

## **Compartment Review Presentation**

**Pigeon River Country Forest Management Unit** 

Compartment 53010 Entry Year 2025 Acreage: 1,788

County Cheboygan

Management Area: Wolverine Moraines

Stand Examiner: Greg Rekowski

**Legal Description:** 

T33N R01W Sec. 3, 10, 11, 14 and 15

#### **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:

Flat to gently rolling terrain. Uplands are predominantly sandy soil types with Cheboygan loamy sands being the most common, followed by lesser amounts of Riggsville loamy sands, Emmet sandy loams, and Kalkaska sands. Lowlands are characterized by a variety of different muck soil types.

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

Solid State ownership throughout the Compartment as well as throughout the surrounding area.

#### **Unique Natural Features:**

Multiple red-shouldered hawk nests have previously been identified in this Compartment. A great blue heron rookery was previously documented in this Compartment as well, but was not found during field inventory. Wood turtles are known to occur in this Compartment.

### Archeological, Historical, and Cultural Features:

None have been formally identified. Foundation remnants of an old logging camp, known as Camp 9, can be found in Section 15. An old railroad grade passes through Sections 11 and 14.

#### **Special Management Designations or Considerations:**

None at this time, with the exception of cold water stream designations, which are described in the Fisheries section below.

#### Watershed and Fisheries Considerations:

West McMasters Creek, which originates in Section 15, has been designated as a cold water stream and flows east to feed McMasters Creek, which is also a cold water stream and tributary to the Black River. Additional small creeks and drainages are present throughout the Compartment.

#### Wildlife Habitat Considerations:

Management in this Compartment will provide early successional habitat for deer, woodcock, grouse and beaver and late successional habitat for black throated blue warbler and pileated woodpecker. Openings will be maintained or restored to provide habitat for elk and other species.

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

No known potential exists for commercial metallic mineral production in this part of the State. All existing mineral activity is well outside the Compartment. Potential for sand & gravel exists in the Compartment, but commercial development is not allowed per the PRC Oil and Gas Policy, as further defined in the PRC Concept of Management. The Antrim Shale is thinning to the north and may have limited potential for gas production. The Silurian reef trend lies just to the southeast. Historically, a few wells drilled around the compartment did test for Silurian reefs but were all dry holes. There is low probability of reef reservoirs occurring beneath the Compartment, but without access to industry seismic data, the potential can't be ruled out. State land in the Compartment and surrounding area cannot be utilized for drilling operations, so oil & gas development opportunities are limited. Any decisions on future mineral exploration and development within the compartment shall be consistent with the Oil and Gas Policy and Concept of Management for the Pigeon River Country. The State does not own all the mineral rights within the Compartment.

#### **Vehicle Access:**

There is good access to most, if not all, of the Compartment via county and State forest roads. Closed roads, either gated or bermed, are present throughout the Compartment and provide access for forestry and wildlife purposes.

### **Survey Needs:**

None required.

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

The Shore To Shore Equestrian Trail and Midland To Mackinaw Hiking Trail runs up along the west side of the Compartment, following Roads 17 and 32, and Clearing Road.

#### **Fire Protection:**

Access is good in case of any suppression efforts, though the area is generally at low risk to any wildfire potential.

