6124 - Lowl	land Spruce	e-Fir Sa	apling Medium	7.2 40	51-80	N/A		Old cedar clearcut that was harvested in small blocks over the years of 1982-1986. Virtually no cedar regeneration observed except for a handful		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	of severely browsed seedlings. Spruce and fir has regenerated the best.		
	White Spruce	18	Sapling/Pole	4	Balsam Fir	Medium	5 - 10 feet	Sapling	A nice pocket of birch regeneration can be found in the middle of the		
	Balsam Poplar	6	Sapling/Pole	3	Tag Alder	Medium	10 - 20 feet	Tall Shrub	stand. BAM is mostly at the southern end. A few areas of this stand were previously flooded but the water has since receded and some conifers		
	Paper Birch	10	Sapling/Pole	3					have started to fill in (see 98DOQ imagery). Not an overly wet stand in all		
	Balsam Fir	44	Sapling/Pole	3 40					areas, there may be some upland ground mixed in.		
	Red Maple	6	Pole/Sapling	5							
	Black Spruce	15	Sapling/Pole	4							
	White Pine	1	Sapling/Pole	3							
16	3105 - Mixed U	Ipland Herb	aceous	Nonstocked	2.0 U	Inspecified	No		Previously this was an unsuccessful Niagaran oil pad, plugged in 1995. Some conifers were planted in the stand and are mostly healthy,		
							Sub-Canopy Species	Density	Avg. Height	Size	although damage to the boles of the stems from elk have killed a few
					Mixed Grasses	Full	Unspecified	Non-Wood	trees.		
					White Spruce	Low	10 - 20 feet	Sapling			
					Balsam Fir	Trace	Variable	Sapling			

Compartment: 52 Year of Entry: 2026

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Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	A Range	Managed	Site	General Comments	
17	4134 - Aspe	en, Spruce/	Fir	Poletimbe	er Well	7.5	51	111-140	N/A		Moderate quality aspen stand although there are areas in the interior	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	where the aspen is poor quality and in decline. White spruce is common throughout, both individually and in clumps. Most of the spruce is	
	Balsam Fir	7	Pole	7		Bal	lsam Fir	Low	Variable	Sapling	poletimber, sawtimber-sized stems are relatively rare. A small clump of	
	Black Cherry	1	Pole	6		Blac	k Cherry	Trace	Variable	Tall Shrub	hardwoods is present along the north edge. A very large white pine (30"+	
	White Pine	1	Log/XLog	17		Whit	e Spruce	Low	>20 feet	Sapling	DBH) is at the southwest side of the stand. There is a lot of coarse of debris in the stand, some from blowdown due to the adjacent clearc and also from fir and spruce mortality. Previous report for a stick new from the stand stand spruce mortality.	
	Sugar Maple	2	Pole/Log	9								
	Quaking Aspen	51	Pole/Log	9	51						the northwest part of the stand but was not found during this inventory.	
	Red Maple	12	Pole/Log	8							Undulating terrain throughout the stand with a few short, steep slopes near the swamp edge on the south side. Trace of paper birch (pole), red	
	Bigtooth Aspen	10	Pole/Log	9	51						pine (log/xlog), basswood (pole/log), and white ash (pole) in the	
	White Spruce	16	Pole/Log	8							overstory. Average ba/acre from 8 plots = 114 square feet.	
18	6120 - Lov	wland Ceda	ır	Sawtimbe	er Well	21.8	127	201+	N/A		High quality, very dense, and healthy cedar stand. The understory is	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	barren in most places of the stand due to the dense stocking. Only a few small areas of cedar decline noted at the northeast and southwest	
	Paper Birch	2	Pole/Log	9		Bal	lsam Fir	Trace	Variable	Sapling	corners. Scattered small pockets of blowdown throughout, although it	
	Black Spruce	7	Pole/Log	8		Та	g Alder	Trace	Variable	Tall Shrub	appears to be from many years ago. Terrain gently slopes down to the	
	Balsam Fir	6	Pole/Log	8							¹ north and there appears to be numerous seeps in this stand, along with at least one stream. Trace of white pine (log/xlog) and red maple	
	rthern White Cedar	84	Log/Pole	11	127						(log/pole) in the overstory. Average ba/acre from 10 plots = 249 square	
Nor												
Nor	White Spruce	1	Log	14							feet. Old logging roads run throughout the west half of the stand (visible	
Nor		-	-									
Nor		1	Log			29.1	U	nspecified	No		feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old	
	White Spruce	1 mergent W	Log	14	cked	29.1		nspecified	No		feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old	
19	White Spruce 6239 - Mixed E	1 mergent W	Log	Nonsto	cked	1.1			No Avg. Height	Size	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management.	
19	White Spruce 6239 - Mixed E	1 mergent W	Log	Nonsto	cked	1.1 Sub-Car	U	nspecified		Size Tall Shrub	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management.	
19	White Spruce 6239 - Mixed E	1 mergent W	Log	Nonsto	cked	1.1 Sub-Ca r Autu	U nopy Species	nspecified Density	Avg. Height		feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management.	
19	White Spruce 6239 - Mixed E	1 mergent W	Log	Nonsto	cked	1.1 Sub-Car Autu Spotteo	U nopy Species Imn Olive	nspecified Density Trace	Avg. Height 5 - 10 feet	Tall Shrub	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management.	
19	White Spruce 6239 - Mixed E	1 mergent W	Log	Nonsto	cked	1.1 Sub-Car Autu Spotted Ba	U n opy Species Imn Olive d Knapweed	nspecified Density Trace High	Avg. Height 5 - 10 feet Unspecified	Tall Shrub Non-Wood	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed.	
19	White Spruce 6239 - Mixed E 3105 - Mixed Up	1 mergent W	etland	Nonsto	cked	1.1 Sub-Car Autu Spotted Ba	U nopy Species Imn Olive d Knapweed Isam Fir	nspecified Density Trace High Trace	Avg. Height 5 - 10 feet Unspecified Variable	Tall Shrub Non-Wood Seeding	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which	
19 20	White Spruce 6239 - Mixed E 3105 - Mixed Up 6122 - Bl	mergent W Dland Herba	etland	Nonsto	cked cked	1.1 Sub-Car Autu Spotted Bar Mixed 2.6	U mopy Species Imn Olive d Knapweed Isam Fir d Grasses 97	nspecified Density Trace High Trace Full	Avg. Height 5 - 10 feet Unspecified Variable Unspecified	Tall Shrub Non-Wood Seeding	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are some	
19 20	White Spruce 6239 - Mixed E 3105 - Mixed Up	mergent W Dland Herba	etland	14 Nonsto Nonsto	cked cked	1.1 Sub-Car Autu Spotted Bar Mixed 2.6 Sub-Car	U nopy Species Imn Olive d Knapweed Isam Fir d Grasses	nspecified Density Trace High Trace Full 81-110	Avg. Height 5 - 10 feet Unspecified Variable Unspecified	Tall Shrub Non-Wood Seeding Non-Wood	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are some areas of lower BAs. Thick balsam fir understory along the east 1/2 of the	
19 20	White Spruce 6239 - Mixed E 3105 - Mixed Up 6122 - Bl Canopy Species	nergent W bland Herba ack Spruce % Cover	Log etland aceous Size Class	14 Nonsto Nonsto Poletimbe DBH	cked cked	1.1 Sub-Car Autu Spottec Bal Mixeo 2.6 Sub-Car Bal	U mopy Species mn Olive d Knapweed Isam Fir d Grasses 97 nopy Species	nspecified Density Trace High Trace Full 81-110 Density	Avg. Height 5 - 10 feet Unspecified Variable Unspecified N/A Avg. Height	Tall Shrub Non-Wood Seeding Non-Wood	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are som	
19 20	White Spruce 6239 - Mixed E 3105 - Mixed Up 6122 - Bl 6122 - Bl Red Maple	ack Spruce	Log etland aceous Size Class Log	14 Nonsto Nonsto Poletimbe DBH 11	cked cked	1.1 Sub-Car Autu Spottec Bal Mixeo 2.6 Sub-Car Bal	U nopy Species Imn Olive d Knapweed Isam Fir d Grasses 97 97 nopy Species Isam Fir	Nspecified Density Trace High Trace Full 81-110 Density Medium	Avg. Height 5 - 10 feet Unspecified Variable Unspecified N/A Avg. Height Variable	Tall Shrub Non-Wood Seeding Non-Wood Size Sapling	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are som areas of lower BAs. Thick balsam fir understory along the east 1/2 of the stand. Average ba/acre from 4 plots = 88 square feet. No management	
19 20 21	White Spruce 6239 - Mixed E 3105 - Mixed Up 6122 - Bl 6122 - Bl Red Maple Balsam Fir	ack Spruce % Cover 2 13	Log etland aceous Size Class Log Pole	14 Nonsto Nonsto Poletimbe DBH 11 7	cked cked	1.1 Sub-Car Autu Spottec Bal Mixeo 2.6 Sub-Car Bal	U nopy Species Imn Olive d Knapweed Isam Fir d Grasses 97 97 nopy Species Isam Fir	Nspecified Density Trace High Trace Full 81-110 Density Medium	Avg. Height 5 - 10 feet Unspecified Variable Unspecified N/A Avg. Height Variable	Tall Shrub Non-Wood Seeding Non-Wood Size Sapling	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are som areas of lower BAs. Thick balsam fir understory along the east 1/2 of the stand. Average ba/acre from 4 plots = 88 square feet. No management	
19 20 21	White Spruce 6239 - Mixed E 3105 - Mixed Up 6122 - Bl 6122 - Bl Canopy Species Red Maple Balsam Fir Paper Birch	ack Spruce % Cover 2 13 5	Log etland aceous Size Class Log Pole Pole/Log	14 Nonsto Nonsto Poletimbe DBH 11 7 9	cked cked	1.1 Sub-Car Autu Spottec Bal Mixeo 2.6 Sub-Car Bal	U nopy Species Imn Olive d Knapweed Isam Fir d Grasses 97 97 nopy Species Isam Fir	NSPECIFIED Density Trace High Trace Full 81-110 Density Medium	Avg. Height 5 - 10 feet Unspecified Variable Unspecified N/A Avg. Height Variable	Tall Shrub Non-Wood Seeding Non-Wood Size Sapling	feet. Old logging roads run throughout the west half of the stand (visible on 98DOQ imagery) and are still largely free of any new growth. A small cedar log deer blind, that is in disrepair, can be found on one of the old roads. No management. Active gas well in stand. Lots of spotted knapweed. Good quality, well-stocked spruce stand except for the south half which has some areas of older blowdown and as a result of that there are some areas of lower BAs. Thick balsam fir understory along the east 1/2 of the stand. Average ba/acre from 4 plots = 88 square feet. No management	



Stand	Level 4 Cover Type	Size Density	Acres Stand Age E	BA Range	Managed	Site	General Comments	
22	330 - Low-Density Trees	Nonstocked	7.2 L	Inspecified	No		Scattered clumps of trees mixed in with non-forested openings. White	
			Sub-Canopy Species	pine is mostly in a dense clump in the middle part of the stand. A borderline forested stand with an average ba/acre from 9 plots of 28				
			Quaking Aspen	Trace	>20 feet	Pole	square feet. Rolling terrain that slopes down to the southeast. Heavy dee	
			Balsam Fir	Low	>20 feet	Log	and elk pressure as even some of the younger fir and white pine are	
			Red Maple	Trace	>20 feet	Sapling	showing browse damage.	
			Red Oak	Trace	>20 feet	Pole	-	
			Balsam Fir	Medium	>20 feet	Pole		
			Red Oak	Low	>20 feet	Log		
			Black Cherry	Medium	Variable	Tall Shrub		
			Red Maple	Low	>20 feet	Log		
			Mixed Grasses	High	Unspecified	Non-Wood		
			Witch Hazel	Trace	10 - 20 feet	Tall Shrub		
			White Pine	Low	>20 feet	Log		
			Red Maple	Medium	>20 feet	Pole		
			Quaking Aspen	Trace	5 - 10 feet	Sapling	•	
			White Spruce	Trace	Variable	Sapling		
			Balsam Fir	Low	Variable	Sapling		
			White Pine	Trace	Variable	Sapling		
			Bracken Fern	Medium	Unspecified	Non-Wood		
			Cladonia (Reindeer moss	s) High	Unspecified Non-Wood			
			Paper Birch	Trace	>20 feet	Pole		
23	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Wel	l 12.1 106	81-110	81-110 N/A		Wet lowland stand that does have some variability in composition. Ceda is scattered throughout the stand but is most common in the middle,	
Car	nopy Species % Cover Size C	lass DBH Age	Sub-Canopy Species	Density	Ava. Heiaht	Size	where there are a few dense clumps. Most of the cedar is large diameter	

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	9	Log/Pole	11		White Spruce	Low	Variable	Sapling
Northern White Cedar	30	Log/Pole	11	106	Balsam Fir	Low	Variable	Sapling
Quaking Aspen	5	Log	13		Black Ash	Low	10 - 20 feet	Sapling
Red Maple	5	Log/Pole	12		White Ash	Low	Variable	Sapling
Black Spruce	22	Pole/Log	9		Black Spruce	Trace	Variable	Sapling
Paper Birch	14	Log/Pole	10		Black Ash	Medium	< 5 feet	Seeding
Balsam Fir	15	Pole/Log	8		Tag Alder	Low	10 - 20 feet	Tall Shruk

Wet lowland stand that does have some variability in composition. Cedar is scattered throughout the stand but is most common in the middle, where there are a few dense clumps. Most of the cedar is large diameter and healthy. The northern end of the stand is a mix of good quality spruce, fir, and cedar. Portions of the south half, particularly along the west/southwest edge have low BAs as a result of blowdown that seems to have occurred many years ago. Deciduous species tend to be more common in the south half of the stand as well. Black and white spruce are both present and I found it difficult to distinguish between the two in many places. Heavy deer use as many black ash seedlings are severely browsed, looking like a stunted shrub. Trace of white ash poletimber that is alive and there is a large diameter elm (~16" DBH) in the middle of the stand that still looks alive. Average ba/acre from 7 plots = 106 square

feet. A very wet drainage flows north through the NW part of the stand. The majority of this stand is too wet to support any type of harvesting equipment, do not manage.



Stand	Level 4 C	over Ty	be	Size De	ensity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
24	6120 - Lo	wland C	edar	Poletimber Well		48.6	117	81-110	N/A		Mostly a wet lowland stand, about 2/3rds of which borders the Black River. There are some areas of upland on the north edge and there is typically more species diversity on this transition. A couple of old
Can	opy Species	pecies % Cover Size 0		ass DBH Age		Sub-Car	nopy Species	es Density	Avg. Height	Size	
Blac	ck Spruce	6	Pole/Log	g 8		Pap	er Birch	Low	>20 feet	Sapling	blowdown areas that have nice paper birch and BAM regen. This is old
Northern	White Cedar	63	Pole/Log	9	117	Balsa	am Poplar	Trace	Variable	Sapling	data from last inventory, did not visit the stand other than the edges
Balsa	am Poplar	2	Pole/Log	g 8		Та	g Alder	High	Variable	Tall Shrub	during this YOE.
Pap	per Birch	5	Pole/Log	3 8		Bal	sam Fir	High	Variable	Sapling	-
Та	amarack	1	Log/Pole	ə 11							
Wh	nite Pine	1	Log/XLog	g 17							
Ba	llsam Fir	15	Pole	7							
Re	ed Maple	5	Log/Pole	e 10							
Quak	king Aspen	2	Log	12							

25	6122 - Bla	e P	Poletimber Well			97	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Spec	ies Density	Avg. Height	Size
	Paper Birch	5	Pole/Log	9		Stripe	ed Maple	Trace	5 - 10 feet	Sapling
	Black Spruce	77	Pole/Sap/Log	7	97	Black	Spruce	Trace	5 - 10 feet	Sapling
	Balsam Fir	3	Pole	7		Тар	g Alder	Low	10 - 20 feet	Tall Shrub
No	rthern White Cedar	15	Log/Pole	10		Whi	ite Ash	Trace	10 - 20 feet	Sapling
						Bals	sam Fir	Low	Variable	Sapling

Nice black spruce stand, although diameters tend to vary and become much smaller in the northeast part of the stand. Sphagnum hummocks throughout most of the stand. Cedar is more common along the edges. Some small areas of older blowdown near the north and south ends of the stand. Trace of red maple (log/pole) in the canopy. Average ba/acre from 4 plots = 123 square feet.

26	4319 - Mixed	I Upland Fo	rest	Poletimber Well		2.8	76	81-110	N/A	
Cano	Canopy Species % Cover Size Class				I Age	Sub-Car	opy Species	Density	Avg. Height	Size
Northern	White Cedar	2	Log/Pole	12		Serviceber	rry (Juneberry)	Trace	Variable	Tall Shrub
Blac	<pre>Spruce</pre>	6	Pole	8		Blac	k Cherry	Low	Variable	Tall Shrub
Pap	er Birch	4	Pole/Log	8		Та	g Alder	Trace	10 - 20 feet	Tall Shrub
Bal	sam Fir	38	Pole/Log	8	76	Bal	sam Fir	Medium	Variable	Sapling
Quaki	ng Aspen	11	Pole/Log	8		White	e Spruce	Trace	Variable	Sapling
Red	l Maple	32	Pole/Log	8						
White	e Spruce	7	Pole/Log	8						

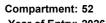
Upland ridge extending into the adjacent swamp. Some areas of lower stocking in the west half but the east half is mostly well-stocked. Possibly had a partial harvest many years ago as some of the aspen appears younger. Average ba/acre from 4 plots = 83 square feet. Old trash piles are present at the west end of the stand. No management at this time.

Nonstocked	11.1 U	nspecified	No	
	Sub-Canopy Species	Density	Avg. Height	Size
	Northern White Cedar	Low	>20 feet	Pole
	Black Ash	Trace	< 5 feet	Seeding
	White Spruce	Low	Variable	Sapling
	Phragmites (exotic)	Medium	Unspecified	Non-Wood
	Cattail spp.	High	Unspecified	Non-Wood
	Paper Birch	Low	Variable	Sapling
	Sedges	Medium	Unspecified	Non-Wood
	Balsam Fir	Low	Variable	Sapling
	White Spruce	Trace	>20 feet	Log

A stream passes through this stand which was dammed and flooded by beavers many years ago. Beavers are no longer active in the stand and the water has since subsided, leaving a stand of dead cedar, much of which has fallen over, making it nearly impossible to get through some areas. Scattered clumps of invasive phragmites are present throughout, one near the SW corner, the other near the SE corner, and one in the middle portion of the stand. The phragmites was sprayed in the summers of 2016-18, but is still persisting in the stand, although at lower amounts. Much of the stand is regenerating to trees, particularly in the north half and along the edges, at next entry this will likely be a Q1 or Q2 if the water levels do not rise again. I only viewed this stand from several places along the edges.

6239 - Mixed Emergent Wetland

27



							•				Year of Entry: 2026
Stand	Level 4 C	over Type	S	Size Do	ensity	Acres S	Stand Age B	A Range	Managed	Site	General Comments
28	6120 - Lo	wland Ceda	r Po	oletim	ber Well	26.3	102	141-170	N/A		A high quality cedar stand that is also interspersed with numerous
	Canopy Species	% Cover	Size Class	DBł	- Age	Sub-Cano	opy Species	Density	Avg. Height	Size	pockets of cedar dieback and decline south of the road (visible on 2020NAIP imagery), presumably due to water drainage issues. A stream
	Black Spruce	11	Pole/Log	8		Tag	Alder	Trace	Variable	Tall Shrub	
	Balsam Fir	4	Pole	7		Blac	ck Ash	Low	Variable	Sapling	getting backed up by the road, although a newly installed culvert may
	Paper Birch	4	Pole/Log	8		Bals	am Fir	Low	Variable	Sapling	help to alleviate these problems. The ground transitions to upland along the east edge and is where more of the deciduous tree species can be
	Quaking Aspen	2	Log	14					1		found. A few small pockets of spruce and tamarack can be found in the
	White Pine	1	XLog/Log	20							west/southwest part of the stand. Trace of balsam poplar (log) and white
No	rthern White Cedar	72	Pole/Log	8	102						spruce (log) in the overstory. Average ba/acre from 9 plots = 169 square
	Hemlock	1	Pole	7							feet. No management due to the wet soils and water features that are present.
	Red Maple	3	Pole/Log	9							
	Tamarack	2	Pole/Log	8							
29	6112 - Lov	wland Aspe	n Sa	apling	Medium	3.8	25 li	mmature	N/A		This stand was cut in 1999 in the sale Swamp Edge Aspen Blocks (#53-
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Cano	opy Species	Density	Avg. Height	Size	012-96-01), cut by AJD. Cut stumps indicate this was previously a cedar stand. Aspen regenerated moderately well but beavers removed a lot of it
	Black Spruce	2	Sapling	3		Catta	ail spp.	Medium	Unspecified	Non-Wood	from along the west half of the stand. This area is now filling in with
	White Spruce	18	Sapling/Pole	3		Black	Spruce	Trace	5 - 10 feet	Sapling	spruce and fir. Some areas of poor stocking scattered throughout. Very
	Balsam Fir	20	Sapling	3		Bals	am Fir	Low	5 - 10 feet	Sapling	wet ground in the west and northwest parts of the stand with areas of
	Quaking Aspen	60	Sapling/Pole	3	25	White	Spruce	Low	5 - 10 feet	Sapling	cattails. Trace of red pine (pole) and white pine (sap) in the stand.
30	6130 - Fir,	Aspen, Map	ole Po	oletim	ber Well	2.1	44	111-140	N/A		Old cedar strip cut that regenerated to a mix of species. Much wetter
	Canopy Species	% Cover	Size Class	DBł	- Age	Sub-Cano	opy Species	Density	Avg. Height	Size	soils than the strip cut to the north. Some areas of lower stocking, particularly in the southwest part of the stand. Trace of residual cedar.
	Quaking Aspen	3	Pole/Sapling	6		Bals	am Fir	Medium	Variable	Sapling	Average ba/acre from 4 plots = 130 square feet.
	Balsam Poplar	36	Pole/Sap/Log	7	44	Tag	Alder	Medium	Variable	Tall Shrub	
	Red Maple	1	Pole/Sapling	5		0					
	Balsam Fir	38	Pole/Sapling	5	44						
	Black Spruce	4	Pole/Sapling	6							
	Paper Birch	15	Sapling/Pole	4							
	Tamarack	3	Pole/Sapling	6							
31	6124 - Lowla	and Spruce	-Fir Sa	apling	Medium	3.5	40	51-80	N/A		Old cedar cut but no cedar regeneration was observed. Spruce and fir
	Canopy Species	% Cover	Size Class	DBł	H Age	Sub-Cano	opy Species	Density	Avg. Height	Size	dominate the canopy in most places although the west finger of stand has nice paper birch regeneration. The northeast portion of the stand is
	Paper Birch	9	Sapling	3		Tag	Alder	High	10 - 20 feet	Tall Shrub	not well-stocked and has a thick component of alder. Very wet ground
	Black Spruce	24	Sapling/Pole	4		Bals	am Fir	High	Variable	Sapling	throughout most of the stand.
	Tamarack	1	Pole/Sapling	5		Black	Spruce	Low	Variable	Sapling	
	Quaking Aspen	4	Pole/Sapling	6		Red	Maple	Low	Variable	Sapling	
	Red Maple	13	Sapling/Pole	4							4
	Balsam Fir	46	Sapling/Pole	3	40						
	White Spruce	3	Pole/Sapling	5							
		÷		-							

Stand

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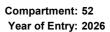
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Report 7 – Stands

AT OF NATURAL

	Pigeon River Country Mgt. Unit					Кер	ort 7 – Sta	anus		Compartment: 52 Year of Entry: 2026	
nd	Level 4 C	Cover Type	e S	ize Density	Acres	Stand Age B	A Range	Managed	Site	General Comments	
2	6139 - Mixed	Lowland I	Forest	Sapling Well	1.1	44	81-110	N/A		Old cedar strip cut that has regenerated to a mix of species, including an	
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	excellent amount of paper birch. No cedar regeneration was observed however. Very close to being a poletimber stand. Average ba/acre from 3	
	Balsam Fir	34	Sapling/Pole	4	Ba	alsam Fir	Medium	>20 feet	Sapling	plots = 107 square feet. Lowland but not an overly wet stand in most	
	Black Spruce	5	Sapling/Pole	4	Ta	ag Alder	Low	Variable	Tall Shrub		
	Tamarack	15	Pole/Sapling	5							
	Quaking Aspen	4	Pole/Log	8							
	Paper Birch	42	Sapling/Pole	4 44							
;	4119 - Mixed No	orthern Ha	rdwoods Po	oletimber Wel	I 3.9	94	81-110	N/A		Decent quality mixed hardwood stand. No sign of a recent treatment in	
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	the stand. Average ba/acre from 4 plots = 95 square feet.	
	Paper Birch	14	Pole/Log	9	Bla	ack Cherry	Trace	Variable	Tall Shrub		
	Quaking Aspen	11	Log/Pole	11	Ir	ronwood	High	>20 feet	Sapling		
	Balsam Fir	3	Pole	7	Ba	alsam Fir	Trace	Variable	Sapling		
	Sugar Maple	36	Pole/Log	8 94	W	/hite Ash	Low	< 5 feet	Seeding		
	Basswood	16	Log/Pole	12				1		1	
	Red Maple	16	Pole/Log	8							
	Red Oak	4	Log/XLog	16							
ŀ	6112 - Lo	wland Asp	en S	Sapling Well	9.0	27	mmature	N/A		Aspen stand that is a mix of upland and lowland in the west half,	
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	becoming all lowland in the east half. Clearcut in 1997 in the sale Swamp Edge Aspen Blocks (#53-012-96), bought by AJD. Well-stocked	
	White Ash	2	Sapling/Pole	4	W	/hite Ash	Low	Variable	Sapling	throughout the entire stand. A few poletimber-sized ash have grown into	
	Quaking Aspen	68	Sapling/Pole	4 27	Bla	ack Cherry	Medium	Variable	Tall Shrub	the canopy and appear uninfected by EAB at this time. Nice component	
	Bigtooth Aspen	5	Pole/Sapling	5	Re	ed Maple	Medium	Variable	Sapling	of black cherry in some places, most that have made it to the canopy have good form. Trace of red oak (sap/pole), balsam fir (sap), and white	
	Red Maple	10	Pole/Sapling	5	В	lack Ash	Low	Variable	Sapling	spruce (sap) in the overstory.	
	Black Cherry	5	Pole/Sapling	5	Ba	alsam Fir	Trace	Variable	Sapling		
	Balsam Poplar	10	Sapling/Pole	4	Wh	ite Spruce	Trace	Variable	Sapling		
					Ta	ag Alder	Medium	10 - 20 feet	Tall Shrub	ō	
					Serviceb	erry (Juneberry)	Trace	Variable	Tall Shrub		
5	4119 - Mixed N	orthern Ha	rdwoods Saw	rtimber Mediu	ım 11.8	89	51-80	N/A		Johnson's Crossing Campground lies in this stand. Generally poor quality	
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	hardwoods.	
	Red Oak	6	Log	14	Ir	ronwood	Medium	Variable	Sapling		
	Quaking Aspen	11	Log/Pole	12	W	/hite Ash	Low	< 5 feet	Seeding		

Canopy Species	% Cover	Size Class	DBH	Age	Su
Red Oak	6	Log	14		
Quaking Aspen	11	Log/Pole	12		
Ironwood	5	Pole	7		
Bigtooth Aspen	3	Log	14		
Sugar Maple	50	Log/Pole	10	89	
Basswood	13	Log/Pole	13		
Paper Birch	4	Log/Pole	11		
Red Maple	8	Pole/Log	8		



E

tand	d Level 4 Co	over Type		Size De	-	Acres	Stand Age E		Managed				
36	4130	- Aspen		Sapling	g Well	7.1	8	Immature	N/A		Stand harvested in December 2016/January 2017 in the sale Outhouse		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Aspen, #53-008-16-01. Whole-tree, flail harvest done by Tulgestka. Stand becomes wet the further east you go and there were a few		
	Ironwood	1	Sapling	1		Blac	k Cherry	Low	Variable	Tall Shrub			
	Black Cherry	1	Pole	8		Iro	onwood	Trace	< 5 feet	Seeding	fixing some of them which was moderately successful. The remainder o		
	Quaking Aspen	95	Sapling	1	8	Wild Re	d Raspberry	High	< 5 feet	Tall Shrub	the stand has regenerated very well to aspen with the exception of the landing area, little to no browse impacts on the aspen. Very little other		
	White Spruce	1	Log/XLog	15							species diversity in the stand other than aspen.		
	Red Oak	2	Log/XLog	16									
37	6220 - A	lder/willow		Nonsto	ocked	50.3	L	Inspecified	No		Only visited the edges of this stand. The Black River and multiple		
					[Sub-Car	nopy Species	es Density	Avg. Height	Size	tributaries flow through this stand.		
						ł	Alder	Full		Tall Shrub			
						l 10.0 91 111-140		N/A					
38	•							-			Nice hardwood/red oak stand. The red oak in particular is very high quality. The stand was set up for an ash salvage in 2014 but was never		
38	Canopy Species	% Cover	Size Class	DBH	er Well I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al		
38	Canopy Species Bigtooth Aspen	% Cover 2	Size Class Log/XLog	DB- 14		Sub-Car B	n opy Species Beech	Density Trace	Avg. Height Variable	Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now a dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain		
38	Canopy Species Bigtooth Aspen Red Maple	% Cover 2 4	Size Class Log/XLog Pole/Log	DBH 14 8	I Age	Sub-Car B Suga	n opy Species Beech ar Maple	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple	Cover 2 4 48	Size Class Log/XLog Pole/Log Pole/Log	DBH 14 8 8		Sub-Car B Suga	n opy Species Beech	Density Trace	Avg. Height Variable	Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now a dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak	% Cover 2 4 48 30	Size Class Log/XLog Pole/Log Pole/Log Log/XLog	DBH 14 8 8 8 16	I Age	Sub-Car B Suga	n opy Species Beech ar Maple	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood	Cover 2 4 48 30 12	Size Class Log/XLog Pole/Log Log/XLog Log/Pole	DBH 14 8 8 16 12	I Age	Sub-Car B Suga	n opy Species Beech ar Maple	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech	% Cover 2 4 30 12 1	Size Class Log/XLog Pole/Log Log/XLog Log/Pole	DBH 14 8 8 16 12 9	I Age	Sub-Car B Suga	n opy Species Beech ar Maple	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood	Cover 2 4 48 30 12	Size Class Log/XLog Pole/Log Log/XLog Log/Pole	DBH 14 8 8 16 12	I Age	Sub-Car B Suga	n opy Species Beech ar Maple	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is		
38	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech	% Cover 2 4 30 12 1 3	Size Class Log/XLog Pole/Log Log/XLog Log/Pole Pole/Log Pole	DBH 14 8 8 16 12 9	91	Sub-Car B Suga	nopy Species Beech ar Maple onwood	DensityTraceLow	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is		
	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech Ironwood	% Cover 2 4 30 12 1 3	Size Class Log/XLog Pole/Log Log/XLog Log/Pole Pole/Log Pole	DBH 14 8 8 16 12 9 6	91	Sub-Car B Suga Iro 1.8	nopy Species Beech ar Maple onwood	Density Trace Low Low	Avg. Height Variable >20 feet	Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now al dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is where a lot of the ash was located.		
	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech Ironwood	% Cover 2 4 30 12 1 3	Size Class Log/XLog Pole/Log Log/XLog Log/Pole Pole/Log Pole	DBH 14 8 8 16 12 9 6	91	Sub-Car B Suga Iro 1.8 Sub-Car	nopy Species Beech ar Maple onwood	Density Trace Low Low	Avg. Height Variable >20 feet >20 feet	Sapling Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now a dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is where a lot of the ash was located. Gas well. U around the edges.		
	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech Ironwood	% Cover 2 4 30 12 1 3	Size Class Log/XLog Pole/Log Log/XLog Log/Pole Pole/Log Pole	DBH 14 8 8 16 12 9 6	91	Sub-Car B Suga Iro 1.8 Sub-Car Mixeo	nopy Species Beech ar Maple onwood L nopy Species	Density Trace Low Low	Avg. Height Variable >20 feet >20 feet	Sapling Sapling Sapling Sapling	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now a dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is where a lot of the ash was located. Gas well. U around the edges.		
	Canopy Species Bigtooth Aspen Red Maple Sugar Maple Red Oak Basswood Beech Ironwood	% Cover 2 4 30 12 1 3	Size Class Log/XLog Pole/Log Log/XLog Log/Pole Pole/Log Pole	DBH 14 8 8 16 12 9 6	91	Sub-Car B Suga Iro 1.8 Sub-Car Mixeo Blac	nopy Species Beech ar Maple nwood Unwood	Density Trace Low Low	Avg. Height Variable >20 feet >20 feet Avg. Height Unspecified	Sapling Sapling Sapling Size Non-Wood	quality. The stand was set up for an ash salvage in 2014 but was never bid on. White ash was formerly around 20% of the canopy and is now a dead due to EAB. Some, but not all of it, has fallen over. Rolling terrain with some short, steep slopes. Trace of paper birch (pole/log), yellow birch (pole), and elm (pole) in the overstory. Average ba/acre from 7 plo = 119 square feet. BAs decrease to the north and northeast as that is where a lot of the ash was located. Gas well. U around the edges.		
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Compartment: 52

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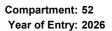
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Year	ot	Entry:	2026

Stand	Level 4 Co	over Type	S	Size De	ensity	Acres	Stand Age	BA Range	Managed	Site	General Comments
40	6229 - Mixed	- Mixed lowland shrub Nonstocke				9.7	0	Unspecified	612 - Lowland ( Fores		Cut in the late summer and early fall of 2018 during drought conditions by Mike Demaestri of Diversified Forestry. Skidding took place during the
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	winter. Sale was Hackmatack Heaven, #53-009-15-01. Mike did a great job of taking his time on the sale and limiting soil damage. No instances
						Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	of rutting. However, he had to build up main skid trails with significant
						Ta	amarack	Medium	< 5 feet	Seeding	amounts of slash in order to stay afloat. A few small areas of saplings
						Qual	king Aspen	Low	10 - 20 feet	Sapling	and dead trees were left where the ground was very wet. Scattered clumps of leave trees, mostly tamarack but a few black spruce and
						Blac	ck Spruce	Trace	>20 feet	Pole	cedar, were left throughout the stand.
						Ta	amarack	Low	>20 feet	Log	
						Re	ed Maple	Trace	5 - 10 feet	Sapling	2024 regen survey update - Water table has been raised following the cut and cattails are abundant. Alder has regenerated heavily in the west half
						Northerr	n White Cedar	Trace	>20 feet	Pole	of the stand. Tamarack seedlings are present throughout the stand, but
						Ca	attail spp.	High	Unspecified	Non-Wood	in somewhat of a "boom or bust" pattern meaning some areas have a lot
						Ba	alsam Fir	Low	Variable	Sapling	of seedlings whereas other areas are nonstocked. A few clumps of
						Red Os	sier Dogwood	Low	< 5 feet	Tall Shrub	quaking aspen regeneration at the east and west ends on drier ground. Some clumps of BAM saplings are present in the west end. Red maple
						Bals	am Poplar	Trace	5 - 10 feet	Sapling	regen only observed at the far east end. Regen survey results: tamarack 525 TPA (1' avg height), balsam poplar 75 TPA (3' avg height), red maple
											30 TPA (2' avg height), quaking aspen 13 TPA (3.5' avg height). Regen survey seemed to overestimate red maple and underestimate quaking aspen. This stand passes minimum guidelines for mixed conifer regeneration. Continue to monitor in the future.
41	1 500 - Water Nonstocked		ocked	1.3	0	Unspecified	No		This stand is currently flooded by beavers and under water. Previously it was a roughly 40 year old stand dominated by paper birch, fir, and spruce. It had been one of the small cedar strip cuts that was done throughout this Compartment. The old Johnson's Crossing railroad grade is the northern edge of the stand and that is where the beavers have built the dam. A small stream did pass through the adjacent lowland stand, flowing north through the grade and into the adjacent lowland stand.		
42	6123 - L	owland Fir	Pole	etimbe	r Mediun	n 1.9	44	51-80	N/A		Old cedar cut, however no cedar has regenerated. Regeneration is
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	almost all fir and paper birch and is not well-stocked in all places of the
	Paper Birch	13	Pole/Sapling	5			alsam Fir	Medium	Variable	Sapling	stand. A very wet site with a thick component of alder. Average ba/acre from 4 plots = 65 square feet.
	Balsam Fir	82	Pole/Sapling	5	44	Та	ag Alder	Full	10 - 20 feet	Tall Shrub	
	Black Spruce	5	Pole/Sapling	6			0				
43	4130	- Aspen	Po	oletimb	er Well	29.2	37	81-110	N/A		Moderate quality aspen stand. Diameters tend to vary, with some areas
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	still having smaller diameter stems. This variation is likely a result of the differing slopes and aspects throughout the stand. A few of the slopes
	Red Maple	3	Pole/Sapling	6		Strip	ped Maple	Trace	>20 feet	Sapling	are very steep yet all were able to be harvested. A few scattered larger
	Ironwood	3	Pole/Sapling	5		Re	ed Maple	Low	Variable	Sapling	diameter (8-12" DBH) sugar maple and beech were left from the previous
	Quaking Aspen	8	Pole/Sapling	7		W	hite Ash	Low	10 - 20 feet	Sapling	harvest. Well developed sugar maple understory in most places of the stand. All of the red oak in the stand is new in-growth and is not residual.
	Red Oak	3	Pole/Log	8		Ire	onwood	Medium	>20 feet	Sapling	There are some areas of aspen decline and mortality in the middle of the
	Bigtooth Aspen	77	Pole/Sap/Log	8	37	R	led Oak	Trace	>20 feet	Sapling	stand, it looks like it was primarily quaking aspen, and these areas are
	Black Cherry	1	Pole	5			Beech	Trace	Variable	Sapling	filling in with ironwood and white ash. A small non-forested area is
	Sugar Maple	5	Pole/Sap/Log				ck Cherry	Medium	Variable	Tall Shrub	present near the north end, likely a result of heavy browse. Trace of white spruce (pole) and white ash (pole) in the canopy. Average ba/acre from
			. 0	-	· · · · · · · · · · · · · · · · · · ·		gar Maple	High	>20 feet	Sapling	12 plots = 97 square feet. This stand will be ready for a harvest next