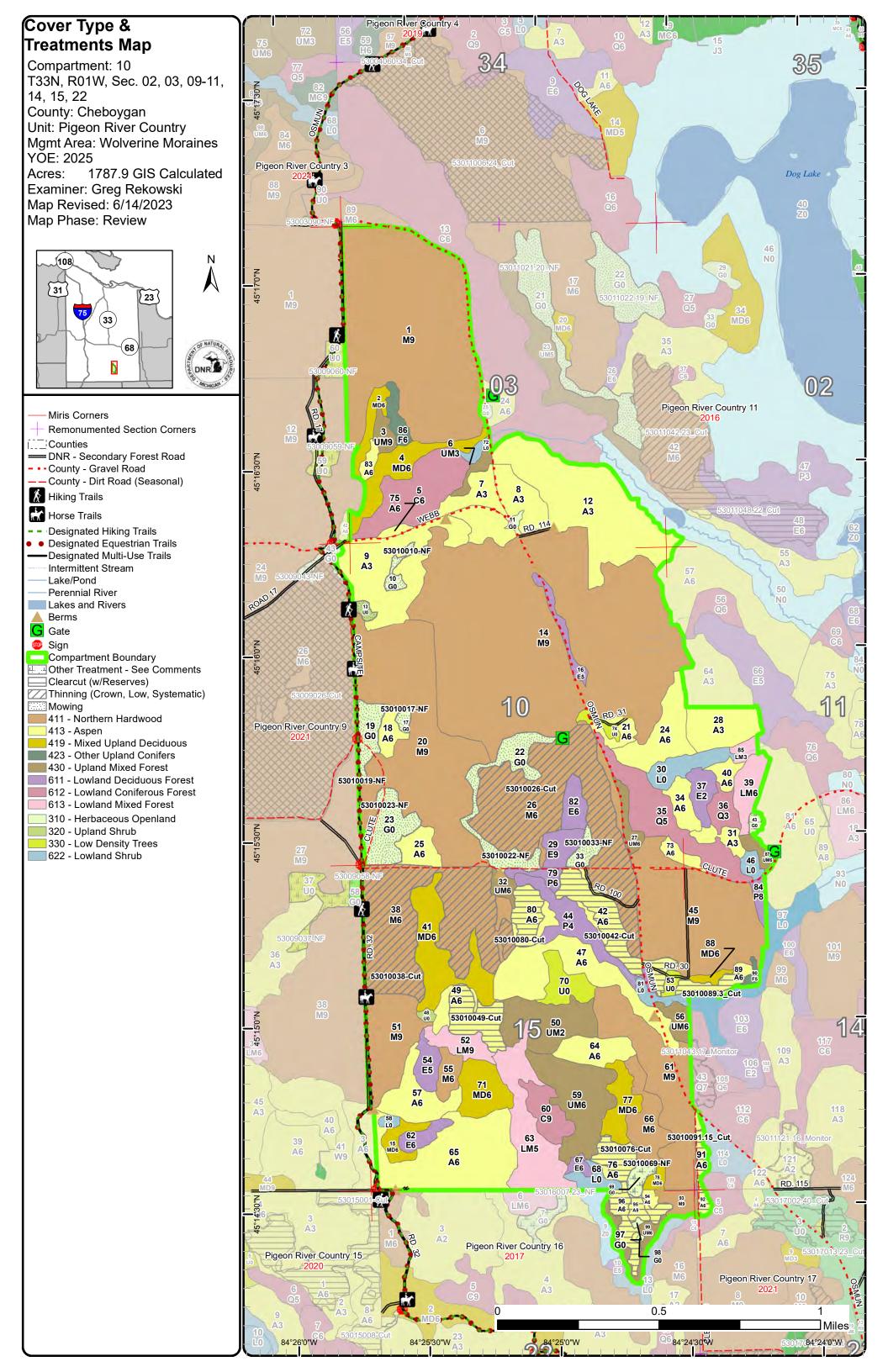
#### **Additional Compartment Information:**

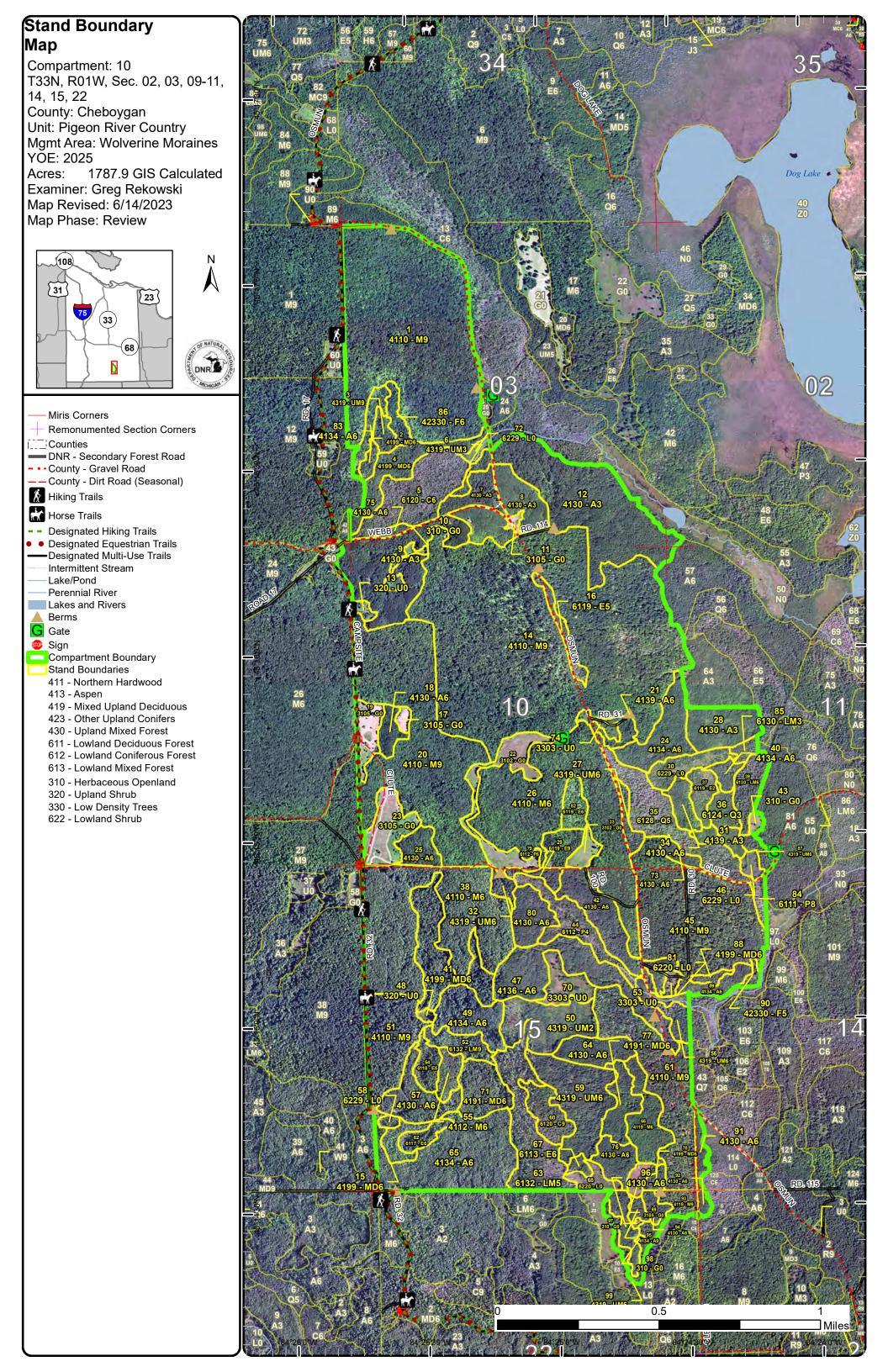
### The following reports from the Inventory are attached:

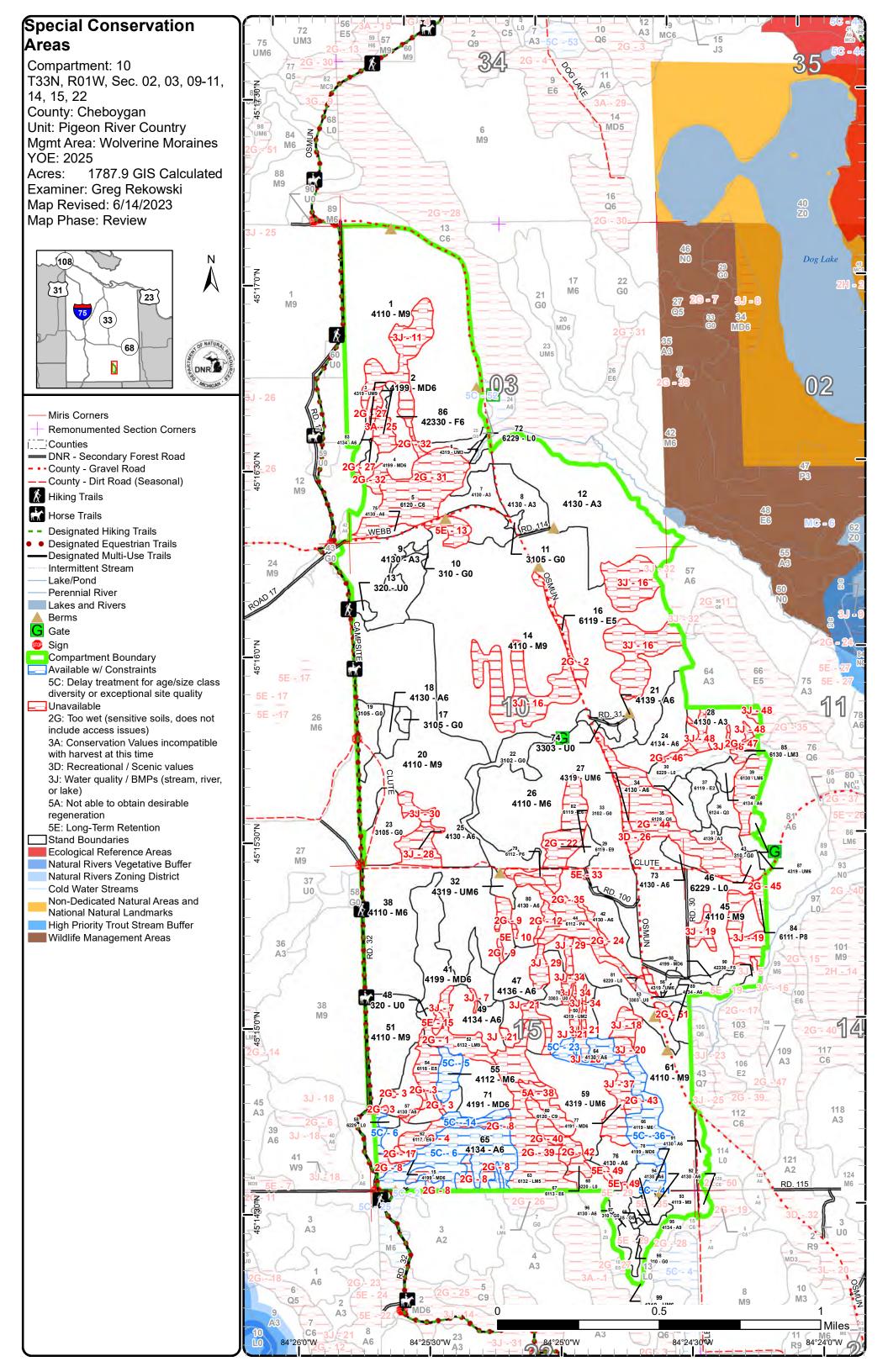
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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