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Stand	Level 4 Cover Type			ize Dei	nsity	Acres Stand Age BA Range Managed Site				Site	Year of Entry: 2026 General Comments
44	6112 - Lowland Aspen			Sapling Well	9.3	27	Immature	N/A		Aspen stand that starts as upland on the south edge but transitions to	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	lowland as you move north. Clearcut in 1997 in the sale Swamp Edge Aspen Blocks (#53-012-96), bought by AJD. Mostly a fully-stocked stand
	Black Spruce	1	Sapling/Pole	3			ite Ash	Medium	Variable	Sapling	except for the northeast area which had the aspen removed by beavers
	Red Maple	5	Sapling	3		Bals	sam Fir	Trace	Variable	Sapling	years ago and has filled in somewhat with spruce and fir. Trace of white
	White Ash	1 1 0		3		Тар	g Alder	Trace	Variable	Tall Shrub	spruce (sap/pole), red oak (pole/log), and paper birch (sap/pole) in the overstory. Some of the cherry is decent quality and has reached the
	Black Ash	2	Sapling	3		Black	k Cherry	Medium	Variable	Tall Shrub	canopy, although the majority appears to be only "shrub" quality.
	Ironwood	2	Sapling	3		Bla	ck Ash	Medium	Variable	Sapling	
	Balsam Fir	2	Sapling	3		Red	I Maple	Low	Variable	Sapling	
	Black Cherry	3	Sapling	3		Ironwood		Low	Variable	Sapling	
1	Quaking Aspen	74	Sapling/Pole	4	27						1
	Bigtooth Aspen	5	Pole/Sapling	5							
15	3105 - Mixed Up	land Herba	aceous	Nonsto	cked	1.1	ι	Inspecified			Gas well
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Brack	ken Fern	Low		Non-Wood	
						Blackborr		B.4 11		T-II OI	
						Diackbell	ry/Raspberry	Medium		Tall Shrub	
							Grasses	Full		Non-Wood	
46	6123 - Lo	owland Fir		Sapling	Well		Grasses		N/A		Small cedar clearcut from 1993 in the sale Black River East Cedar(#53-
-	6123 - Lo Canopy Species		Size Class	Sapling DBH		Mixed 2.0	Grasses	Full Immature	N/A Avg. Height		Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of
-						Mixed 2.0 Sub-Can	Grasses 31 opy Species	Full		Non-Wood	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac
-	Canopy Species	% Cover	Size Class	DBH		Mixed 2.0 Sub-Can Willo	Grasses 31	Full Immature Density	Avg. Height	Non-Wood	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber
-	Canopy Species Balsam Poplar	<b>% Cover</b> 2	Size Class Pole/Sapling	<b>DBH</b>		Mixed 2.0 Sub-Can Willd Tag	Grasses 31 opy Species ow spp.	Full Immature Density Trace	Avg. Height >20 feet	Non-Wood Size Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this
	Canopy Species Balsam Poplar Tamarack	% Cover           2           6	Size Class Pole/Sapling Pole/Sap/Log	<b>DBH</b> 5 6		Mixed 2.0 Sub-Can Willd Tag	Grasses 31 opy Species ow spp. g Alder	Full Immature Density Trace High	Avg. Height >20 feet >20 feet	Non-Wood Size Tall Shrub Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber
	Canopy Species Balsam Poplar Tamarack Black Spruce	% Cover           2           6           15	Size Class Pole/Sapling Pole/Sap/Log Pole/Sapling	<b>DBH</b> 5 6 5		Mixed 2.0 Sub-Can Willd Tag	Grasses 31 opy Species ow spp. g Alder	Full Immature Density Trace High	Avg. Height >20 feet >20 feet	Non-Wood Size Tall Shrub Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold
	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar	Cover           2           6           15           2	Size Class Pole/Sapling Pole/Sapling Pole/Log	DBH           5           6           5           8		Mixed 2.0 Sub-Can Willd Tag	Grasses 31 opy Species ow spp. g Alder	Full Immature Density Trace High	Avg. Height >20 feet >20 feet	Non-Wood Size Tall Shrub Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold
	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch	% Cover           2           6           15           2           6           6           6           6           6           6           6           6           6           6           6           6           6           6           6	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole	DBH           5           6           5           8           5	Age	Mixed 2.0 Sub-Can Willd Tag	Grasses 31 opy Species ow spp. g Alder	Full Immature Density Trace High	Avg. Height >20 feet >20 feet	Non-Wood Size Tall Shrub Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive.
Nor 47	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed	% Cover           2           6           15           2           68	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole	DBH       5       6       5       8       5       4	Age 31 er Well	Mixed 2.0 Sub-Can Willd Tag Bals	Grasses 31 opy Species ow spp. g Alder sam Fir	Full Full Density Trace High High	Avg. Height >20 feet >20 feet Variable	Non-Wood Size Tall Shrub Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive.
Nor <b>17</b>	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed	% Cover           2           6           15           2           68	Size Class Pole/Sapling Pole/Sapling Pole/Log Pole/Sapling Sapling/Pole	DBH           5           6           5           8           5           4	Age 31 er Well	Mixed 2.0 Sub-Can Willd Tag Bals 15.3 Sub-Can	Grasses 31 opy Species ow spp. g Alder sam Fir 39	Full Full Density Trace High High	Avg. Height >20 feet >20 feet Variable	Non-Wood Size Tall Shrub Tall Shrub Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive.
Nor 17	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species	% Cover           2           6           15           2           7           68           Upland Fo           % Cover	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole rest Po Size Class	DBH           5           6           5           8           5           4           oletimbe           DBH	Age 31 er Well	Mixed 2.0 Sub-Can Willo Tag Bals 15.3 Sub-Can Black	Grasses 31 opy Species ow spp. g Alder sam Fir 39 opy Species	Full Im ature Density Trace High High High 111-140 Density	Avg. Height >20 feet >20 feet Variable N/A Avg. Height	Non-Wood Size Tall Shrub Tall Shrub Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing
Nor 17	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species Black Spruce	% Cover           2           6           15           2           68           Upland Fo           % Cover           8	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole rest Po Size Class Pole/Sap/Log	DBH           5           6           5           8           5           4	Age 31 er Well	Mixed 2.0 Sub-Can Willd Tag Bals 15.3 Sub-Can Black White	Grasses 31 opy Species ow spp. g Alder sam Fir 39 opy Species & Spruce	Full  Full Full Full  Full  Full  Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Fu	Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable	Non-Wood Size Tall Shrub Sapling Size Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing water in places. Trace of white pine (pole/log), red maple (residual log
Nor 17	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species Black Spruce Balsam Poplar	% Cover           2           6           15           2           68           Upland Fo           % Cover           8           3	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole rest Pole Size Class Pole/Sap/Log Pole	DBH           5           6           5           8           5           4	Age 31 er Well	Mixed 2.0 Sub-Can Wilk Tag Bals 15.3 Sub-Can Black White Black	Grasses 31 opy Species ow spp. g Alder sam Fir 39 opy Species c Spruce	Full  Full Full Full  Full  Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Ful	Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable Variable	Non-Wood Size Tall Shrub Sapling Sapling Sapling Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing water in places. Trace of white pine (pole/log), red maple (residual log trees), paper birch (pole/sap), and red oak (log/xlog) in the canopy.
Nor 17	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species Black Spruce Balsam Poplar Tamarack	% Cover           2           6           15           2           68           Upland For           % Cover           8           3           2	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole sapling/Pole Size Class Pole/Sap/Log Pole/Log	DBH           5           6           5           8           5           4           bletimbe           DBH           6           7           8	Age 31 er Well	Mixed 2.0 Sub-Can Wilk Tag Bak 15.3 Sub-Can Black White Black Black	Grasses 31 opy Species ow spp. 3 Alder sam Fir 39 opy Species c Spruce s Spruce c Cherry	Full  Full Full Full  Full  Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Ful	Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable Variable Variable	Non-Wood Size Tall Shrub Tall Shrub Sapling Size Sapling Sapling Tall Shrub	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing water in places. Trace of white pine (pole/log), red maple (residual log trees), paper birch (pole/sap), and red oak (log/xlog) in the canopy. Average ba/acre from 14 plots = 119 square feet. Very high deer use in the stand, there are game trails everywhere. Barren understory in many
Nor 17	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species Black Spruce Balsam Poplar Tamarack Balsam Fir	Cover           2           6           15           2           7           68           Upland For           8           3           2           35	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Size Class Pole/Sap/Log Pole/Log Pole/Sapling	DBH           5           6           5           8           5           4           obletimber           DBH           6           7           8           6           7           8           6	Age 31 er Well	Mixed 2.0 Sub-Can Wilk Tag Bak 15.3 Sub-Can Black White Black Black	Grasses 31 opy Species ow spp. 3 Alder sam Fir 39 opy Species 4 Spruce 5 Spruce 5 Spruce 6 Cherry 5 Sam Fir	Full  Full Full Full  Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full	Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable Variable Variable Variable	Non-Wood Size Tall Shrub Tall Shrub Sapling Sapling Sapling Tall Shrub Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing water in places. Trace of white pine (pole/log), red maple (residual log trees), paper birch (pole/sap), and red oak (log/xlog) in the canopy. Average ba/acre from 14 plots = 119 square feet. Very high deer use in the stand, there are game trails everywhere. Barren understory in many places, with some areas only having moss at the ground level. Potential
Nor 47	Canopy Species Balsam Poplar Tamarack Black Spruce thern White Cedar Paper Birch Balsam Fir 4319 - Mixed Canopy Species Black Spruce Balsam Poplar Tamarack Balsam Fir Red Maple	% Cover           2           6           15           2           68           Upland Fo           % Cover           8           3           2           35           2	Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole rest Pole Size Class Pole/Sap/Log Pole/Log Pole/Log Pole/Sapling Pole	DBH           5           6           5           8           5           4           oletimbe           0           0           7           8           6           7           8           6           7           8           6           7	Age 31 er Well	Mixed 2.0 Sub-Can Wilk Tag Bak 15.3 Sub-Can Black White Black Black	Grasses 31 opy Species ow spp. 3 Alder sam Fir 39 opy Species 4 Spruce 5 Spruce 5 Spruce 6 Cherry 5 Sam Fir	Full  Full Full Full  Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full Full	Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable Variable Variable Variable	Non-Wood Size Tall Shrub Tall Shrub Sapling Sapling Sapling Tall Shrub Sapling	Small cedar clearcut from 1993 in the sale Black River East Cedar(#53- 004-93-01), cut by James Burkhart of Onaway. Other than a handful of seedlings, no cedar regeneration observed. Regeneration has come bac well to fir and spruce, although there are some scattered areas of lower stocking with a heavy component of alder. Close to being a poletimber stand. Average ba/acre from 5 plots = 70 square feet. Many areas of this stand are very wet with future operability in question due to the lack cold winters we now receive. Aspen/fir stand that is mostly well-stocked except for a few small open areas scattered throughout the south half. Clearcut in 1985 by Gary Haskill (#53-024-84). Heavy conifer mix without much aspen along the south/southwest edge. Mostly an upland stand except for along the lowland edges and at the southeast end which is very wet with standing water in places. Trace of white pine (pole/log), red maple (residual log trees), paper birch (pole/sap), and red oak (log/xlog) in the canopy. Average ba/acre from 14 plots = 119 square feet. Very high deer use in the stand, there are game trails everywhere. Barren understory in many



Stand	Level 4 Cover Type		S	Size Density		Acres Stand Age BA Range Managed		Site	General Comments		
48	6130 - Fir, A	Aspen, Map	le Pole	etimber	r Medium	3.3	39	51-80	N/A		Variable stand that is about 60% lowland and 40% upland. Upland
Ca	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	ground is mostly along the northern stand edge and an east-west running ridgeline through the middle of the stand. The remainder of the stand is
Northe	ern White Cedar	2	Log/Pole	12		Та	ag Alder	High	10 - 20 feet	Tall Shrub	very wet, poorly-stocked, and has a large amount of alder. The upland
P	aper Birch	3	Pole	7		Ba	alsam Fir	Medium	Variable	Sapling	areas appear to have been cut at the same time as when stand 47 to the
BI	lack Cherry	4	Pole	6		Bla	ck Spruce	Trace	Variable	Sapling	south was clearcut. An old road runs south through the middle of the stand, which provided the access to stand 47. Trace of red oak
E	Balsam Fir	47	Pole/Sapling	6	39	Bla	ck Cherry	Low	Variable	Tall Shrub	poletimber on the north edge. Average ba/acre from 5 plots = 88 square
Bla	ack Spruce	1	Pole	6		Re	ed Maple	Trace	Variable	Sapling	feet. The upland areas are available for management in the future,
Ba	lsam Poplar	2	Pole	6					1		[⊥] although acreage is very small.
٦	Tamarack	1	Pole	5							
Qua	aking Aspen	35	Pole/Sapling	7	39						
F	Red Maple	5	Pole	6							

4199 - Other Mixe	d Upland D	eciduous	Poletimbe	er Poor	r 2.3	37	1-50	N/A	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size
Ironwood	24	Pole/Saplin	ig 5		Suga	ar Maple	Low	Variable	Sapling
Sugar Maple	16	Pole/Saplin	ig 5		Stripe	ed Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole/Log	8		Iro	nwood	Medium	Variable	Sapling
Black Cherry	1	Pole	7		В	eech	Low	5 - 10 feet	Sapling
Beech	2	Pole/Saplin	ig 5		Blac	k Cherry	Trace	Variable	Tall Shrub
Red Oak	47	Pole/Log	8	37					
	Canopy Species Ironwood Sugar Maple Bigtooth Aspen Black Cherry Beech	Canopy Species% CoverIronwood24Sugar Maple16Bigtooth Aspen10Black Cherry1Beech2	Ironwood24Pole/SaplinSugar Maple16Pole/SaplinBigtooth Aspen10Pole/LogBlack Cherry1PoleBeech2Pole/Saplin	Canopy Species% CoverSize ClassDBHIronwood24Pole/Sapling5Sugar Maple16Pole/Sapling5Bigtooth Aspen10Pole/Log8Black Cherry1Pole7Beech2Pole/Sapling5	Canopy Species% CoverSize ClassDBHAgeIronwood24Pole/Sapling5Sugar Maple16Pole/Sapling5Bigtooth Aspen10Pole/Log8Black Cherry1Pole7Beech2Pole/Sapling5	Canopy Species% CoverSize ClassDBHAgeSub-CarIronwood24Pole/Sapling5SugaSugar Maple16Pole/Sapling5StripeBigtooth Aspen10Pole/Log8IroBlack Cherry1Pole7BBeech2Pole/Sapling5Black	Canopy Species% CoverSize ClassDBHAgeSub-Canopy SpeciesIronwood24Pole/Sapling5Sugar MapleSugar Maple16Pole/Sapling5Striped MapleBigtooth Aspen10Pole/Log8IronwoodBlack Cherry1Pole7BeechBeech2Pole/Sapling5Black Cherry	Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityIronwood24Pole/Sapling5Sugar MapleLowSugar Maple16Pole/Sapling5Striped MapleLowBigtooth Aspen10Pole/Log8IronwoodMediumBlack Cherry1Pole7BeechLowBeech2Pole/Sapling5Black CherryTrace	Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightIronwood24Pole/Sapling5Sugar MapleLowVariableSugar Maple16Pole/Sapling5Striped MapleLow10 - 20 feetBigtooth Aspen10Pole/Log8IronwoodMediumVariableBlack Cherry1Pole7BeechLow5 - 10 feetBeech2Pole/Sapling5Black CherryTraceVariable

Scattered clumps of timber mixed in with non-forested areas. Clearcut at the same time as the adjacent aspen stand to the west but did not successfully regenerate due to browse. There are a couple of nice clumps of red oak, mainly in the middle of the stand. The browse pressure is still high, as evidenced on smaller saplings that have been held back by browse, specifically ironwood at the west end of the stand. Two log-size residual sugar maple are present in the stand.

50	3105 - Mixed Upland Herbaceous	Nonstocked	2.5 Un:	specified	No		There was apparently an old well site that
			Sub-Canopy Species	Density	Avg. Height	Size	plugged in 1985. The north end of the stan sand.
			Balsam Fir	Trace	5 - 10 feet	Sapling	
			Mixed Grasses	High	Unspecified	Non-Wood	
			Spotted Knapweed	High	Unspecified	Non-Wood	
			Cladonia (Reindeer moss)	Medium	Unspecified	Non-Wood	
			Paper Birch	Trace	>20 feet	Log	-
			Black Cherry	Trace	Variable	Tall Shrub	
			Bracken Fern	Medium	Unspecified	Non-Wood	
			Balsam Poplar	Trace	5 - 10 feet	Sapling	-
			Red Maple	Trace	>20 feet	Log	-
			Quaking Aspen	Trace	>20 feet	Log	-
			White Pine	Trace	10 - 20 feet	Sapling	
			Quaking Aspen	Trace	>20 feet	Sapling	

at was a dry hole and was and has a large area of exposed



Stand	Level 4 Cover Type			Size Density		Acres Stand Age	Managed	Site	Year of Entry: 2026 General Comments					
51	6120 - Lo	6120 - Lowland Cedar			er Well	115.3 117	111-140	N/A		Moderate to low quality cedar stand with areas where the cedar is in				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	decline, although there are a few areas of better quality in the south half Spruce and tamarack are mixed in throughout the north half. Did not visi				
	Paper Birch	3	Pole	8		Balsam Fir	Medium	Variable	Tall Shrub	the middle of the stand but from imagery this area looks very wet and				
	Balsam Fir	9	Pole	7		Tag Alder	High	10 - 20 feet	Tall Shrub	more poorly-stocked than the remainder of the stand. There are a few				
White Spruce		1	Log/Pole	12		Paper Birch	Trace	>20 feet	Sapling	small upland inclusions, mostly along the edges, but for the most part				
	Black Spruce	9	Pole/Log	9		Black Spruce	Trace	Variable	Sapling	this is a very wet stand. Trace of white pine (log/xlog), quaking aspen (log), and balsam poplar (log) in the overstory. Average ba/acre from 10				
No	orthern White Cedar	68	Pole/Log	9	117		1			plots = 125 square feet.				
	Red Maple	1	Log/Pole	11										
	Tamarack	9	Log/Pole	12										
52	6233 - W	/et Meadow	,	Nonstocke		4.8	Unspecified	No		The old Johnsons Crossing RR grade borders this stand to the north. A				
					Γ	Sub-Canopy Specie	s Density	Avg. Height	Size	stream enters this stand in the middle and flows east/northeast, eventually crossing the grade. There are remnants of an old beaver lode				
						Willow spp.	Trace	5 - 10 feet	Tall Shrub	although there doesn't appear to be any active damming ongoing in this				
						Sedges	Full		Non-Wood	stand.				
						White Spruce	Trace	Variable	Sapling					
						Cattail spp.	Medium	Unspecified	Non-Wood					
						Balsam Fir	Trace	Variable	Sapling					
						Balsam Fir	Trace	>20 feet	Pole					
						Tag Alder	Trace	5 - 10 feet	Tall Shrub					
53	4319 - Mixeo	4319 - Mixed Upland Forest		Poletimber Well		2.1 74	81-110	N/A		Moderate quality, mixed species stand. Fir is more common in the nort				
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Specie	s Density	Avg. Height	Size	half of the stand, with a few dense clumps, but there has also been a lot that has blown over. Birch can also be found mostly in the north half. Th				
	Balsam Fir	46	Pole	7	74	Red Pine	Trace	10 - 20 feet	Sapling	south half is not as well-stocked and has some scattered semi-open				
	White Pine	1	Pole	6		Balsam Fir	Medium	>20 feet	Sapling	areas. Other species that were present in the canopy but rare include re				
	Red Oak	2	Log	13		White Pine	Trace	Variable	Sapling	pine, white spruce, and sugar maple. Average ba/acre from 5 plots = 96 square feet.				
	Red Maple	21	Pole/Log	8		Black Cherry	Trace	Variable	Tall Shrub	square reet.				
	Quaking Aspen	7	Pole	8						1				
	Bigtooth Aspen	6	Log	14										
	Paper Birch	17	Log/Pole	10										
54	6120 - Lo	wland Ceda	ır	Poletimb	er Well	3.5 128	171-200	N/A		Moderate to low quality cedar stand, with much of the cedar in decline				
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Cedar decline was noted during the last inventory cycle as well but there doesn't appear to be a lot of mortality so perhaps the cedar will continue				
	Tamarack	3	Pole/Log	9		Tag Alder	Medium	10 - 20 feet	Tall Shrub	to persist in this state for many more years. Stocking decreases as you				
	Paper Birch	2	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling	move north in the stand with a thick component of alder. Very wet stand				
				-						¹ with sphagnum hummocks. Average ba/acre from 3 plots = 173 square				

with sphagnum hummocks. Average ba/acre from 3 plots = 173 square feet.