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







Pigeon River Country Mgt. Unit

Compartment 10

Year of Entry 2025



Greg Rekowski : Examiner

### Age Class

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	, soci	Kor C		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	S S			3/8		Ry &	a a	No.	7a, 7a,	Ø / W			9 × ×	St. Steel	No. of the second secon
Aspen	0	118	23	23	86	170	0	0	2	0	0	0	0	0	0	0	0	0	422
Cedar	0	0	0	0	0	0	0	0	0	0	0	30	0	11	0	0	0	0	41
Herbaceous Openland	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Low-Density Trees	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Aspen/Balsam Poplar	0	0	0	0	0	4	0	0	21	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	6	0	0	0	0	29	0	0	0	0	0	0	0	0	35
Lowland Deciduous	0	0	0	7	0	0	2	0	21	5	0	5	0	0	0	0	0	0	40
Lowland Mixed Forest	0	0	0	0	3	0	0	42	0	9	0	0	0	0	0	0	0	0	53
Lowland Shrub	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Mixed Upland Deciduous	0	0	0	0	32	50	0	0	6	0	0	0	0	0	0	0	0	0	88
Northern Hardwood	0	0	0	0	0	16	0	0	6	0	0	862	0	0	0	0	0	0	884
Upland Mixed Forest	0	0	0	24	31	11	0	5	5	4	4	4	0	0	0	0	0	0	88
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Spruce/Fir	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	105	118	23	54	158	258	2	47	61	47	4	901	0	11	0	0	0	0	1788



## **Report 2 – Treatment Summary**

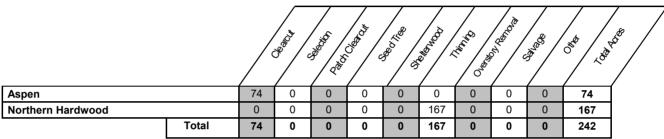
Pigeon River Country Mgt. Unit Year of Entry: 2025

#### **Acres of Harvest**

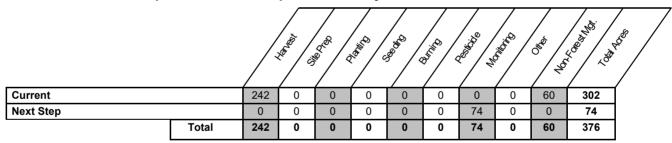
Compartment 10
Total Compartment Acres: 1,788

Commercial Harvest - 242 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

### **Cover Type by Harvest Method**



### **Proposed and Next Step Treatments by Method**



Pigeon River Country Mgt. Unit Report 3 -- Treatments Compartment: 10 S Year of Entry: 2025 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d **Proposed Treatments:** 53010010-NF 3.4 310 - Herbaceous Nonstocked Unspec NonForestMgt Mowing 310 -No Herbaceous Openland ified Openland Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition

53010013-NF

Proposed Start Date: 10/1 /2024

1.9 320 - Upland Shrub Nonstocked

Unspec NonForestMgt ified

Mowing

320 - Upland Shrub

No

No

<u>Prescription</u> Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs:

Next Step

13

Treatments:

Acceptable

Regen:

**Other** Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53010017-NF 3105 - Mixed Nonstocked Unspec NonForestMgt 310 -1.8 Mowing **Upland Herbaceous** Herbaceous ified Openland

Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means. Specs:

Next Step

Treatments:

**Acceptable** 

Regen:

Other

Comment:

Site Condition

S t	Pigeon Rive	er Country	y Mgt. Unit		Repo	rt 3 '	Treatments		Compartme Year of Entr		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19	53010019-NF	9.1 l	3105 - Mixed Jpland Herbaceous	Nonstock	ed	Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
Preso Spec		n the non-	forested condition	of this stan	d either	through b	ourning, planting,	herbicide, or med	chanical means.		
	<u>Step</u> tments:										
Acce Rege	ptable en:										
Othe											
	Condition										
Prop	osed Start Date:	10/1 /20	)24								
22	53010022-NF	18.6	3102 - Grass	Nonstock	ed	Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
Spec		n the non-	forested condition of	of this stan	d either	through b	ourning, herbicide	e, or mechanical r	means.		
	tments:										
Acce Rege	<u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Site (	<u>Condition</u>										
Propo	osed Start Date:	10/1 /20	)24								
23	53010023-NF	15.9 l	3105 - Mixed Jpland Herbaceous	Nonstock	ed	Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
Preso Spec		n the non-	forested condition	of this stan	d either	through b	ourning, planting,	herbicide, or med	chanical means.		
	Step tments:										
Acce Rege	<u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Site (	<u>Condition</u>										
Prop	osed Start Date:	10/1 /20	024								

S t	Pigeon Riv	er Country	Mgt. Unit		Repoi	rt 3 <sup>-</sup>	Treatments		Compartmen Year of Entr		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33	53010033-NF	4.2	3102 - Grass	Nonstocke	ed	Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
Pres Spe		ain the non-f	orested condition	of this stand	d either	through b	ourning, planting,	herbicide, or mech	nanical means.		
	t Step atments:										
Acce Reg	eptable en:										
Othe Com	e <u>r</u> nment:										
	Condition										
Prop	osed Start Dat	<u>e:</u> 10/1 /202	24								
38	53010038-Cu	t 81.1 41	I10 - Sugar Maple Association	Poletimbe Well	r 100	111- 140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Age	d No
Pres Spe	cs: Mainta beech	ain large diar except leav	meter, older trees	(20"+ DBH) es or any la	. Mainta irge dia	ain curren meter wild	it ratio of sugar m dlife trees. Do no	rees under 12" DB aple and basswoo t mark any rare spe litions layer).	d. No canopy ga	ps at this tim	e. Cut all
	Step_ atments:										
Acce Reg	eptable en:										
Othe Com	<u>er</u> Add b nment:	ark slip spec	c. Add recreation to	ail specs a	s the SI	hore to Sh	nore trail follows I	Road 32.			
Site	Condition										
	osed Start Date	<u>e:</u> 10/1 /202	24								
Prop							Harvest	Clearcut with			

diameter stems to aid in identification when harvesting. Do not cut rare species in the stand such as paper birch, red pine, and white pine. Mark scattered groups of trees (3-5) as "push-over" trees for drumming logs and brush piles.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable Full-stocked stand of aspen with any additional mix of species being acceptable.

Regen:

Expect the west edge of the treatment boundary to shift significantly due to wet ground, potentially in excess of the 25% guidelines. The treatment boundary on this side has been approximated to exclude wet areas but will not be exactly the same as on-the-ground conditions. **Other** Comment:

Site Condition

s t	Pigeon Riv	er Countr	y Mgt. Unit		Repoi	rt 3 <sup>-</sup>	Treatments		Compartmen Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
43	53010043-NF	1.6	310 - Herbaceous Openland	Nonstocke	ed	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
Pres Spec		ain the non-	-forested condition	of this stan	d either	through b	ourning, planting,	herbicide, or mech	nanical means.		
	Step tments:										
Rege											
Othe Com	<u>r</u> ment:										
	Condition	- 40/4 /00	004								
	osed Start Dat										
49	53010049-Cu	t 14.2	4134 - Aspen, Spruce/Fir	Poletimbe Well	er 43	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	l No
Spec	cedar leave Two w based	white pine trees for dr et drainage	ention. Do not cut a , white spruce, and umming logs and c es have been exclu- ground conditions. I yer).	elm. Also o oarse wood ded from th	do not c dy debris e treatn	ut any bla s, larger d nent boun	ick cherry over 5 liameter maple a idary (see site co	" DBH. Mark scatte nd fir would be pre onditions layer), exp	ered clumps of tree ferred. Dect these bound	ees to serve a	s cut and
			ral Regen (Re-Inver	ntory)							
Acce Rege		stocked sta	nd dominated by as	spen with a	ny addit	ional mix	of species being	acceptable.			
Othe Com			e from the old close ld logging camp an					enter the stand fron	n the U type on t	he west side.	The U typ
Site (	<u>Condition</u>										
Prop	osed Start Dat	e: 10/1 /20	)24								
69	53010069-NF		3105 - Mixed Jpland Herbaceous	Nonstocke	ed	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
Prese Spec		ain the non-	-forested condition	of this stan	d either	through b	ourning, planting,	herbicide, or mech	nanical means.		
	Step tments:										
Acce Rege	e <u>ptable</u> en:										
Othe Com	<u>r</u> ment:										

Site Condition

S t

n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut
76	53010076-Cut	8.0	4130 - Aspen	Poletimbe	er 48	141-	Harvest	Clearcut with	413 - Aspen	Even-Aged	No

8.0 4130 - Aspen 48 170 Harvest Clearcut with Retention

Specs:

Prescription Clearcut. Add area retention along the swamp edge in a feathered fashion (already excluded in the site conditions layer) and capturing some of the larger spruce. Do not cut any incidental white pine. Mark scattered groups of trees (3-5) as "push-over" trees for drumming logs and

brush piles.