Northern White Cedar

Balsam Fir White Pine

Red Maple

Black Spruce

65

10

2

6

12

Pole/Log

Pole

Log/XLog

Log/Pole

Pole/Log

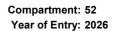
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6

16

11

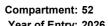
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Stand	Level 4 Cover Type	Size Density	Acres Stand Age B	A Range	Managed	Site	General Comments
55	6239 - Mixed Emergent Wetland	Nonstocked	2.7 Ui	nspecified	No		Standing dead cedar throughout. Two streams converge in this stand.
			Sub-Canopy Species	Density	Avg. Height	Size	
			Tag Alder	Low	10 - 20 feet	Tall Shrub	
		-	Balsam Fir	Low	Variable	Sapling	
			Sedges	Full	Unspecified	Non-Wood	
		-	Black Spruce	Trace	Variable	Sapling	
			Northern White Cedar	Trace	>20 feet	Pole	
56	3105 - Mixed Upland Herbaceous	Nonstocked	1.2 Ui	nspecified			Gas well
			Sub-Canopy Species	Density	Avg. Height	Size	
		-	Spotted Knapweed	Medium		Non-Wood	
		-	Mixed Grasses	Full		Non-Wood	
			Blackberry/Raspberry	Low		Tall Shrub	
57	6229 - Mixed lowland shrub	Nonstocked	14.4 Ui	nspecified	No		The Black River, just a small stream at this point, flows through the stand. The northwest part of the stand is forested with a mix of mature
			Sub-Canopy Species	Density	Avg. Height	Size	cedar and younger spruce and fir, this area could likely be split out as its
			Tag Alder	High	10 - 20 feet	Tall Shrub	own stand next entry. The remainder of the stand has a thick component
			Northern White Cedar	Low	>20 feet	Pole	of alder with scattered lowland conifers of various sizes. Only looked at
		-	Tamarack	Trace	Variable	Sapling	this stand from along the north edge, using imagery to infer the rest.
		-	Black Spruce	Trace	>20 feet	Pole	
			Black Spruce	Trace	Variable	Sapling	
			White Pine	Trace	>20 feet	Pole	
			Balsam Fir	Low	Variable	Sapling	
			Balsam Fir	Low	>20 feet	Pole	
			White Pine	Trace	Variable	Sapling	
			Tamarack	Trace	>20 feet	Pole	
58	4130 - Aspen	Sapling Well	7.5 27 li	mmature	N/A		Aspen stand that was clearcut in 1997 in the sale Swamp Edge Aspen
							Blocks (#53-012-96-01) bought by AJD. Mostly upland although the

58	4130 -	- Aspen		Sapling	l Well	7.5	27	Immature	N/A	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Speci	es Density	Avg. Height	Size
	Red Oak	2	Pole/Sap/Log	j 5		Wh	ite Ash	High	Variable	Sapling
	Quaking Aspen	71	Sapling/Pole	4	27	Red	d Maple	Medium	Variable	Sapling
	Paper Birch	1	Sapling/Pole	4		Iro	nwood	Trace	Variable	Sapling
	Balsam Fir	4	Pole/Sapling	5		E	Beech	Trace	Variable	Sapling
	Black Cherry	3	Sapling/Pole	4		Bal	sam Fir	Low	Variable	Sapling
	Bigtooth Aspen	8	Pole/Sapling	5		Blac	k Cherry	Medium	Variable	Tall Shruk
	White Ash	2	Sapling	3		Та	g Alder	Trace	5 - 10 feet	Tall Shrul
	Red Maple	9	Sapling/Pole	4		Bla	ick Ash	Low	Variable	Sapling

Aspen stand that was clearcut in 1997 in the sale Swamp Edge Aspen Blocks (#53-012-96-01) bought by AJD. Mostly upland although the ground does transition to lowland as you get closer to the northern edge. There are a few places along the northern edge where beavers removed most of the aspen years ago. Both black and white ash are present in the stand, although white ash is more prevalent. The bigtooth aspen component is mostly in the portion of the stand south of the road. A handful of large diameter oak were left as residual along the road and there is also some younger oak ingrowth.



		<b>-</b>		0' D-		•				0:4-	Year of Entry: 2026
tand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
59	4199 - Other Mixe	d Upland D	Deciduous S	Sawtimb	er Well	75.9	101	81-110	N/A		High quality red oak/mixed hardwood stand. Thinned in 2009 in the sale Oak Hills Revisited (#53-009-01-01.) Numerous areas in the stand were
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	excluded from the harvest because of steep slopes. Average ba/acre
	Red Oak	49	Log/XLog/Pole	e 15	101	I	Beech	Low	Variable	Sapling	from 17 plots = 95 square feet. This stand may potentially be ready for
	Bigtooth Aspen	2	Log	14		Irc	onwood	Medium	Variable	Sapling	another thinning next entry. A small stick nest was found in the southwe
	Red Maple	17	Log/Pole	10		Sug	ar Maple	Low	>20 feet	Sapling	corner of the stand.
	Beech	2	Log/Pole	11		Strip	ed Maple	Medium	Variable	Sapling	There is a 2-3 acre area at the northeast corner adjacent to the gas we
	Basswood	7	Log/Pole	12							(stand #63) that has two-aged structure (older oak with younger
	Sugar Maple	21	Pole/Log	8	101						maple/oak underneath) that was also excluded from the harvest. This area could potentially be its own stand next entry if desired.
	Paper Birch	2	Pole/Log	9							area could potentially be its own stand next entry if desired.
60	3105 - Mixed U	pland Herb	aceous	Nonsto	ocked	1.3	U	nspecified			Active gas well
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Brad	ken Fern	Low	Unspecified	Non-Wood	t.
						Spotte	d Knapweed	High	Unspecified	Non-Wood	ł,
						Mixe	d Grasses	Full	Unspecified	Non-Wood	ł
61	4319 - Mixed Canopy Species		orest F	oletimb	er Well	12.6	39 nopy Species	81-110	N/A Avg. Height	Size	Mixed species stand of varying quality and stocking. Clearcut in 1985 t $_{\rm T}$ Gary Haskill. East of the well pad is all upland ground with rolling terrai
	White Pine	% Cover			Age		Imn Olive	Density			This part of the stand has scattered areas of poor stocking with a patch
		-	Pole/Log	9				Low	Variable	Tall Shrub	aspen component, a few clones look good but others are small diamet and appear unhealthy, with some mortality noticed. The fir in this part of
	White Spruce	2	Pole	6			k Spruce	Trace	Variable	Sapling	the stand also appears unhealthy and has been impacted by spruce
	Tamarack Red Oak	2		18			ck Cherry Isam Fir	Low Medium	Variable Variable	Tall Shrub	budwonni (looks like older danlage as no current mortality is present?)
	Red Maple	4	XLog/Log Pole	6		Da	ISam Fil	wealum	Vallable	Sapling	The part of the stand west and south of the well pad transitions to wett ground and these areas are generally fully-stocked, with less aspen an
	Quaking Aspen	30	Pole/Sapling	-	39						more conifers. Average ba/acre from 11 plots = 95 square feet. Autum
	Bigtooth Aspen	7	Pole/Sapiling Pole/Sap/Log		39						olive is present in the northeast part of the stand. Very heave deer use
	Black Spruce	5	Pole/Sap/Log Pole/Log	8							throughout the entire stand as there are numerous game trails and an obvious browse line on the fir in the east half. This stand will likely be
	Balsam Fir	35	Pole/Log Pole/Sapling	-	39						ready for a treatment next entry and management should strive for a
	Red Pine	6		10	33						mixed conifer objective as aspen appears to do very poorly on this site
	Red Pille	0	Log/Pole	10							
62	6139 - Mixed			Sapling		6.1	44	81-110	N/A		A lot of old cedar blowdown in this stand makes it difficult to navigate through. No evidence of a past harvest in the stand. Cedar seedlings a
	Canopy Species		Size Class		I Age		nopy Species	Density	Avg. Height	Size	present in a few areas but are severely browsed. Nice representation of
	Paper Birch	35	Sapling/Pole				Isam Fir	Medium	Variable	Sapling	paper birch. Did not visit in 2024 inventory, used old data but bumped
	Balsam Poplar	5	Pole/Sapling	5		Та	ag Alder	Medium	10 - 20 feet	Tall Shrub	the diameters an inch. Multiple streams in surrounding stands effective cut this stand off from any potential management in the future, althoug
	Balsam Fir	45	Sapling/Pole	4	44						the ground is likely too wet anyways.
	Black Spruce	6	Sapling/Pole	4							5 · · · · · · · · · · · · · · · · · · ·
	Willow spp.	2	Sapling	4							

7

10

Log/Pole

Northern White Cedar



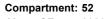
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tand	Level 4 C	over Type	e Si	ze Dens	ity	Acres Stand Age BA	A Range	Managed S	Site	General Comments
63	3105 - Mixed U	pland Hert	baceous N	lonstock	ed	1.4 Ur	specified			Gas well.
						Sub-Canopy Species	Density	Avg. Height	Size	
						Spotted Knapweed	High		Non-Wood	
						Mixed Grasses	Full		Non-Wood	
64	6239 - Mixed E	Emergent V	Vetland N	lonstock	ed	4.0 Ur	specified	No		Standing dead cedar throughout with the exception of the northeast and southwest corners which have clumps of live cedar and mixed conifers.
						Sub-Canopy Species	Density	Avg. Height	Size	appears this stand was formerly flooded but has since started to slowly f
						Northern White Cedar	Trace	>20 feet	Pole	back in with regeneration. Next entry this may be a forested stand, eithe
						Willow spp.	Trace	Variable	Tall Shrub	a Q1 or Q4, if water levels continue to stay low. The Black River, just a
						Tag Alder	Medium	Variable	Tall Shrub	small stream at this point, flows through the middle of the stand. Heavy sedge component. Cattails are mostly in the middle of the stand.
						Black Spruce	Trace	Variable	Sapling	
						Sedges	Full	Unspecified	Non-Wood	
						Tamarack	Low	Variable	Sapling	
						Balsam Fir	Trace	>20 feet	Pole	
						Balsam Fir	Low	Variable	Sapling	
						White Spruce	Trace	Variable	Sapling	
						White Spruce Cattail spp.	Trace Medium	Variable Unspecified	Sapling Non-Wood	
						•				
65		-owland Fin		timber M		Cattail spp. Paper Birch 1.5 62	Medium Trace 81-110	Unspecified Variable N/A	Non-Wood Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than
Ca	anopy Species	% Cove	r Size Class	DBH A		Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species	Medium Trace 81-110 Density	Unspecified Variable N/A Avg. Height	Non-Wood Sapling Size	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a
Ca Northe	anopy Species ern White Cedar	<b>% Cove</b> 18	r Size Class Log/Pole	<b>DBH A</b>		Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir	Medium Trace 81-110 Density Medium	Unspecified Variable N/A Avg. Height Variable	Non-Wood Sapling Size Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems
Ca Northe Qu	anopy Species ern White Cedar Jaking Aspen	% Cove 18 8	r Size Class Log/Pole Pole	<b>DBH A</b> 11 8	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder	Medium Trace 81-110 Density Medium Low	Unspecified Variable N/A Avg. Height Variable Variable	Non-Wood Sapling Size Sapling Tall Shrub	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from
Ca Northe Qu	anopy Species ern White Cedar Jaking Aspen Balsam Fir	% Cove           18           8           59	r Size Class Log/Pole Pole Pole/Sapling	DBH     A       11     8       7     6		Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple	Medium Trace 81-110 Density Medium Low Trace	Unspecified Variable N/A Avg. Height Variable Variable 10 - 20 feet	Non-Wood Sapling Size Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems
Ca Northe Qu E	anopy Species ern White Cedar uaking Aspen Balsam Fir Paper Birch	% Cove           18           8           59           5	<ul> <li>Size Class</li> <li>Log/Pole</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Log</li> </ul>	DBH A           11           8           7           9	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce	Medium Trace 81-110 Density Medium Low	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable	Non-Wood Sapling Size Sapling Tall Shrub Sapling Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu E	anopy Species ern White Cedar Jaking Aspen Balsam Fir	% Cove           18           8           59           5           5           5	r Size Class Log/Pole Pole Pole/Sapling	DBH         A           11            8            7            9	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple	Medium Trace 81-110 Density Medium Low Trace	Unspecified Variable N/A Avg. Height Variable Variable 10 - 20 feet	Non-Wood Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu E F	anopy Species ern White Cedar uaking Aspen Balsam Fir Paper Birch	% Cove           18           8           59           5	<ul> <li>Size Class</li> <li>Log/Pole</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Log</li> </ul>	DBH A           11           8           7           9	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce	Medium Trace 81-110 Density Medium Low Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable	Non-Wood Sapling Size Sapling Tall Shrub Sapling Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu E F	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple	% Cove           18           8           59           5           5           5	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole	DBH         A           11            8            7            9	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry	Medium Trace 81-110 Density Medium Low Trace Trace	Unspecified Variable N/A Avg. Height Variable Variable 10 - 20 feet Variable Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu E F	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple	% Cove           18           8           59           5           5           5	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole	DBH         A           11            8            7            9	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry White Ash	Medium Trace 81-110 Density Medium Low Trace Trace Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable Variable Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu F F Bl	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple Iack Spruce 4130	% Cove           18           8           59           5           5           5	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole Pole/Sapling	DBH         A           11         8           7         0           9         7           5         5	ge	Cattail spp.       Paper Birch       1.5       62       Sub-Canopy Species       Balsam Fir       Tag Alder       Striped Maple       Black Spruce       Black Cherry       White Ash       Autumn Olive       White Spruce       22.5     8	Medium Trace 81-110 Density Medium Low Trace Trace Trace Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable Variable S - 10 feet	Non-Wood Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub Sapling Tall Shrub	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders Stand harvested in December of 2016 in the sale Outhouse Aspen, #53-
Ca Northe Qu F F Bl	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple Iack Spruce	% Cove           18           8           59           5           5           - S	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole Pole/Sapling	DBH     A       11     -       8     -       7     -       9     -       7     -       5     -	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry White Ash Autumn Olive White Spruce	Medium Trace Density Medium Low Trace Trace Trace Trace Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable Variable 5 - 10 feet Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub Sapling Tall Shrub	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders
Ca Northe Qu F F Bl Bl	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple Iack Spruce 4130	% Cove           18           8           59           5           5           - S	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole Pole/Sapling	DBH         A           11            8            7            7            5            capling W            DBH         A	ge	Cattail spp.       Paper Birch       1.5       62       Sub-Canopy Species       Balsam Fir       Tag Alder       Striped Maple       Black Spruce       Black Cherry       White Ash       Autumn Olive       White Spruce       22.5     8	Medium Trace <b>Density</b> Medium Low Trace Trace Trace Trace Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable Variable 5 - 10 feet Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders Stand harvested in December of 2016 in the sale Outhouse Aspen, #53- 008-16-01. Whole-tree, flail harvest done by Tulgestka. No issues within the sale during the harvest. Main skids trails were heavily compacted an some still have little regen at this point. The remainder of the stand has
Ca Northe Qu E F F B B B B B Ca Ca Qu	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple Iack Spruce 4130 anopy Species	<ul> <li>℅ Cove</li> <li>18</li> <li>8</li> <li>59</li> <li>5</li> <li>5</li> <li>5</li> </ul> - Aspen % Cove	r Size Class Log/Pole Pole/Sapling Pole/Log Pole Pole/Sapling Str Size Class	DBH         A           11            8            7            7            5            capling W            DBH         A	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry White Ash Autumn Olive White Spruce 22.5 8 Ir Sub-Canopy Species	Medium Trace Pensity Medium Low Trace Trace Trace Trace Trace Trace Drace	Unspecified Variable N/A Avg. Height Variable Variable Variable Variable Variable 5 - 10 feet Variable N/A Avg. Height	Non-Wood Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders Stand harvested in December of 2016 in the sale Outhouse Aspen, #53 008-16-01. Whole-tree, flail harvest done by Tulgestka. No issues within the sale during the harvest. Main skids trails were heavily compacted ar some still have little regen at this point. The remainder of the stand has regenerated very well to aspen. Some browse impacts on the
Ca Northe Qu E F F B B B B B B B B Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple lack Spruce 4130 anopy Species Jaking Aspen	<ul> <li>℅ Cove</li> <li>18</li> <li>8</li> <li>59</li> <li>5</li> <li>5</li> <li>5</li> </ul> - Aspen % Cove 60	r Size Class Log/Pole Pole/Sapling Pole/Log Pole Pole/Sapling Sapling	DBH         A           11         8           7         9           7         5           Gapling W         BBH           DBH         A           1         1	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry White Ash Autumn Olive White Spruce 22.5 8 Ir Sub-Canopy Species Serviceberry (Juneberry)	Medium Trace Trace Density Medium Low Trace Trace Trace Trace Trace Trace Trace Trace	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable 5 - 10 feet Variable S - 10 feet Variable N/A Avg. Height Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders Stand harvested in December of 2016 in the sale Outhouse Aspen, #53 008-16-01. Whole-tree, flail harvest done by Tulgestka. No issues withir the sale during the harvest. Main skids trails were heavily compacted ar some still have little regen at this point. The remainder of the stand has regenerated very well to aspen. Some browse impacts on the /south/southwest edge of the stand. Red oak of various sizes were left a
Ca Northe Qu E F F B B B B S 6 Ca Qu E	anopy Species ern White Cedar Jaking Aspen Balsam Fir Paper Birch Red Maple lack Spruce 4130 anopy Species Jaking Aspen Balsam Fir	<ul> <li>℅ Cove</li> <li>18</li> <li>8</li> <li>59</li> <li>5</li> <li>5</li> <li>5</li> </ul> - Aspen % Cove 60 1	r Size Class Log/Pole Pole Pole/Sapling Pole/Log Pole Pole/Sapling Sapling Sapling	DBH         A           11         8           7         0           9         7           5         0	ge	Cattail spp. Paper Birch 1.5 62 Sub-Canopy Species Balsam Fir Tag Alder Striped Maple Black Spruce Black Cherry White Ash Autumn Olive White Spruce 22.5 8 Ir Sub-Canopy Species Serviceberry (Juneberry) Black Cherry	Medium Trace <b>Density</b> Medium Low Trace Trace Trace Trace Trace Trace Trace <b>Density</b> <b>Density</b> Trace Low	Unspecified Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable Variable 5 - 10 feet Variable N/A Avg. Height Variable	Non-Wood Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling	Small acreage stand of primarily fir. Most trees in this stand, other than the cedar, are younger than the surrounding lowland, although there isn' evidence of a previous harvest. It possibly originated following a blowdown event many years ago as there are a few larger aspen stems scattered throughout. Lowland but not overly wet. Average ba/acre from plots = 103 square feet. A stream borders Stand harvested in December of 2016 in the sale Outhouse Aspen, #53 008-16-01. Whole-tree, flail harvest done by Tulgestka. No issues within the sale during the harvest. Main skids trails were heavily compacted an some still have little regen at this point. The remainder of the stand has