Monitoring, Natural Regen (Intermediate) Next Step

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable. Regen:

Other Comment:

Well

Winter cut only due to wood turtle observations in this area. It is likely that the northern treatment edge can be pushed further north. Stop the treatment when wet ground appears and composition shifts towards more birch/maple/hemlock.

Site Condition

Proposed Start Date: 10/1 /2024

53010080-Cut

9.2 4130 - Aspen

Poletimber 43 81-110 Harvest

Clearcut with 413 - Aspen Retention

Even-Aged

Even-Aged

No

No

Specs:

Prescription Clearcut with retention. Do not cut elm of any size, and do not cut white ash or black cherry greater than 5" DBH. Mark cut and leave trees for drumming logs. Exclude wet areas along the east and north edge, use red-osier dogwood as an indicator of soils that are too wet. The treatment boundary exclusion has already been made in MiFI but expect it to change. Exclude a small area of pure hardwoods along the west edge as retention (desired area is in site conditions layer). A small drainage may also be present in the interior of the north half, draining to the east/northeast. Exclude this as well if present.

Next Step

Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Regen:

<u>Other</u> Winter only cut due to wet ground.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53010089.3 C 5.3 4134 - Aspen. 89

> Spruce/Fir ut

Specs:

Prescription Clearcut with retention. Do not cut cedar, hemlock, or birch, which are only present in trace amounts. Leave a small strip of retention on the southeast side in an area dominated by fir to serve as a stream buffer (area has already been excluded). Exclude the large diameter white spruce on the west edge of the stand next to the U type. Mark cut and leave trees for drumming logs.

Harvest

Clearcut with

Retention

413 - Aspen

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Poletimber

Well

48

111-

140

Regen:

Other Comment:

Exclude areas of young hardwoods along the north edge of the treatment, expect this boundary to change. The far eastern end of the stand is a wet drainage/vernal pool area that has been excluded from the treatment boundary, do not extend the treatment into this area.

Site Condition

Pigeon	River	Country	Mgt.	Unit
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Report 3 -- Treatments

Compartment: 10	
Year of Entry: 2025	

n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut
91	53010091.15	34	4130 - Aspen	Poletimbe	er 46	111-	Harvest	Clearcut	413 - Aspen	Even-Aged	No

140

Specs:

Cut

S

Prescription Clearcut with no area retention due to the small size of the stand. Leave incidental cedar (of any size) and any black cherry greater than 5" DBH. Exclude all wet areas so expect the east boundary to shift somewhat. Exclude the area of pure hardwoods to the north (already excluded from treatment boundary). Mark scattered trees as "push-over" trees for future drumming logs.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species acceptable.

Well

Regen:

Other Treat with adjacent aspen stand to the west in Compartments 10, 16, and 17.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53010092.16 1.7 4130 - Aspen Poletimber 111-Harvest Clearcut 413 - Aspen Even-Aged No Well 140 Cut

Specs:

Prescription Clearcut with no area retention due to the small size of the stand. Leave incidental cedar (of any size) and any black cherry greater than 5" DBH. Exclude all wet areas so expect the east boundary to shift somewhat. Exclude the small aera of blowdown and beaver activity along the south edge. Mark scattered trees as "push-over" trees for future drumming logs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Regen:

**Other** Treat together with stand 113 to the north in Comp 11, and with adjacent aspen stands to the west in Comps 10 and 16.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53010094.17 4130 - Aspen Poletimber Clearcut with 41 81-110 Harvest 413 - Aspen Nο 94 2 1 Even-Aged Well Retention Cut

Specs:

Prescription Clearcut all species except for any cherry over 5 inches DBH. Exclude the northern part of the stand which is nearly pure sugar maple regeneration (area has been approximated in site conditions layer). This area can serve as retention for this treatment along with the 2 adjoining treatments to the west. Mark scattered trees as "push-over" trees for future drumming logs.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Regen:

Other Comment:

Site Condition

Compartment: 10

Year of Entry: 2025

S

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
95	53010095.19	2.4	4134 - Aspen.	Sawtimbe	r 78	111-	Harvest	Clearcut	413 - Aspen	Even-Aged	No

140

Specs:

Cut

Prescription Clearcut with no area retention due to the small size of the stand. Do not cut incidental basswood or any cherry over 5" DBH. Mark to leave 4 5 scattered clumps of mature maple and birch throughout the stand, include some spruce if present. Mark to leave senescing aspen with lots of rot which will serve as future snags and drumming logs when they fall over. Protect the larger serviceberry if possible.

Monitoring, Natural Regen (Intermediate) Next Step

Spruce/Fir

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Well

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53010096.18 7.0 4130 - Aspen Poletimber 111-Harvest Clearcut with 413 - Aspen Even-Aged No Well 140 Retention Cut

Specs:

Prescription Clearcut. Exclude the small sliver of wet ground at the north end and also exclude the small inclusion of mature hardwoods along the southeast edge near stand 93 (both areas are already in the site conditions layer as retention). If present, leave any incidental white spruce or white pine over 10" DBH. Mark scattered groups of trees (3-5) as "push-over" trees for drumming logs and brush piles. Try to protect hazelnut patches and some of the larger serviceberry.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Fully-stocked stand dominated by aspen with any additional mix of species being acceptable.

Regen:

Other Winter only harvest due to wood turtle sightings in this area.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

#### **Approved Treatments:**

4110 - Sugar 26 53010026-Cut 86.1 4110 - Sugar Maple Poletimber 105 81-110 Harvest Crown Thinning Even-Aged No Association Well Maple Association

Prescription Thin the stand using sound hardwood marking principles. By using "best tree in place" method identify crop trees and open them up by cut Specs: two nearest competitors. Thin stand down to 80-100 sq. ft. while maintaining species diversity throughout the stand.

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Comment:

EAB occurs throughout the stand, therefore all White Ash should be removed from the stand. Old next step comments: Due to lack of desireable species in either seed, seedling or sapling form there will not be an emphasis on regeneration at this stage of hardwood development. This stand should be allowed to mature further before regenertion is a concern.

Site Condition

Proposed Start Date: 10/1 /2015

**Total Treatment** 301.8 Acreage Proposed:

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

Compartment: 10 Year of Entry: 2025

Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres	Do	omina	nt Site	Cond	ditions	S		
Acres	Available	With Condition	Not Available		5C	2G	3A	3D	3J	5A	5E
422	320	45	57	Aspen	45	20			27		10
41	0	0	41	Cedar		35				7	
61	61	0	0	Herbaceous Openland							
16	13	0	2	Low-Density Trees					2		
25	0	0	25	Lowland Aspen/Balsam Poplar		25					
36	6	0	29	Lowland Conifers		29					
41	7	0	34	Lowland Deciduous		34					
53	0	0	53	Lowland Mixed Forest		53					
26	26	0	0	Lowland Shrub							
76	68	2	6	Mixed Upland Deciduous	2	6					
884	757	22	105	Northern Hardwood	22	3			102		
88	68	0	20	Upland Mixed Forest		4	4	5	7		
3	3	0	0	Upland Shrub							
7	7	0	0	Upland Spruce/Fir							
1,777	1,335	70	372	Total Forested Acres	70	208	4	5	138	7	10
	75%	4%	21%	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	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet areas and dra	inages in stand 57.					
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Manage this part o	f stand 65 with stand 39 to the v	vest.				
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainages in sentry.	tand 49. The drainage to the we	est is esp	ecially wet and has quite	a few lowland hardwoods.	This can probably be typed	d as a new stand next

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Vernal pools and d	rainages in stand 65 that should	be prote	ected from any harvesting	J.		
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Seasonally wet are	as that should be excluded from	the har	est in stand 38.			
10	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Vernal pool, draina	ge, wet ground complex. Heavy	yellow b	irch component throughc	out this area. Do not manage		
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
13	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This area was desi	gnated for retention when stand	s 7 and 9	were recently harvested	<b>i</b> .		

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
	comments: lanage this part o	f stand 65 with stands 57 and 7	1 to the no	orth.			
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	60	Unspecified	Unspecified	Unspecified	Unspecified
	comments: seasonally wet are	as, vernal pools, and drainages	in stand	14 that should be exclud	ed from any future manage	ement activities.	
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
	comments: Vet drainage.						
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	comments: seasonally wet gro	und and drainages that should l	oe exclud	ed from harvesting the n	ext time this stand is thinn	ed.	
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
S		eas, vernal pools, and drainages ep slopes bordering the lowland		ıld be excluded from any	/ future management activi	ties. The far southeast part	t of the site condition

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainages to t	he west and seasonally wet gro	und that	should be excluded from	any harvesting activity.		
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainages tha	t should be excluded from any h	arvestin	g activity in the future.			
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Manage together v	vith adjacent stand 59 when that	stand is	ready to harvest.			
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Ä	Comments: Approximate area area will serve as r	of wet ground that should be exected the control of	cluded fr	om the harvest in stand 4	12. Expect this area to shift o	once the boundary is ran o	on the ground. This
25	Unavailable	3A: Conservation Values incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Unique mix of ceda	ar and hardwoods, also with son	ne hemlo	ock. Do not manage.			