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Stand	Level 4 Co	over Type	Si	ize De	nsity	Acres Stand Age B	A Range	Managed S	Site	General Comments
67	3105 - Mixed Up	pland Herb	aceous N	Nonsto	cked	1.0 U	nspecified			Gas well
						Sub-Canopy Species	Density	Avg. Height	Size	
						Red Oak	Trace		Sapling	
						Blackberry/Raspberry	High		Tall Shrub	
						Red Oak	Trace		Seeding	
						Spotted Knapweed	Low		Non-Wood	
						Bracken Fern	Medium		Non-Wood	
						Mixed Grasses	High		Non-Wood	
68	6239 - Mixed E	mergent W	/etland N	Nonsta	cked	7.6 U	nspecified	No		The west half of this stand is currently under water due to an active
						Sub-Canopy Species	Density	Avg. Height	Size	beaver dam which has backed up the small stream which flows through the stand. The east half of the stand is a marsh dominated by sedges.
						Balsam Fir	Low	Variable	Sapling	
						Sedges	Full	Unspecified	Non-Wood	ł,
						Tag Alder	Low	10 - 20 feet	Tall Shrub	
						Tanadata	Low	Mandala I. I.	Conling	
						Tamarack		Variable	Sapling	
		iferous		letimb			1-50	Variable N/A	Sapiing	common species in the canopy but they are now all dead from EAB and
C	Coni Canopy Species	iferous % Cover	Size Class	DBH	er Poo <b>Age</b>	or 5.4 64 Sub-Canopy Species	1-50 Density	N/A Avg. Height	Size	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of
<b>C</b> North	Coni Canopy Species hern White Cedar	iferous           % Cover           3	Size Class	<b>DBH</b>		or 5.4 64 Sub-Canopy Species Red Maple	1-50 Density Low	N/A Avg. Height >20 feet	Size Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine	iferous       % Cover       3       5	Size Class Log/Pole Log/XLog/Pole	<b>DBH</b> 10 15		or 5.4 64 Sub-Canopy Species Red Maple White Ash	1-50 Density Low Low	N/A Avg. Height >20 feet Variable	Size Sapling Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of
North	Coni Canopy Species hern White Cedar White Pine Paper Birch	iferous % Cover 3 5 15	Size Class Log/Pole Log/XLog/Pole Pole/Log	<b>DBH</b> 10 15 8		or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash	1-50 Density Low Low	N/A Avg. Height >20 feet Variable Variable	Size Sapling Sapling Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen	iferous           % Cover           3           5           15           8	Size Class Log/Pole Log/XLog/Pole Pole/Log Log	<b>DBH</b> 10 15 8 13		or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder	1-50 Density Low Low Low High	N/A Avg. Height >20 feet Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir	iferous <b>Cover</b> 3 5 15 8 15	Size Class Log/Pole Log/XLog/Pole Pole/Log Log Pole	DBH 10 15 8 13 7		or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash	1-50 Density Low Low	N/A Avg. Height >20 feet Variable Variable	Size Sapling Sapling Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood	iferous	Size Class Log/Pole Log/XLog/Pole Pole/Log Log Pole Pole	DBH 10 15 8 13 7 9	Age	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder	1-50 Density Low Low Low High	N/A Avg. Height >20 feet Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir	iferous <b>Cover</b> 3 5 15 8 15	Size Class Log/Pole Log/XLog/Pole Pole/Log Log Pole	DBH 10 15 8 13 7		or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder	1-50 Density Low Low Low High	N/A Avg. Height >20 feet Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception o the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
<b>C</b> North	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood	iferous  Cover  3  5  15  8  15  15  38  15  38  38	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole	DBH 10 15 8 13 7 9	<b>Age</b> 64	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder	1-50 Density Low Low Low High	N/A Avg. Height >20 feet Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub	understory. Timber quality is poor for most species with the exception o the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
C North Q 70	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple	Kernel         Second state           3         5           15         8           15         1           38         38	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole	DBH 10 15 8 13 7 9 8 8 Sapling	<b>Age</b> 64	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir	1-50 Density Low Low Low High Low	N/A Avg. Height >20 feet Variable Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
C North Q 70	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla	Kernel         Second state           3         5           15         8           15         1           38         38	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole Pole/Log	DBH 10 15 8 13 7 9 8 8 Sapling	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42	I-50 Density Low Low Low High Low 81-110	N/A Avg. Height >20 feet Variable Variable Variable Variable	Size Sapling Sapling Sapling Tall Shrub Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
C North Q 70 C B	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species	iferous	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole Pole/Log S-Fir S Size Class	DBH 10 15 8 13 7 9 8 8 Sapling DBH	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species	I-50       Density       Low       Low       Low       Low       Low       Low       High       Low       81-110       Density	N/A Avg. Height >20 feet Variable Variable Variable Variable N/A Avg. Height	Size Sapling Sapling Sapling Tall Shrub Sapling	common species in the canopy but they are now all dead from EAB and most have fallen over. Thick sedge component in places of the understory. Timber quality is poor for most species with the exception of the white pine and black spruce. Average ba/acre from 4 plots = 45 square feet. Too wet for management.
C North Q 70 C B	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species Balsam Poplar	iferous           X         Cover           3         5           15         8           15         1           38         38           and Spruce         X           X         Cover           4         4	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole Pole/Log Size Class Pole/Sapling	DBH 10 15 8 13 7 9 8 8 Sapling DBH 5	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species Serviceberry (Juneberry)	I-50       Density       Low       Low       Low       Low       Low       Low       S1-110       Density       Trace	N/A Avg. Height >20 feet Variable Variable Variable Variable N/A Avg. Height >20 feet	Size Sapling Sapling Tall Shrub Sapling Size Tall Shrub	Cedar clearcut in 1982. No cedar grew back and no current evidence or any cedar regeneration. Dense balsam fir in many areas. A few XL-size white pine at the south end. The two "fingers" of the stand tend to have ba/acre from 7 plots = 84 square feet. A wet stand that should not be harvested again in the future unless done using hand-felling labor and r
C North Q 70 C B E	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species Balsam Poplar White Pine	iferous           X         Cover           3         5           15         8           15         1           38         3           and Spruce         X           K         Cover           4         3	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole/Log Pole/Log Pole/Sapling Pole/Log/XLog	DBH 10 15 8 13 7 9 8 Sapling DBH 5 8	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species Serviceberry (Juneberry) Balsam Fir	I-50       Density       Low       Low       Low       High       Low       81-110       Density       Trace       High	N/A Avg. Height >20 feet Variable Variable Variable N/A Avg. Height >20 feet Variable	Size Sapling Sapling Tall Shrut Sapling Size Tall Shrut Sapling	Cedar clearcut in 1982. No cedar grew back and no current evidence o any cedar regeneration. Dense balsam fir in many areas. A few XL-size white pine at the south end. The two "fingers" of the stand tend to have more deciduous species mixed in. Trace of white ash (pole/sap). Avera ba/acre from 7 plots = 84 square feet. A wet stand that should not be baryced area in the future union bear defined for the stand tend to be any cedar form 7 plots = 84 square feet. A wet stand that should not be baryced area in the future union bear defined for the stand tend to baryce any cedar form 7 plots = 84 square feet. A wet stand that should not be
C North Q 70 C B E Q	Coni Canopy Species hern White Cedar White Pine Paper Birch Duaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species Balsam Poplar White Pine Black Spruce	iferous	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole/Log Size Class Pole/Sapling Pole/Log/XLog Sapling/Pole	DBH 10 15 8 13 7 9 8 Sapling DBH 5 8 4	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species Serviceberry (Juneberry) Balsam Fir Tag Alder	L-50 Density Low Low High Low Low Low Bl-110 Bensity Trace High Medium	N/A Avg. Height >20 feet Variable Variable Variable Variable N/A Avg. Height >20 feet Variable Variable	Size Sapling Sapling Tall Shrub Sapling Size Tall Shrub Sapling Tall Shrub	Cedar clearcut in 1982. No cedar grew back and no current evidence o any cedar regeneration. Dense balsam fir in many areas. A few XL-size white pine at the south end. The two "fingers" of the stand tend to have more deciduous species mixed in. Trace of white ash (pole/sap). Avera ba/acre from 7 plots = 84 square feet. A wet stand that should not be harvested again in the future unless done using hand-felling labor and
C North Q 70 C B E Q	Coni Canopy Species hern White Cedar White Pine Paper Birch Quaking Aspen Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species Balsam Poplar White Pine Black Spruce Quaking Aspen	iferous	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole Pole/Log Size Class Pole/Sapling Pole/Log/XLog Sapling/Pole Pole/Sapling	DBH 10 15 8 13 7 9 8 8 Sapling DBH 5 8 4 6	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species Serviceberry (Juneberry) Balsam Fir Tag Alder	L-50 Density Low Low High Low Low Low Bl-110 Bensity Trace High Medium	N/A Avg. Height >20 feet Variable Variable Variable Variable N/A Avg. Height >20 feet Variable Variable	Size Sapling Sapling Tall Shrub Sapling Size Tall Shrub Sapling Tall Shrub	Cedar clearcut in 1982. No cedar grew back and no current evidence or any cedar regeneration. Dense balsam fir in many areas. A few XL-size white pine at the south end. The two "fingers" of the stand tend to have ba/acre from 7 plots = 84 square feet. A wet stand that should not be harvested again in the future unless done using hand-felling labor and r
C North Q 70 C B E Q	Coni Canopy Species hern White Cedar White Pine Paper Birch Balsam Fir Basswood Red Maple 6124 - Lowla Canopy Species Balsam Poplar White Pine Black Spruce Quaking Aspen Paper Birch	iferous	Size Class Log/Pole Log/XLog/Pole Pole/Log Pole Pole Pole Pole/Log Size Class Pole/Sapling Pole/Sapling Pole/Sapling	DBH 10 15 8 13 7 9 8 8 Sapling DBH 5 5 8 4 4 6 4	Age 64 Well	or 5.4 64 Sub-Canopy Species Red Maple White Ash Black Ash Tag Alder Balsam Fir 6.7 42 Sub-Canopy Species Serviceberry (Juneberry) Balsam Fir Tag Alder	L-50 Density Low Low High Low Low Low Bl-110 Bensity Trace High Medium	N/A Avg. Height >20 feet Variable Variable Variable Variable N/A Avg. Height >20 feet Variable Variable	Size Sapling Sapling Tall Shrub Sapling Size Tall Shrub Sapling Tall Shrub	Cedar clearcut in 1982. No cedar grew back and no current evidence o any cedar regeneration. Dense balsam fir in many areas. A few XL-size white pine at the south end. The two "fingers" of the stand tend to have more deciduous species mixed in. Trace of white ash (pole/sap). Avera ba/acre from 7 plots = 84 square feet. A wet stand that should not be harvested again in the future unless done using hand-felling labor and



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			-								Year of Entry: 2026
and	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age E	A Range	Managed	Site	General Comments
1	6112 - Lov	wland Aspe	en s	Sapling	Well	9.9	27	Immature	N/A		Lowland stand with a very good component of paper birch. Clearcut in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	1997 in the sale Johnson's Crossing Blocks (#53-015-96-01), cut by Ralph Walker. Some scattered areas that did not regenerate as well bu
	Balsam Fir	2	Sapling	3	-		ite Pine	Trace	Variable	Sapling	mostly it is a well-stocked stand. Both black and white ash are present
	Balsam Poplar	10	Sapling/Pole	3		Bla	ck Ash	Medium	5 - 10 feet	Sapling	the stand and there is heavy deer browse on the smaller seedlings and
(	Quaking Aspen	48	Sapling/Pole	3	27	Wille	ow spp.	Low	Variable	Tall Shrub	saplings. Very wet in most areas of the stand and there are some spot with low amounts of standing water and cattails. A patch of invasive
	White Ash	6	Sapling	3		Bals	sam Fir	Low	Variable	Sapling	phragmites is present in the middle part of the stand near the north ed
	Black Ash	3	Sapling	2		White	e Spruce	Trace	Variable	Sapling	roughly 50x50 feet in size.
	Paper Birch	30	Sapling	3		Wh	ite Ash	Medium	Variable	Sapling	
	Tamarack	1	Pole/Sapling	5		Black	k Spruce	Trace	Variable	Sapling	
					1	Tag	g Alder	Medium	Variable	Tall Shrub	
						Blac	k Cherry	Low	Variable	Tall Shrub	
						Nan	inyberry	Low	5 - 10 feet	Tall Shrub	
2	4123 -	Red Oak	Sa	awtimb	er Well	128.9	101	81-110	N/A		Large stand of oak and mixed hardwoods sitting on very hilly terrain.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	Generally high quality oak however there are some areas, particularly southern aspects and ridgetops, where the oak quality declines. Thinn
	Sugar Maple	20	Pole/Log	8			eech	Low	Variable	Sapling	in 2005 in the sale Oak Hills Again (#53-007-04-02) but many slopes
	Basswood	6	Log/Pole	12		Stripe	ed Maple	Medium	Variable	Sapling	were inoperable and excluded from the harvest. There are also some
	Red Maple	10	Log/Pole	10			ite Ash	Low	< 5 feet	Seeding	areas of marked trees remaining that were unable to be cut due to the
	Beech	4	Pole/Log	9		Iro	nwood	Maaliuma	Mandal La		slopes. During the previous inventory YOE, scattered pockets of oak
			I UIC/LOG	5		1101	nwood	Medium	Variable	Sapling	mortality were found throughout the stand. The forest health specialis
	Red Oak	60	0	-	101	-	ite Ash	Trace	5 - 10 feet	Sapling Sapling	made a site visit and determined that oak wilt was likely not the cause
	Red Oak		Log/Pole/XLog	-	101	Wh					made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the
3	Red Oak 6139 - Mixed	60	Log/Pole/XLog	14		Wh	ite Ash	Trace	5 - 10 feet	Sapling	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) be is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest.
-	6139 - Mixed	60 Lowland F	Log/Pole/XLog	14 Sapling	Well	Wh Suga 2.4	ite Ash ar Maple 42	81-110	5 - 10 feet < 5 feet N/A	Sapling Seeding	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) bi is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest.
-	6139 - Mixed Canopy Species	60 Lowland F % Cover	Log/Pole/XLog	14 Sapling DBH		Wh Suga 2.4 Sub-Can	ite Ash ar Maple 42 aopy Species	Trace Low 81-110 Density	5 - 10 feet < 5 feet N/A Avg. Height	Sapling Seeding Size	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense
	6139 - Mixed <b>Canopy Species</b> Tamarack	60 Lowland F % Cover 5	Torest Size Class Pole/Sapling	Sapling DBH	Well	Wh Suga 2.4 Sub-Can Black	ite Ash ar Maple 42 aopy Species < Spruce	Trace Low 81-110 Density Low	5 - 10 feet < 5 feet N/A Avg. Height Variable	Sapling Seeding Size Sapling	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand.
	6139 - Mixed <b>Canopy Species</b> Tamarack Balsam Poplar	60 Lowland F % Cover 5 2	Torest Size Class Pole/Sapling Sapling	Sapling DBH 5 3	Well	Wh Suga 2.4 Sub-Can Black Bals	42 42 42 42 42 42 42 42 42 42 43 44 42 44 44 44 44 44 44 44 44 44 44 44	Trace Low SI-110 ■ Low Low High	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable	Sapling Seeding Size Sapling Sapling	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed <b>Canopy Species</b> Tamarack Balsam Poplar Red Maple	60           Lowland F           % Cover           5           2           17	Corest Size Class Pole/Sapling Pole/Sapling Pole/Sapling	14           Sapling           DBH           5           3           5	Well	Wh Suga 2.4 Sub-Can Black Bals Tag	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Trace       Low       B1-110       Density       Low       High       Low	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed <b>Canopy Species</b> Tamarack Balsam Poplar Red Maple Paper Birch	60           Lowland F           ★ Cover           5           2           17           18	Forest Size Class Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole	Sapling           DBH           5           3           5           3           5           4	Well	2.4 Sub-Can Black Bals Tag Will	42 42 42 42 42 45 45 45 45 45 45 45 45 45 45 45 45 45	Trace       Low       B1-110       Density       Low       High       Low       Low       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet >20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce	60           Lowland F           % Cover           5           2           177           18           23	Corest Size Class Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole	Sapling DBH 5 3 5 4 4	Well	2.4 Sub-Can Black Bals Tag Will	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Trace       Low       B1-110       Density       Low       High       Low	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce Balsam Fir	60           Lowland F           Source           5           2           17           18           23           28	Corest Size Class Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole	Sapling           DBH           5           3           5           4           4           3	Well	2.4 Sub-Can Black Bals Tag Will	42 42 42 42 42 45 45 45 45 45 45 45 45 45 45 45 45 45	Trace       Low       B1-110       Density       Low       High       Low       Low       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet >20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) b is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 squar feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce Balsam Fir White Pine	60           Lowland F           5           2           17           18           23           28           1	Corest Size Class Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Log	Sapling DBH 5 3 5 4 4 4 3 16	Well	2.4 Sub-Can Black Bals Tag Will	42 42 42 42 42 45 45 45 45 45 45 45 45 45 45 45 45 45	Trace       Low       B1-110       Density       Low       High       Low       Low       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet >20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) bi is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has gro back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce Balsam Fir White Pine Quaking Aspen	60           Lowland F           5           2           17           23           28           1           28           1           60	Corest Size Class Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Log Pole	Sapling           DBH           5           3           5           4           4           3	Well	2.4 Sub-Can Black Bals Tag Will	42 42 42 42 42 40 50 50 50 50 50 50 50 50 50 50 50 50 50	Trace       Low       81-110       Low       High       Low       Trace       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet >20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) bu is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has grop back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce Balsam Fir White Pine	60           Lowland F           5           2           17           23           28           1           28           1           60	Corest Size Class Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Log Pole	Sapling DBH 5 3 5 4 4 4 3 16	Well Age 42	Wh Suga 2.4 Sub-Can Black Bals Tag Will Black	42 42 42 42 42 42 42 42 42 42 42 42 42 4	Trace       Low       B1-110       Density       Low       Low       Low       Trace       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable 10 - 20 feet >20 feet Variable	Sapling Seeding Seeding Sapling Sapling Tall Shrub Tall Shrub Tall Shrub	made a site visit and determined that oak wilt was likely not the cause mortality, and instead was due to a combination of factors (defoliation, chestnut-borer, etc.). There are not any signs of newer mortality in the stand. Beech bark disease can be found on most beech trees in the stand. White ash used to be a minor component of the canopy (6%) bu is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has grou back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.
	6139 - Mixed Canopy Species Tamarack Balsam Poplar Red Maple Paper Birch Black Spruce Balsam Fir White Pine Quaking Aspen	60           Lowland F           5           2           17           23           28           1           28           1           60	Corest Size Class Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Log Pole	Sapling           DBH           5           3           5           4           3           16           6	Well Age 42	Wh Suga 2.4 Sub-Can Black Bals Tag Will Black Black 1.0 Sub-Can	42 42 42 42 42 40 50 50 50 50 50 50 50 50 50 50 50 50 50	Trace       Low       B1-110       Density       Low       Low       Low       Trace       Trace	5 - 10 feet < 5 feet N/A Avg. Height Variable Variable 10 - 20 feet >20 feet	Sapling Seeding Size Sapling Sapling Tall Shrub Tall Shrub	stand. White ash used to be a minor component of the canopy (6%) be is now all dead from EAB. Trace of ironwood (pole) and paper birch (pole/log) in the overstory. Average ba/acre from 17 plots = 109 square feet. This stand will likely be ready for another thinning next entry. Exclude all steep slopes during the harvest. Cedar clearcut strips cut by Michael Wener in 1982. No cedar has grou back, instead there is a mix of species including a good component of paper birch, especially in the southern segment of this stand. Dense spruce and fir in many places of the northern segment of the stand. Trace of white ash (pole/sap) in the overstory.



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tand	d Level 4 C						Stand Age				
75	4130	- Aspen	S	apling	g Well	9.7	27	Immature	N/A		Fully-stocked stand of aspen. Clearcut in 1997 in the sale Johnson's
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Crossing Blocks (#53-015-96-01), cut by Ralph Walker. Some red oak stump sprouts made it past the browse and are mostly at the far southe
	Balsam Fir	1	Sapling	3			sam Fir	Low	Variable	Sapling	end adjacent to the road. Red maple is more common in the south half
	Paper Birch	1	Sapling	3		Servicebe	rry (Juneberry	) Low	Variable	Tall Shrub	the stand. Good component of shrubs in some areas of the stand. Mos
	White Ash	2	Sapling	3			nyberry	Low	5 - 10 feet	Tall Shrub	upland although there is some wetter ground along the north and southwest edges. Trace of tamarack and white pine in the canopy.
	Quaking Aspen	79	Sapling/Pole	4	27		d Maple	Medium	Variable	Sapling	southwest edges. Trace of tamarack and white pine in the carlopy.
	Bigtooth Aspen	8	Pole/Sapling	5		Wh	nite Ash	Low	Variable	Sapling	
	Red Maple	7	Sapling	3		Pap	er Birch	Trace	>20 feet	Sapling	
	Red Oak	2	Sapling/Pole	4		Blac	k Cherry	Medium	Variable	Tall Shrub	
						Wh	ite Pine	Trace	Variable	Sapling	
						Whit	e Spruce	Trace	5 - 10 feet	Sapling	
76	3105 - Mixed Up	pland Herba	aceous N	lonsto	ocked	1.2		Jnspecified			-Gas well.
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Mixed	d Grasses	Full		Non-Wood	
						Spotteo	d Knapweed	High		Non-Wood	
								-		0 1	
						Bigto	oth Aspen	Trace		Sapling	
							oth Aspen rry/Raspberry	Trace		Tall Shrub	
77	4199 - Other Mixe	•			er Wel	Blackber	rry/Raspberry 90	Trace 111-140	N/A	Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions.
77	Canopy Species	% Cover	Size Class	DBH	er Wel I <b>Age</b>	Blackber 3.1 Sub-Car	90 nopy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son
77	Canopy Species Balsam Fir	<b>% Cover</b>	Size Class Pole	<b>DBH</b> 6		Blackber 3.1 Sub-Car	90 nopy Species	Trace 111-140 Density Medium	Avg. Height Variable	Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. I looks like portions of the stand had a partial harvest at one time as som of the red maple and aspen look younger. Trace of white pine (log) in th
77	Canopy Species Balsam Fir Bigtooth Aspen	% Cover           2           30	Size Class Pole Log/Pole	<b>DBH</b> 6 10	Age	Blackber	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Trace 111-140 Density Medium Low	Avg. Height Variable >20 feet	Size         Sapling         Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the
77	Canopy Species Balsam Fir Bigtooth Aspen Red Oak	% Cover           2           30           36	Size Class Pole Log/Pole Log/XLog/Pole	<b>DBH</b> 6 10 14		Blackber 3.1 Sub-Car Iro Rec	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Trace Trace T1-140 Density Medium Low Trace	Avg. Height Variable >20 feet Variable	Size Sapling Sapling Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. I looks like portions of the stand had a partial harvest at one time as som of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet.
77	Canopy Species Balsam Fir Bigtooth Aspen	% Cover           2           30	Size Class Pole Log/Pole	<b>DBH</b> 6 10	Age	Blackber 3.1 Sub-Car Iro Rec	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Trace 111-140 Density Medium Low	Avg. Height Variable >20 feet	Size         Sapling         Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. I looks like portions of the stand had a partial harvest at one time as som of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet.
77	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple	% Cover           2           30           36           23           9	Size Class Pole Log/Pole Log/XLog/Pole Pole/Log Pole	DBH       6       10       14       8       7	90	Blackber 3.1 Sub-Car Iro Rec Blac	90 nopy Species nwood d Maple Beech ck Cherry	Trace 111-140 Density Medium Low Trace Trace	Avg. Height Variable >20 feet Variable Variable	Size Sapling Sapling Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. I looks like portions of the stand had a partial harvest at one time as som of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet.
	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple	% Cover           2           30           36           23	Size Class Pole Log/Pole Log/XLog/Pole Pole/Log Pole	DBH           6           10           14           8           7           capling	Age	Blackber 3.1 Sub-Car Iro Rec Blac 15.0	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Trace Trace Trace Trace Trace Trace Trace Trace Trace	Avg. Height Variable >20 feet Variable	Size Sapling Sapling Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. I looks like portions of the stand had a partial harvest at one time as som of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar
	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130	% Cover           2           30           36           23           9           - Aspen	Size Class Pole Log/Pole Log/XLog/Pole Pole/Log Pole	DBH           6           10           14           8           7           capling	90 90 90	Blackber 3.1 Sub-Car Iro Rec Blac 15.0 Sub-Car	90 nopy Species onwood d Maple Beech k Cherry 27	Trace Trace Trace Trace Trace Trace Trace Trace Trace	Avg. Height Variable >20 feet Variable Variable	Size Sapling Sapling Sapling Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's
77 77 78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species	% Cover           2           30           36           23           9           - Aspen           % Cover	Size Class Pole Log/Pole Log/XLog/Pole Pole/Log Pole Size Class	DBH           6           10           14           8           7           capling           DBH	90 90 90	Blackber 3.1 Sub-Car Iro Rec Blac 15.0 Sub-Car Whit	90 90 90 90 90 90 90 90 90 90	Trace Trace Density Medium Low Trace Trace Immature Density	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height	Size Sapling Sapling Sapling Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak	% Cover           2           30           36           23           9           - Aspen           % Cover           8	Size Class Pole Log/Pole Pole/Log Pole Size Class Pole/Sapling	DBH       6       10       14       8       7	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber 3.1 Sub-Car Iro Rec Blac 15.0 Sub-Car Whit Rec	ny/Raspberry 90 nopy Species onwood d Maple Beech kk Cherry 27 nopy Species e Spruce	Trace 111-140 Density Medium Low Trace Trace Trace Density Trace	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable	Tall Shrut         Size         Sapling         Sapling         Tall Shrut         Size         Size         Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67	Size Class Pole Log/Pole Dole/Log Pole/Log Size Class Pole/Sapling Sapling/Pole	DBH 6 10 14 8 7 Capling 5 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber Sub-Car Iro Rec E Blac 15.0 Sub-Car Whit Rec Blac	90 nopy Species nwood d Maple Beech k Cherry 27 27 nopy Species e Spruce ed Oak	Trace 111-140 Density Medium Low Trace Trace Density Density Trace Immature Density Trace	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable 10 - 20 feet	Sapling Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand up the slope to the oil pad. The old
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen	% Cover       2       30       23       9       - Aspen       % Cover       8       67       10	Size Class Pole Log/Pole Ole/Log Pole/Log Pole Size Class Pole/Sapling Sapling/Pole	DBH 6 10 14 8 7 capling 5 5 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber 3.1 Sub-Car Irc Rec Blac 15.0 Sub-Car Whit Rec Blac Blac Blac	90 nopy Species nwood d Maple Beech k Cherry 27 27 27 nopy Species e Spruce ed Oak k Cherry	Trace	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable 10 - 20 feet Variable	Size Sapling Sapling Sapling Tall Shrub Size Sapling Sapling Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen Balsam Fir	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67       10       3	Size Class Pole Log/Pole Pole/Log Pole Size Class Size Class Pole/Sapling Sapling/Pole Sapling/Pole	DBH 6 10 14 8 7 Capling 5 5 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber 3.1 Sub-Car Blac Blac 15.0 Sub-Car Whit Re Blac Blac Blac Blac	90 nopy Species nwood d Maple Beech k Cherry 27 27 27 27 27 27 27 27 27 27	Trace	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable	Size Sapling Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen Balsam Fir	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67       10       3	Size Class Pole Log/Pole Pole/Log Pole Size Class Size Class Pole/Sapling Sapling/Pole Sapling/Pole	DBH 6 10 14 8 7 Capling 5 5 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber 3.1 Sub-Car Iro Rec Blac 15.0 Sub-Car Whit Rec Blac Blac Blac Blac Whit	90 90 90 90 90 90 90 90 90 90	Trace Trace Density Medium Low Trace Trace Trace Density Trace Medium Trace Medium	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable < 5 feet	Size Sapling Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in th canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen Balsam Fir	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67       10       3	Size Class Pole Log/Pole Pole/Log Pole Size Class Size Class Pole/Sapling Sapling/Pole Sapling/Pole	DBH 6 10 14 8 7 Capling 5 5 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber I 3.1 Sub-Car Iro Red Blac 15.0 Sub-Car Whit Red Blac Blac Blac Blac	ry/Raspberry 90 nopy Species onwood d Maple Beech ck Cherry 27 nopy Species e Spruce ed Oak ck Cherry sam Fir aved Viburnur ch Hazel d Maple	Trace 111-140 Density Medium Low Trace Trace Trace U Density Trace Medium Addium Medium Medium Medium	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height Variable 10 - 20 feet Variable Variable < 5 feet 5 - 10 feet	Size Sapling Sapling Sapling Tall Shrub Sapling Tall Shrub Sapling Tall Shrub	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen Balsam Fir	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67       10       3	Size Class Pole Log/Pole Pole/Log Pole Size Class Size Class Pole/Sapling Sapling/Pole Sapling/Pole	DBH 6 10 14 8 7 Capling 5 5 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber 3.1 Sub-Car Irc Rec Blac 15.0 Sub-Car Whit Rec Blac Blac Whit Rec Blac Servicebe	ry/Raspberry 90 nopy Species onwood d Maple Beech k Cherry 27 nopy Species e Spruce ed Oak k Cherry sam Fir aved Viburnur ch Hazel d Maple rry (Juneberry	Trace 111-140 Density Medium Low Trace Trace Trace U Density Trace Medium Addium Medium Medium Medium	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height 10 - 20 feet Variable Variable Variable S - 10 feet 10 - 20 feet Variable	Tall Shrut         Size         Sapling         Sapling         Sapling         Tall Shrut         Size         Sapling         Sapling         Sapling         Sapling         Sapling         Tall Shrut         Sapling         Tall Shrut	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.
78	Canopy Species Balsam Fir Bigtooth Aspen Red Oak Red Maple Sugar Maple 4130 Canopy Species Red Oak Bigtooth Aspen Quaking Aspen Balsam Fir	% Cover       2       30       36       23       9       - Aspen       % Cover       8       67       10       3	Size Class Pole Log/Pole Pole/Log Pole Size Class Size Class Pole/Sapling Sapling/Pole Sapling/Pole	DBH 6 10 14 8 7 Capling 5 5 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Blackber Blackber 3.1 Sub-Car Irc Rec Blac 15.0 Sub-Car Whit Rec Blac Blac Whit Rec Servicebe Strip	ry/Raspberry 90 nopy Species onwood d Maple Beech ck Cherry 27 nopy Species e Spruce ed Oak ck Cherry sam Fir aved Viburnur ch Hazel d Maple	Trace 111-140 Density Medium Low Trace Trace Medium Density Trace Medium Medium Medium Medium	Avg. Height Variable >20 feet Variable Variable N/A Avg. Height 10 - 20 feet Variable 10 - 20 feet Variable < 5 feet 5 - 10 feet 10 - 20 feet	Tall Shrut         Size         Sapling         Sapling         Tall Shrut         Size         Sapling         Tall Shrut         Sapling	Mixed stand of oak, aspen, and maple. Oak is more common in the northwest half, aspen is more common in the east/southeast portions. looks like portions of the stand had a partial harvest at one time as son of the red maple and aspen look younger. Trace of white pine (log) in the canopy. Average ba/acre from 5 plots = 116 square feet. Well-stocked aspen stand. Clearcut in 1997 in the sale Johnson's Crossing Block (#53-015-96-01). Almost all of the stand sits on west ar south facing slopes, some of which are very steep, yet all areas of the stand were able to be harvested. A small amount of wet ground is present at the southwestern corner, west of the closed road. An illegal ORV trail cuts through this stand, up the slope to the oil pad. The old Johnson's Crossing RR grade borders this stand to the south.

Stand

79

80

81

82

### Report 7 – Stands

	Pigeon River Co	ountry M	lgt. Unit				Керс	ort 7 – Sta	ands		Compartment: 52 Year of Entry: 2026
nd	Level 4 Co	over Type	e S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
)	42201 - Natural \ Deci	White Pin iduous	e, Mixed Saw	timbe	r Mediu	m 3.1	74	81-110	N/A		Semi-open stand of white pine, portions of which had all the aspen removed years ago. The white pine is mostly good quality with some
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	large diameter trees present. Open understory in many areas of the stand. Average ba/acre from 4 plots = 90 square feet. The survey corne
	Red Maple	8	Log/Pole	12		Servicebe	erry (Juneberry)	Trace	Variable	Tall Shrub	is in at the southwest part of the stand.
	Red Oak	8	Log	13		Wł	hite Pine	Trace	Variable	Sapling	
	Balsam Fir	6	Pole/Log	8		Blac	ck Cherry	Medium	Variable	Tall Shrub	
	White Pine	62	Log/XLog/Pole	15	74	Quak	king Aspen	Low	>20 feet	Sapling	
	Red Pine	1	Log	15							-
)	3105 - Mixed Up	bland Her	baceous I	Nonst	ocked	1.1	U	nspecified			Gas well
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Mixe	d Grasses	Full		Non-Wood	
						Spotte	d Knapweed	Low		Non-Wood	
	710 - S	and, Soil	I	Vonst	ocked	1.0	U	nspecified			VCP Michigan LLC gas well lying at the top of a slope (Permit # 45036,
						Sub-Ca	nopy Species	Density	Avg. Height	Size	State Charlton C2-25). There is a lot of exposed blow sand and erosion ongoing. A large pile of shingles can be found at the south end of the
						Spotte	d Knapweed	Medium	Unspecified	Non-Wood	stand. An illegal ORV trail runs up to this opening, coming from the
						Mixe	d Grasses	Medium	Unspecified	Non-Wood	adjacent aspen stand.
						Cladonia (	Reindeer moss	) Low	Unspecified	Non-Wood	
2	4123 -	Red Oak	Saw		r Mediu	m 5.2	104	81-110	N/A		Nice red oak growing on hardwood quality soils. Cut in 1997 in the sale Johnson's Crossing Block (#53-15-96-01), and it looks like everything
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	was removed except for oak and a few hardwoods. Mostly undesirable
	Sugar Maple	3	Pole/Log	8		Re	ed Maple	Medium	>20 feet	Sapling	regeneration except for a little bit of sugar maple regen. Average ba/act
	Red Maple	2	Pole	6		Irc	onwood	Medium	Variable	Sapling	from 4 plots = 95 square feet. Rolling terrain with some steep slopes.
	Red Oak	93	Log/XLog/Pole	15	104	Strip	ped Maple	High	10 - 20 feet	Sapling	
	Beech	1	Pole	6		Sug	gar Maple	Low	>20 feet	Sapling	
	Basswood	1	Log	13		E	Beech	Medium	Variable	Sapling	
;	3105 - Mixed Up	pland Her	baceous	Nonst	ocked	1.1	U	nspecified			Old gas well.
						Sub Ca	nony Chooleo	Density	Ave Llaight	Sine	1

83	3105 - Mixed Upland Herbaceous	Nonstocked	1.1 Ur	nspecified		
			Sub-Canopy Species	Density	Avg. Height	Size
			Mixed Grasses	Full		Non-Wood
			Spotted Knapweed	High		Non-Wood

Level 4 Cover Type

4199 - Other Mixed Upland Deciduous

5

5

54

7

1

16

12

% Cover

3

12

2

61

4

6

12

42111 - Planted Red Pine, Mixed

Deciduous

% Cover Size Class

Pole/Log

Pole

Log/Pole

Log/Pole/XLog

Pole/Log

Pole/Log

8

6

12 54

13

8

8

White Pine

Ironwood

Striped Maple

Black Cherry

Balsam Fir

Serviceberry (Juneberry)

Red Maple

**Canopy Species** 

Basswood

Beech

Red Oak

**Bigtooth Aspen** 

Paper Birch

Sugar Maple

Red Maple

**Canopy Species** 

Red Oak

**Bigtooth Aspen** 

Balsam Fir

Red Pine

White Pine

Red Maple

Quaking Aspen

Stand

84

85

### Report 7 – Stands

DNR

e		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
D	eciduous	Sawtimb	er Well	22.9	91	111-140	N/A		Oak/mixed hardwood stand, the majority of which lies on very steep
ər	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	slopes. The only areas of operable terrain are in the middle parts of the stand and along a few of the ridgelines. Red oak guality varies
	Log/Pole	11		Ir	onwood	Medium	Variable	Sapling	significantly and is generally much lower quality on the south facing
	Pole/Log	8		Maple Le	eaved Viburnum	Low	< 5 feet	Tall Shrub	aspects. The middle and northern parts of the stand have much better
	Log/Pole/XLo	og 14	91	Stri	ped Maple	Low	Variable	Sapling	quality stems. Bigtooth aspen is limited to a small pocket at the east end. Average ba/acre from 7 plots = 131 square feet. No management due to
	Log/XLog	15		Su	gar Maple	Low	>20 feet	Sapling	the steep slopes.
	Pole/Log	8			Beech	Low	Variable	Sapling	
	Pole/Log	8							
	Log/Pole	10							
ə,	Mixed	Sawtimb	er Well	10.3	54	171-200	N/A		Red pine plantation with a significant component of aspen scattered throughout both individually and in small clones. Good quality red pine in
ər	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	those areas where it isn't overtopped by aspen. No signs of a past treatment in this stand. Trace of black cherry (pole) and paper birch
	Log/XLog	15			Beech	Trace	5 - 10 feet	Sapling	(pole) in the canopy. Average ba/acre from 8 plots = 180 square feet.

Sapling

Sapling

Sapling

Tall Shrub

Sapling

Tall Shrub

Sapling

86	4130 -	- Aspen	S	Sapling	Well	29.3	8	Immature	N/A		Stand cut in December of 2016 in the sale Outhouse Aspen, #53-008-16-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	opy Species	<b>Density</b>	Avg. Height	Size	01. Whole-tree, flail harvest. Regen has come back very well with the exception of where the flail pile was located as well as a few areas
	Red Oak	12	Log/Pole/XLog	13		Serviceberr	y (Juneberry	/) Trace	Variable		affected by browse. Otherwise the regen looks very good. All oak was left
	Quaking Aspen	75	Sapling	1	8	Hawtho	orn (spp.)	Trace	5 - 10 feet	Tall Shrub	as well as some pine.
	White Pine	2	Log	13							·
	Bigtooth Aspen	10	Sapling	1							
	Paper Birch	1	Pole/Log	8							

Trace

Trace

Trace

Trace

Trace

Low

Trace

Variable

Variable

5 - 10 feet

Variable

Variable

>20 feet

>20 feet

87	3105 - Mixed Upland Herbaceous	Nonstocked	1.0 Ur	nspecified		
			Sub-Canopy Species	Density	Avg. Height	Size
			Spotted Knapweed	High		Non-Wood
		_	Blackberry/Raspberry	Low		Tall Shrub
			Mixed Grasses	Full		Non-Wood
			Red Oak	Trace		Seeding

### Compartment: 52 Year of Entry: 2026

NE DNE

Stand	Level 4 C	over Type		Size De	nsity	Acres Stand Ag	e BA Range	Managed	Site	General Comments
88	4199 - Other Mixe	d Upland D	eciduous	Sawtimb	er Well	43.6 91	81-110	N/A		Mixed hardwood/red oak stand that sits on a series of ridges and valleys.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	The oak is generally high quality in most places of the stand. Hardwoods are moderate quality, with the best stems being located in some of the
	Sugar Maple	30	Pole/Log	8	91	Striped Maple	Low	Variable	Sapling	shaded coves/valleys. Trace of paper birch (pole/log) and yellow birch
	Beech	8	Log/Pole	11		Beech	Medium	Variable	Sapling	(pole) in the overstory. White ash used to occupy about 10% of the
	Red Oak	45	Log/XLog	15	91	Sugar Maple	Low	>20 feet	Sapling	canopy but it is now all dead from EAB. Average ba/acre from 12 plots = 103 square feet, although the BAs tend to vary quite a bit with some well-
	Ironwood	1	Pole	5		Ironwood	High	Variable	Sapling	stocked areas. It's likely that this stand will be ready for a thinning next
	Red Maple	10	Log/Pole	10						entry, although total available acreage will decrease dramatically due to
	Basswood	6	Log/Pole	12						the amount of steep terrain.
89	6128 - Lowland Dec	Coniferous, iduous	, Mixed	Sawtimb	er Well	31.7 117	171-200	N/A		Diverse lowland stand with most species displaying excellent growth and quality. Most of the cedar is healthy and vigorous. Generally well-stocked
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	although there are some scattered areas of lower stocking along the west edge. There are also some newer areas of blowdown in the central part
	White Pine	9	XLog/Log	20		Balsam Fir	Low	Variable	Sapling	of the stand, likely a result of the more recent clearcut to the west. Barren
	Hemlock	8	Pole/Log	9		Tag Alder	Trace	Variable	Tall Shrub	understory in most spots as there is evidence of heavy deer use. The
	Basswood	1	Log	14		Black Ash	Trace	Variable	Sapling	south end of the stand has some upland inclusions and is where more of the hemlock is located, along with the oak component. There is also a
	Red Oak	2	Log/XLog	15	-				·	small inclusion of younger aspen and fir in this general area. At the
	Balsam Fir	8	Pole	7						northwest end, adjacent to the private property, is a small pocket of
	Red Maple	15	Log/Pole	11						younger paper birch, fir, and red maple which was the site of an old ceda strip cut. Average ba/acre from 11 plots = 171 square feet. No
	Quaking Aspen	3	Log/Pole	13						management due to the wet soils.
No	rthern White Cedar	45	Log/Pole	10	117					u u u u u u u u u u u u u u u u u u u
	Paper Birch	8	Pole/Log	9						
90	3105 - Mixed U	pland Herba	aceous	Nonsto	cked	1.1	Unspecified			Gas well
					Γ	Sub-Canopy Spec	ies Density	Avg. Height	Size	
						Spotted Knapwee	d High	Unspecified	Non-Wood	
						Blackberry/Raspbe	rry Low	< 5 feet	Tall Shrub	
						Mixed Grasses	Full	Unspecified	Non-Wood	

Compartment: 52

Year of Entry: 2026

Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Site	General Comments
91	4130	- Aspen		Sapling	Well	50.1	6	Immature	N/A	2023 update - Very good looking aspen regen, nearly fully-stocked except
	Canopy Species	% Cover	Size Class	DBH	Age					for some of the main skid trails. Only light browse on the quaking aspen. Bigtooth aspen is being browsed heavily but is relatively uncommon in
	Basswood	1	Log	14						the stand, being found mostly along the south/southwest edges of the
	Balsam Poplar	10	Sapling	1						stand. The far east side of this stand, surrounding stand 16 (G type), was
	Bigtooth Aspen	10	Sapling	1						formerly a separate stand, a white spruce plantation with aspen mixed in. It has regenerated well to aspen with only a few areas of lower stocking.
	White Pine	1	XLog	22						Species diversity in the regeneration is low, the only other deciduous
	Black Cherry	2	Pole/Log	8						species noted were some black cherry sprouts. White spruce seedlings
	White Spruce	2	Log	14						were observed in some of the areas without much aspen regen.
	Quaking Aspen	74	Sapling	1	6					07/13/2018 - Stand cut in early summer of 2018 in the sale Old
				I I						Homestead Aspen SBW, #53-003-16-01. Roundwood job cut by a
										Precision crew. Scattered spruce, red pine, and white pine left throughout. All cherry, paper birch, and basswood left as well, which
										there was quite a bit of in the area on the northwest side of stand 7 (MD6
										stand). Two small instances of rutting, one on the east side of the G type,
										stand 12, and the other on the north side of the L type, stand 105. Slash

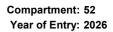
2023 regen survey update - See attached document for TPA numbers. White ash and ironwood regen is dominant. Most species are still below 4 feet tall at this time. Some oak stump sprouts have surpassed the browse line, but not many overall. In general, browse pressure is nq moderate in this stand and appears to be mostly from deer, rather than elk. The further you get away from the roads, the more intense the ۱g browse becomes. Despite the browse, I would estimate canopy coverage ŋg of the regen to be at least 75% at this time. A heavy layer of blackberry is present throughout most of the stand. Per the regen survey treatment, oak will not reach the desired 25% of the canopy coverage and ironwood will likely become dominant in the stand. Initiate next steps treatments of interplanting white pine and white oak. This treatment will require a variance. Add another monitoring treatment for 4 years from now to reassess the regeneration.

was scattered in these areas and they were somewhat smoothed out.

Stand was harvested in the summer and fall of 2018 in the sale Valley Oak, #53-004-16-01. Cut by a roundwood crew from Precision. No rutting or residual damage issues. Processors did a good job of getting the ironwood regen knocked down although there are a few scattered clumps here and there in the north half. Average residual ba/acre from 50 plots = 13 square feet.

Prior to harvesting, low quality oak and hardwoods. Stand almost appears as if it were highgraded. A few pockets of nice sugar maple regen, however ironwood dominates the regeneration and is very dense throughout the stand.

92	4123 -	Red Oak		Sawtimb	er Poor	54.3	96	1-50	N/A	
	Canopy Species	% Cove	Size Class	5 DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size
	Sugar Maple	1	Log	11	96	Wh	ite Ash	High	< 5 feet	Seeding
	Red Oak	96	Log	14	96	Re	ed Oak	Low	< 5 feet	Seeding
	Basswood	2	Log	11		Bigtod	oth Aspen	Low	< 5 feet	Seeding
	Paper Birch	1	Log/Pole	10		Red	d Maple	Low	< 5 feet	Seeding
						Iro	nwood	High	< 5 feet	Seeding
						Re	ed Oak	Low	5 - 10 feet	Sapling
						Quaki	ing Aspen	Low	< 5 feet	Seeding
						Suga	ar Maple	Low	< 5 feet	Seeding
						Commo	n Blackberry	High	< 5 feet	Tall Shrub



DNR

Stand	Level 4 C						Stand Age B				
93	6120 - Lov	wland Ceda	ır P	oletimb	er Wel	l 31.7	121	201+	N/A		High quality, densely stocked cedar in the interior of the stand with area
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	of decline along most of the northern edge as well as some areas along the road. Barren understory in most places due to the high stocking.
	Tamarack	2	Pole/Log	8		Та	g Alder	Trace	10 - 20 feet	Tall Shrub	Evidence of heavy deer use throughout. Average ba/acre from 5 plots =
	White Pine	1	Log/XLog	17		Bla	ack Ash	Trace	Variable	Sapling	272 square feet. At least one stream passes through this stand, with
	Hemlock	2	Log/Pole	12		Bal	sam Fir	Trace	Variable	Sapling	several areas of wet ground as well. No management.
	Paper Birch	4	Pole/Log	8						·	
No	orthern White Cedar	76	Pole/Log	9	121						
	Red Maple	4	Pole/Log	9							
	Balsam Fir	3	Pole	7							
	Black Spruce	8	Pole/Log	8							
94	3105 - Mixed Up	pland Herba	aceous	Nonsto	ocked	1.2	U	nspecified			Gas well
						Sub-Car	nopy Species	Density	Avg. Height	Size	
										New Mead	
						Mixed	d Grasses	Full		Non-Wood	
							d Grasses d Knapweed	High		Non-Wood	
						Spotted					
95	3105 - Mixed U	pland Herba	aceous	Nonsto	ocked	Spotted	d Knapweed ry/Raspberry	High		Non-Wood	Gas well
95	3105 - Mixed Up	pland Herba	aceous	Nonsto	ocked	Spotted Blackber 1.0	d Knapweed ry/Raspberry	High Low	Avg. Height	Non-Wood	1
95	3105 - Mixed Uj	pland Herba	aceous	Nonsto	ocked	Spotted Blackber 1.0 Sub-Car	l Knapweed ry/Raspberry Ui	High Low	Avg. Height	Non-Wood Tall Shrub	Gas well
	3105 - Mixed Uj 6139 - Mixed			Nonsto		Spotted Blackber 1.0 Sub-Car	I Knapweed ry/Raspberry Un nopy Species	High Low nspecified Density	Avg. Height	Non-Wood Tall Shrub Size Non-Wood	Gas well This stand is a series of 4 small cedar cuts that were done in the mid
		Lowland Fc		Sapling		Spotted Blackber 1.0 Sub-Car Mixed 3.5	I Knapweed ry/Raspberry Un nopy Species I Grasses	High Low nspecified Density Full		Non-Wood Tall Shrub Size Non-Wood	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all
	6139 - Mixed	Lowland Fc	orest Size Class Pole	Sapling DBH	y Well	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car	d Knapweed rry/Raspberry Un nopy Species d Grasses 40	High Low Density Full 51-80	N/A	Non-Wood Tall Shrub Size Non-Wood	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots =
	6139 - Mixed Canopy Species	Lowland Fo	orest Size Class	Sapling DBH	y Well	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac	d Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species	High Low Density Full 51-80 Density	N/A Avg. Height	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream
	6139 - Mixed Canopy Species Balsam Poplar	Lowland Fo	orest Size Class Pole	Sapling DBH 5 3	y Well	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blacd Tar	d Knapweed ry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce	High Low Density 51-80 Density Low	N/A Avg. Height 5 - 10 feet	Non-Wood Tall Shrub Size Non-Wood Size Sapling	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No
	6139 - Mixed Canopy Species Balsam Poplar Paper Birch	Lowland Fc % Cover 1 28	Direst Size Class Pole Sapling/Pole	Sapling DBH 5 3 3 3	y Well I Age	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blact Tai Blac	d Knapweed ry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack	High Low Density Full 51-80 Density Low Trace	N/A Avg. Height 5 - 10 feet Variable	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream
	6139 - Mixed Canopy Species Balsam Poplar Paper Birch Balsam Fir	Lowland Fc % Cover 1 28 36	Size Class Pole Sapling/Pole Sapling/Pole	Sapling DBH 5 3 3 3 3	y Well I Age	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac Tar Bla C	d Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack ack Ash	High Low Density Full 51-80 Density Low Trace Low	N/A Avg. Height 5 - 10 feet Variable Variable	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling Sapling	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No management in the future.
	6139 - Mixed Canopy Species Balsam Poplar Paper Birch Balsam Fir Red Maple	Lowland Fc % Cover 1 28 36 21	Size Class Pole Sapling/Pole Sapling/Pole Sapling/Pole	Sapling DBH 5 3 3 3 3	y Well I Age	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac Blac Tar Bla Tar Will	A Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack ack Ash g Alder	High Low Density Full 51-80 Density Low Trace Low Trace	N/A Avg. Height 5 - 10 feet Variable Variable Variable	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling Sapling Tall Shrub	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No management in the future.
	6139 - Mixed Canopy Species Balsam Poplar Paper Birch Balsam Fir Red Maple Black Spruce	Lowland Fc % Cover 1 28 36 21 10	Size Class Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole	Sapling <b>DBH</b> 5 3 3 4 3 4 3	y Well I Age	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac Blac Blac Tar Bla UWill Bal	A Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack ack Ash g Alder ow spp.	High Low Density Full 51-80 Density Low Trace Low Trace Trace	N/A Avg. Height 5 - 10 feet Variable Variable Variable >20 feet	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling Sapling Tall Shrub Tall Shrub	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No management in the future.
95 96 97	6139 - Mixed Canopy Species Balsam Poplar Paper Birch Balsam Fir Red Maple Black Spruce Black Ash	Lowland Fc <b>% Cover</b> 1 28 36 21 10 1 1 3	Size Class Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling Sapling/Pole	Sapling <b>DBH</b> 5 3 3 4 3 4 3	9 Well <b>Age</b> 40	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac Blac Blac Tar Bla UWill Bal	d Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack ack Ash g Alder low spp. sam Fir rry (Juneberry)	High Low Density Full 51-80 Density Low Trace Low Trace Trace Medium	N/A Avg. Height 5 - 10 feet Variable Variable Variable >20 feet Variable	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling Sapling Tall Shrub Tall Shrub	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No management in the future.
96	6139 - Mixed Canopy Species Balsam Poplar Paper Birch Balsam Fir Red Maple Black Spruce Black Ash Tamarack	Lowland Fc <b>% Cover</b> 1 28 36 21 10 1 1 3	Size Class Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling Sapling/Pole	Sapling 5 3 3 3 4 3 4 3 4 4 3	9 Well <b>Age</b> 40	Spotted Blackber 1.0 Sub-Car Mixed 3.5 Sub-Car Blac Tar Bla Tar Bla Serviceber 1.3	d Knapweed rry/Raspberry Un nopy Species d Grasses 40 nopy Species k Spruce marack ack Ash g Alder low spp. sam Fir rry (Juneberry)	High Low Density Full 51-80 Density Low I Cow Trace Low Trace Medium Trace	N/A Avg. Height 5 - 10 feet Variable Variable Variable >20 feet Variable	Non-Wood Tall Shrub Size Non-Wood Sapling Sapling Sapling Tall Shrub Tall Shrub	Gas well This stand is a series of 4 small cedar cuts that were done in the mid 1980's. No evidence of any cedar regeneration. Heavy deer use in all units and a browse line is evident on many of the fir. Good component paper birch in the most southern unit. Average ba/acre from 10 plots = 74 square feet. Close to being a poletimber stand. A small stream running north cuts through the middle of the northern three stands. No management in the future.



12 212

E

Stand	Level 4 C	over Type	:	Size Dens	ity	Acres Stand Age	BA Range	Managed	Site	General Comments
98	4199 - Other Mixe	d Upland E	Deciduous S	Sawtimber	Well	113.4 85	111-140	N/A		Red oak/mixed hardwood stand sitting on rolling terrain with numerous
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Canopy Species	s Density	Avg. Height	Size	steep slopes. There are also a few sinkhole-like formations in the southeast part of the stand. Red oak quality is generally high but does
	Red Oak	50	Log/Pole/XLog	g 13	35	Hemlock	Trace	>20 feet	Pole	vary somewhat based on slope and aspect. South and west facing slopes
	Basswood	3	Log/Pole	11		Ironwood	Low	Variable	Sapling	tend to have lower quality oak and smaller diameter trees, as do some of
	Bigtooth Aspen	3	Log	14		Beech	Medium	Variable	Sapling	the ridgetops. Site quality increases in the south half of the stand with a higher amount of sugar maple and basswood in the canopy. Trace of
	Sugar Maple	14	Pole/Log	8		Striped Maple	Low	Variable	Sapling	white pine in the overstory (log/pole). Most red pine is in the northwest
	Red Pine	1	Log/Pole	13		Sugar Maple	Trace	>20 feet	Sapling	part of the stand. Some larger hemlock are present in the southeast
	Paper Birch	4	Pole/Log	8		White Pine	Trace	Variable	Sapling	corner. Average ba/acre from 21 plots = 113 square feet. Quite a few rocks in the soil, a rarity in the PRC. Although there are a few coves and
	Red Maple	21	Pole/Log	8						ridgelines that are operable, the vast majority of this stand has slopes
	Beech	4	Pole/Log	8						that are too steep for management.
99	3105 - Mixed U	land Herb	aceous	Nonstock	ed	1.3 (	Unspecified	No		Opening sitting in a small valley with slopes on all sides. Lots of elk use
						Sub-Canopy Species	s Density	Avg. Height	Size	in the stand.
						Witch Hazel	Trace	5 - 10 feet	Tall Shrub	
						Bigtooth Aspen	Trace	>20 feet	Sapling	
						Mixed Grasses	Full	Unspecified	Non-Wood	
						Beech	Low	Variable	Sapling	
						Black Cherry	Low	Variable	Tall Shrub	
						Ironwood	Low	Variable	Sapling	
100	3105 - Mixed Up	bland Herb	aceous	Nonstock	ed	1.2	Unspecified			Gas well
						Sub-Canopy Species	s Density	Aven Halasha		
						oub-ounopy opecies	5 Density	Avg. Height	Size	
						Spotted Knapweed	Medium	Unspecified	Size Non-Wood	
							-			
101	4199 - Other Mixe	d Upland [	Deciduous S	apling Me	dium	Spotted Knapweed	Medium	Unspecified	Non-Wood Non-Wood	Clearcut in 2002 in the sale Johnson's Crossing Blocks 2 (#53-007-01-
101	4199 - Other Mixe Canopy Species		Deciduous S	apling Me		Spotted Knapweed Mixed Grasses	Medium Full Immature	Unspecified Unspecified	Non-Wood Non-Wood	01). Some oak was left as residual, more common in the south half of the
101				<b>DBH</b> <i>A</i>	ge	Spotted Knapweed Mixed Grasses 22.7 22	Medium Full Immature S Density	Unspecified Unspecified N/A	Non-Wood Non-Wood	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse
101	Canopy Species	% Cover	Size Class	DBH A	ge	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species	Medium Full Immature S Density	Unspecified Unspecified N/A Avg. Height	Non-Wood Non-Wood	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts
101	Canopy Species Quaking Aspen	<b>% Cover</b> 8	Size Class	DBH         A           3         2	ge	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species Maple Leaved Viburnur	Medium Full Immature Density n Low	Unspecified Unspecified N/A Avg. Height < 5 feet	Non-Wood Non-Wood Size Tall Shrub	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts did make it past the browse level (canopy % is a mix of residual and new
101	Canopy Species Quaking Aspen Beech	<b>% Cover</b> 8 4	Size Class Sapling Sapling	DBH         A           3         2	.ge	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species Maple Leaved Viburnur Striped Maple	Medium Full Immature S Density n Low Low	Unspecified Unspecified N/A Avg. Height < 5 feet 5 - 10 feet	Non-Wood Non-Wood Size Tall Shrub Sapling	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts did make it past the browse level (canopy % is a mix of residual and new in-growth, roughly a 50/50 split). Aspen is only present in a few scattered clumps, most numerous at the south end. Trace of paper birch and white
101	Canopy Species Quaking Aspen Beech Red Maple	% Cover           8           4           38	Sapling Sapling Sapling Sapling	DBH A           3           2           3	.ge	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species Maple Leaved Viburnur Striped Maple White Pine	Medium Full Immature S Density n Low Low	Unspecified Unspecified N/A Avg. Height < 5 feet 5 - 10 feet Variable	Non-Wood Non-Wood Size Tall Shrub Sapling Sapling	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts did make it past the browse level (canopy % is a mix of residual and new in-growth, roughly a 50/50 split). Aspen is only present in a few scattered
101	Canopy Species Quaking Aspen Beech Red Maple Ironwood	% Cover           8           4           38           3	Size Class Sapling Sapling Sapling Sapling	DBH A           3           2           3           2           3           2           2           2           2	.ge	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species Maple Leaved Viburnur Striped Maple White Pine Red Maple	Medium Full Immature Density n Low Low Low Medium	Unspecified Unspecified N/A Avg. Height < 5 feet 5 - 10 feet Variable 10 - 20 feet	Non-Wood Non-Wood Size Tall Shrub Sapling Sapling Sapling	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts did make it past the browse level (canopy % is a mix of residual and new in-growth, roughly a 50/50 split). Aspen is only present in a few scattered clumps, most numerous at the south end. Trace of paper birch and white
101	Canopy Species Quaking Aspen Beech Red Maple Ironwood Striped Maple	% Cover           8           4           38           3           2	Size Class Sapling Sapling Sapling Sapling Sapling	DBH         A           3         2           3         2           2         2           2         2           4         4	<b>.ge</b>     22	Spotted Knapweed Mixed Grasses 22.7 22 Sub-Canopy Species Maple Leaved Viburnur Striped Maple White Pine Red Maple Ironwood	Medium Full Immature Density n Low Low Low Medium Low	Unspecified Unspecified N/A Avg. Height < 5 feet 5 - 10 feet Variable 10 - 20 feet 5 - 10 feet	Non-Wood Non-Wood Size Tall Shrub Sapling Sapling Sapling Sapling	01). Some oak was left as residual, more common in the south half of the stand. Regeneration has come back to mixed deciduous species but there are numerous areas that have been severely impacted by browse and the regen has been kept below 5 feet tall. Some oak stump sprouts did make it past the browse level (canopy % is a mix of residual and new in-growth, roughly a 50/50 split). Aspen is only present in a few scattered clumps, most numerous at the south end. Trace of paper birch and white

#### Compartment: 52 Year of Entry: 2026

**General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 3105 - Mixed Upland Herbaceous Nonstocked 1.5 Unspecified Gas well. Some red oak saplings and white pine of various sizes on the 102 west end. There is a noticeable browse line on the smaller white pine Avg. Height Sub-Canopy Species Density Size saplings. Mixed Grasses Full Unspecified Non-Wood White Pine I ow Variable Sapling White Pine Low >20 feet Pole Red Oak Trace Variable Sapling Black Cherry Trace Variable Tall Shrub White Pine Trace >20 feet Log 4136 - Aspen, Mixed Conifer 16.7 46 81-110 Poletimber Well N/A Moderate quality aspen stand. Aspen diameters are largest at the south 103 end of the stand and decrease as you move north, with some areas still Size Class **Canopy Species** % Cover DBH Age Sub-Canopy Species Density Avg. Height Size having submerchantable stems. The ground becomes progressively Balsam Fir 17 Pole 6 Balsam Fir Medium Variable Sapling wetter as you move north, which may explain the decrease in diameter growth. Pit and mound topography is common throughout the wet areas Pole/Sap/Log 8 46 Quaking Aspen 58 Red Maple Low >20 feet Sapling and heavily browsed black ash seedlings are abundant. Scattered larger Red Oak 2 14 5 - 10 feet Sapling Loa/Pole Beech Trace diameter residual red maple, red oak, cedar, birch, and white pine can be Paper Birch 1 Pole/Loa 8 White Ash Trace 5 - 10 feet Sapling found throughout the stand. Many white pine are legacy tree size. A few hemlock are mixed in with the white pine in the northeast corner. Some White Pine 2 20 Tall Shrub XLoa/Loa Serviceberry (Juneberry) Trace >20 feet younger red oak (as old as the aspen) can be found in the stand. 19 8 Medium Seeding **Red Maple** Pole/Log Black Ash < 5 feet Average ba/acre from 10 plots = 141 square feet. Northern White Cedar Log/Pole Tall Shrub 1 11 Black Cherry Trace Variable 6112 - Lowland Aspen Sawtimber Poor 0.8 57 1-50 N/A Small non-forested wetland with a buffer of trees along the edges. 104 **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Pole Tall Shrub American Elm 2 7 Tag Alder Medium 10 - 20 feet Balsam Fir 5 11 Medium 5 - 10 feet Tall Shrub Log/Pole Michigan Holly Red Maple 21 Loa/Pole 12 White Spruce I ow Variable Sapling 60 12 Loa/Pole 57 Balsam Poplar Sapling Quaking Aspen Trace >20 feet White Spruce 12 Log/Pole/XLog 13 American Elm Trace >20 feet Sapling 6112 - Lowland Aspen Sawtimber Poor 57 1-50 N/A 105 1.0 Small wetland that was protected when the surrounding stand was cut, a small buffer of trees was included around the edges for retention % Cover Size Class DBH Age Size **Canopy Species** Sub-Canopy Species Density Avg. Height purposes. Quaking Aspen 71 Log/Pole 11 57 Michigan Holly Medium 5 - 10 feet Tall Shrub 8 **Red Maple** 20 Pole/Log White Spruce Trace Variable Sapling Balsam Fir 4 Pole 7 Red Maple >20 feet Low Sapling White Spruce 5 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub Balsam Fir Variable Trace Sapling Cattail spp. Medium Unspecified Non-Wood 310 - Herbaceous Openland Nonstocked 0.8 0 Unspecified 106

Compartment: 52 Year of Entry: 2026

**General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4191 - Mixed Upland Deciduous with Poletimber Well 8.5 72 111-140 N/A Diverse mixed species stand. There was likely a partial harvest years ago 107 Conifer in the stand as there are a handful of younger aspen clones mixed in: specifically a bigtooth aspen clone on the east side of the gas well. A **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size vounger component of oak is also present in the stand. Hardwoods are Balsam Fir 9 Balsam Fir Low 15 Pole/Log Variable Sapling good quality but tend to be scattered throughout in small clumps. Paper birch is mostly near Sparr Road and abundant in some areas. Fir and White Spruce 4 Pole/Log 8 Ironwood Medium >20 feet Sapling spruce is mostly in the southwest part of the stand. Trace of red pine Sugar Maple 31 Pole/Loa/XLoa 8 72 White Spruce Low Variable Sapling (log), beech (log), and black cherry (pole) in the overstory. Average Red Oak 3 11 Log/Pole Paper Birch Trace >20 feet Sapling ba/acre from 12 plots = 120 square feet. No management at this time. Let grow and manage for a mixed hardwood stand. Paper Birch 6 Pole/Loa 8 Black Cherry Low >20 feet Tall Shrub 15 White Pine 1 Log/XLog **Red Maple** 10 Pole/Log 8 Basswood 8 Log/Pole 11 Ironwood 2 Pole/Sapling 5 Quaking Aspen 10 Loa/Pole 11 51 4130 - Aspen Poletimber Well 7.7 51 111-140 N/A This stand was originally a part of adjacent stand 91 to the north but was 108 excluded from that harvest due to its proximity to the Black River and % Cover Size Class **Canopy Species** DBH Age Sub-Canopy Species Density Avg. Height Size steep slopes. Canopy %'s are largely an estimate from edge Red Maple 7 Pole 6 Balsam Fir Medium Variable Sapling observations. 7 3 Pole Medium Paper Birch White Spruce Variable Sapling Quaking Aspen 25 Pole/Log 8 51 10 7 Balsam Fir Pole White Spruce 6 8 Pole/Log 7 Sugar Maple 3 Pole 2 5 Ironwood Pole/Sapling **Bigtooth Aspen** 44 Pole 8 51 310 - Herbaceous Openland 0.6 0 Unspecified Well pad. 109 Nonstocked 6117 - Lowland Deciduous. Mixed Sapling Well 3.3 40 N/A 111-140 Old cedar clearcut that was harvested in several small chunks from 1982-110 Coniferous 1986. Objective was to feed deer. This portion of the cut regenerated well to paper birch. Close to being a poletimber stand. A few areas with larger Size Class Size **Canopy Species** % Cover DBH Age Sub-Canopy Species Density Avg. Height trees along the east edge, mostly cedar with a few spruce, fir, and red Black Spruce 2 Sapling/Pole 4 Black Ash Low 10 - 20 feet Sapling maple. Trace of basswood (pole/log) in the overstory. Average ba/acre of Paper Birch 38 Sapling/Pole 4 40 **Red Maple** Low 10 - 20 feet Sapling the stand from 4 plots = 120 square feet. Northern White Cedar 1 12 Balsam Fir Medium Variable Sapling Log 21 3 Balsam Fir Sapling/Pole Tag Alder Trace Variable Tall Shrub White Ash 1 3 Sapling American Elm 1 Pole 6 30 **Red Maple** Sapling/Pole 4 White Spruce 2 Sapling/Pole 3

Compartment: 52 Year of Entry: 2026

tand Lev	vel 4 Cove	er Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
<b>11</b> 612	20 - Lowlan	nd Ceda	r	Poletimb	er Well	78.5	117	201+	N/A		Very dense, high quality stand of cedar. Most cedar is healthy and
Canopy Spe	cies %	Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	vigorous except for a few scattered areas of decline, typically in areas that are the wettest, such as along the south edge and in the northwest
White Spruc	е	1	Log	14		Ta	ag Alder	Low	Variable	Tall Shrub	part of the stand, where a small stream is located. The interior middle
Black Spruc	e	10	Pole/Log	9		Ba	alsam Fir	Low	Variable	Tall Shrub	part of the stand has the best quality cedar and highest stocking, with
Paper Birch	1	4	Pole	8							I some areas having BAs at or above 300 square feet. Stocking declines the southern "finger" of the stand and composition transitions to more o
Red Maple		3	Log/Pole	10							a mixed lowland type. The understory is barren in most places of the
Hemlock		2	Log/Pole	10							stand, except for where stocking declines. Trace of balsam poplar
White Pine		2	XLog/Log	19							(log/pole) in the overstory. Average ba/acre from 13 plots = 229 square feet. No management due to wet ground and the inability to re-grow
Quaking Asp	en	1	Log	13							cedar.
Northern White 0	Cedar	72	Pole/Log	8	117						
Balsam Fir		5	Pole	7							

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<b>Canopy Species</b>	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	8	Pole	8		White Spruce	Trace	Variable	Sapling
Red Maple	48	Pole/Log	8	84	White Ash	Low	Variable	Sapling
Sugar Maple	14	Pole/Log	8		Red Oak	Trace	>20 feet	Sapling
White Spruce	1	Pole	6		Ironwood	Low	Variable	Sapling
Paper Birch	9	Pole/Log	8		Black Cherry	Low	Variable	Tall Shrul
Quaking Aspen	13	Log	13		Beech	Low	Variable	Sapling
Red Oak	7	Log/XLog	15		Striped Maple	Low	Variable	Sapling
					Red Maple	Low	>20 feet	Sapling
					Balsam Fir	Trace	Variable	Sapling
					Sugar Maple	Trace	>20 feet	Sapling

Mixed hardwood stand adjacent to Johnson's Crossing Equestrian Campground. The east half of the stand is more of a typical hardwood stand with red maple, sugar maple, and some red oak mixed in while the west half transitions to more of a red maple, aspen, birch type. Mostly upland but there is some slightly wet ground along the western edge. Some areas of lower stocking where some of the larger aspen have fallen over. Generally poor quality timber overall except for the red oak component. Average ba/acre from 4 plots = 80 square feet. Leave unmanaged due to the proximity to the campground.

113	6120 - Low	land Ceda	ır	Poletimb	er Well	68.0	117	171-200	N/A	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size
	Paper Birch	5	Pole/Log	9		Та	g Alder	Low	Variable	Tall Shrub
	Balsam Fir	10	Pole/Log	8		Blac	k Spruce	Trace	Variable	Sapling
	Quaking Aspen	2	Log	12		Bal	sam Fir	Low	Variable	Tall Shrub
	White Spruce	2	Log/XLog	14						
	Black Spruce	8	Pole/Log	9						
	Red Maple	5	Log/Pole	12						
	Hemlock	1	Log/Pole	14						
Nor	rthern White Cedar	67	Pole/Log	9	117					

Lowland cedar stand with many areas of very high quality, densely stocked cedar, typically in the interior parts of the stand. However, there are also scattered areas of lower quality cedar and some pockets that are in decline, most common along the edges of the stand. The middle part of the stand near the railroad grade is more of a mixed species type and also has some drier ground. Trace of tamarack (pole/log) and white pine (log/xlog) in the overstory. Average ba/acre from 14 plots = 177 square feet. At least two streams flow north through the stand. No management.

Compartment: 52 Year of Entry: 2026

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Stand	Level 4 Co	over Type	5	ize De	ensity	Acres Stand Age E	A Range	Managed S	Site	General Comments
114	4111 - S.Maple, Ha	ard Mast As	ssociation Pole	etimbe	r Medium	า 3.6 91	51-80	N/A		Low quality and poorly-stocked hardwood stand. No sale records were found but evidence of a partial harvest is noticeable on the 98DOQ
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	imagery and the stand looks 2-aged in many places as a younger
	Ironwood	21	Pole/Sapling	5	37	Ironwood	Full	>20 feet	Sapling	component of ironwood is prominent throughout the stand. It's likely that
	Bigtooth Aspen	4	Pole/Log	8		Black Cherry	Low	Variable	Sapling	the harvest took place at the same time as the aspen clearcut to the
	Quaking Aspen	1	Pole	7						east. Most of the residual hardwoods are small diameter and short in height, only the oak and basswood show decent quality. White ash used
	Basswood	14	Log/Pole	11						to be common at the south end of the stand but is now all dead from
	Sugar Maple	50	Pole	7	91					EAB. Average ba/acre from 5 plots = 60 square feet.
	Red Oak	10	Log/XLog	15						
115	3105 - Mixed Up	pland Herba	aceous	Nonsto	ocked	0.3 L	Inspecified	No		Small grassy area between Sparr and Tin Shanty Roads.
					Γ	Sub-Canopy Species	Density	Avg. Height	Size	
						White Pine	Medium		Sapling	
						White Pine	Low		Pole	
						Mixed Grasses	Full		Non-Wood	
						White Spruce	Low		Pole	
116	6119 - Mixed Lowla					2.2 40	51-80	N/A		This stand was cut at the same time as stand 15 to the west but regenerated to mainly birch and BAM. Previously it was a cedar stand b
	Canopy Species	% Cover	Size Class		l Age	Sub-Canopy Species	Density	Avg. Height	Size	no cedar regeneration was currently observed. Trace of elm and black
	Red Maple	2	Sapling/Pole	4		White Spruce	Trace	Variable	Sapling	spruce saplings in the canopy. Trace of quaking aspen poletimber. A ve
	White Spruce	2	Sapling	3		Balsam Fir	Low	5 - 10 feet	Sapling	wet stand.
	Paper Birch	40	Sapling/Pole	4	40	Tag Alder	Medium	10 - 20 feet	Tall Shrub	
		43	Caping/1 cic		40	Tay Aluel	Medium	10 - 20 1661		
	Balsam Poplar	43 39	Pole/Sapling	5	40	Tag Alder	Medidin	10 - 20 1661		
					-10	Tag Alder	Wedium	10-201661		
	Balsam Poplar	39	Pole/Sapling	5	40	Tag Alder	Medidin	10-20 leet		
117	Balsam Poplar Balsam Fir White Ash	39 13	Pole/Sapling Sapling/Pole Pole/Sapling	5 4			Inspecified	No	Tail Stilub	The Black River flows through the length of this stand. A lot of dead
117	Balsam Poplar Balsam Fir White Ash	39 13 1	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5			Inspecified	No	Size	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Only
117	Balsam Poplar Balsam Fir White Ash	39 13 1	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5		16.4 L	Inspecified			The Black River flows through the length of this stand. A lot of dead
117	Balsam Poplar Balsam Fir White Ash 6220 - A	39 13 1	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5	ocked	16.4 L Sub-Canopy Species	Inspecified Density	No Avg. Height	Size	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Only looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the
	Balsam Poplar Balsam Fir White Ash 6220 - A	39 13 1 Ider/willow	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5 Nonsto	ocked	16.4 L Sub-Canopy Species Tag Alder	Inspecified Density Medium	No <b>Avg. Height</b> Variable	Size	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Only looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar
	Balsam Poplar Balsam Fir White Ash 6220 - A 6123 - L	39 13 1 Ider/willow	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5 Nonsto	ocked	16.4 L Sub-Canopy Species Tag Alder 1.8 35	Inspecified Density Medium 81-110	No Avg. Height Variable N/A	Size Tall Shrub	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Onl looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average
	Balsam Poplar Balsam Fir White Ash 6220 - A 6123 - L Canopy Species	39 13 1 Ider/willow	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5 Nonsto	ocked	16.4 L Sub-Canopy Species Tag Alder 1.8 35 Sub-Canopy Species	Inspecified Density Medium 81-110 Density	No Avg. Height Variable N/A Avg. Height	Size Tall Shrub Size	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Onl looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average ba/acre from 4 plots = 98 square feet. The far south end is an upland
	Balsam Poplar Balsam Fir White Ash 6220 - A 6123 - L Canopy Species Paper Birch	39 13 1 Ider/willow	Pole/Sapling Sapling/Pole Pole/Sapling	5 4 5 Nonsto	ocked	16.4 L Sub-Canopy Species Tag Alder 1.8 35 Sub-Canopy Species Balsam Fir	Inspecified Density Medium 81-110 Density High	No Avg. Height Variable N/A Avg. Height Variable	Size Tall Shrub Size Sapling	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Onl looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average
	Balsam Poplar Balsam Fir White Ash 6220 - A 6220 - A 6123 - L 6123 - L 6123 - L Black Spruce	39       13       1       Ider/willow         owland Fir       % Cover       8       7	Pole/Sapling Sapling/Pole Pole/Sapling Size Class Pole/Sapling Pole/Sapling	5 4 5 Nonsto Bapling 5 5 5	ocked	16.4 L Sub-Canopy Species Tag Alder 1.8 35 Sub-Canopy Species Balsam Fir Tag Alder	Inspecified Density Medium 81-110 Density High Medium	No Avg. Height Variable N/A Avg. Height Variable >20 feet	Size Tall Shrub Size Sapling Tall Shrub	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Onl looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average ba/acre from 4 plots = 98 square feet. The far south end is an upland
	Balsam Poplar Balsam Fir White Ash 6220 - A 6220 - A 6123 - L 6123 - L 6123 - L 6123 - L Black Spruce Balsam Poplar	39       13       1       Ider/willow         owland Fir       % Cover       8       7       3	Pole/Sapling Sapling/Pole Pole/Sapling Size Class Pole/Sapling Pole/Sapling Pole/Log	5 4 5 Nonsto Sapling 5 5 8	ocked	16.4 L Sub-Canopy Species Tag Alder 1.8 35 Sub-Canopy Species Balsam Fir Tag Alder	Inspecified Density Medium 81-110 Density High Medium	No Avg. Height Variable N/A Avg. Height Variable >20 feet	Size Tall Shrub Size Sapling Tall Shrub	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Onl looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average ba/acre from 4 plots = 98 square feet. The far south end is an upland
	Balsam Poplar Balsam Fir White Ash 6220 - A 6220 - A 6123 - L 6123 - L 612	39       13       1       Ider/willow       owland Fir       % Cover       8       7       3       5	Pole/Sapling Sapling/Pole Pole/Sapling Size Class Pole/Sapling Pole/Sapling Pole/Log Pole	5 4 5 Nonsto <b>DBH</b> 5 5 8 8 7	g Well	16.4 L Sub-Canopy Species Tag Alder 1.8 35 Sub-Canopy Species Balsam Fir Tag Alder	Inspecified Density Medium 81-110 Density High Medium	No Avg. Height Variable N/A Avg. Height Variable >20 feet	Size Tall Shrub Size Sapling Tall Shrub	The Black River flows through the length of this stand. A lot of dead cedar. A few areas with young conifer regeneration in the west half. Only looked at this stand from a few spots along the edges. Small lowland conifer stand that doesn't appear to have been cut in the past, rather it looks like it regenerated naturally as a result of cedar windthrow. It's likely that the cedar blew over after adjacent stand 47 to the east was clearcut. Close to being a poletimber stand. Average ba/acre from 4 plots = 98 square feet. The far south end is an upland