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

26	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small stand that sh	ould be left unmanaged for visi	ıal purpo	ses.			
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet areas and dra	inages in stand 2, there are like	ly more v	vet areas throughout the	stand.		
28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Multiple drainages	and vernal pools are present in	the stan	d. Do not manage.			
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainages that	should be excluded from any f	uture har	vest activity. There are so	ome additional wet areas in	the stand that should be e	excluded when found.
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Seasonally wet are	as and drainages in stand 14 th	at should	d be excluded from any fu	uture management activitie	s.	
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Very wet area, with	standing water in places, that d	rains into	o the adjacent cedar star	nd to the east.		
33	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for the h	arvest in stand 42.					
34	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wet drainages that	should be excluded from any m	ıanagem	ent activities.			
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
37	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
F		ography throughout suggests a l r. Opportunities may exist to har					

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

38	Unavailable	5A: Not able to obtain desirable regeneration	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is the rough a	pproximation of stand 60 that ap	pears o	operable. However, cedar ı	regeneration is not possible	e due to current browse leve	els.
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Let the aspen die c	out and manage for the young ha	ardwood	d component.			
42	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wetland pocket.						

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
46	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
	comments: area of very wet gro	ound adjacent to a L type. This	is just a r	ough approximation and	may not reflect exact cond	itions on the ground.	
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
48	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Vet drainages that	should be excluded from any f	uture harv	vests.			
49	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	<b>comments:</b> Desired retention a	reas for the harvest in stand 76	i.				

Pigeon River Country Mgt. Unit

Greg Rekowski : Examiner

Compartment: 10 Year of Entry: 2025

51	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

6/14/2023 12:12:41 PM - Page 10 of 10 TONELLOM1

Mgt. Unit

Compartment: #Type! Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Mgt. Unit Compartment:
Year of Entry

## 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.

Conservation Type Description
Area

ERA = Ecological Reference Area

HCVA = High Conservation Value Area

SCA = Special Conservation Area

4110 - Sugar Maple Association

#### Report 7 - Stands

81-110

Compartment: 10 Year of Entry: 2025



	evel 4 Cover Type	Size Density	Acres	Stand Age BA Range	Managed Site	General Comments
--	-------------------	--------------	-------	--------------------	--------------	------------------

105

1				
Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole/Log	9	
Paper Birch	1	Log/Pole	11	
Ironwood	1	Pole	5	
Hemlock	3	Log/XLog	15	
Basswood	34	Log/XLog/Pole	9 14	
Red Maple	4	Log/Pole/XLog	12	
Sugar Maple	47	Log/Pole/XLog	12	105
Beech	5	Log/Pole/XLog	13	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Low	5 - 10 feet	Sapling
Beech	High	Variable	Sapling
Ironwood	High	Variable	Sapling

N/A

N/A

Very high quality northern hardwood stand with areas of the stand that are likely uneven-aged with some very large and old trees present. Stand was thinned in 1996-97 in the sale Horse Trail Hardwood (#53-006-95, AJD). The thinning was heaviest in the central and western parts of the stands, with BAs in these areas still quite low (<100 sq ft) and the quality and size of trees also lower. There was also a lot of ash in this area, all of which are now dead and fallen over. The east and southeast parts of the stand appear to have been only lightly thinned, if at all, and this is where the highest quality parts of the stand are located, along with the largest and oldest trees. Many parts of this area are exceptional quality and will likely qualify as an ERA, if not also old growth. A wet drainage system is present in the middle of the stand and extends south to the "horseshoe" shaped part of the stand, with wet ground on both sides of the horseshoe (see site conditions layer). Yellow birch is frequent throughout these wet areas, and is the dominant overstory tree in some locations. While beech is not common in the stand, most have BBD. The red maple component is most numerous at the northern end. Trace of elm in the overstory. Average ba/acre from 27 plots = 109 square feet. The middle part of the stand sits on somewhat of a plateau with slopes going down to the north. east, and south. Steep slopes are present along the east edge adjacent to Osmun Road.

2	4199 - Other Mixed Upland Deciduous	Poletimber Well	6.6	47	81-110	
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Sawtimber Well

151 2

Canopy Species	% Cover	Size Class	DBH	Age	
Balsam Fir	10	Pole/Sapling	6		
Red Maple	12	Pole/Sapling	5		
White Ash	1	Pole	6		ľ
Balsam Poplar	7	Pole/Log	8		
Paper Birch	10	Pole/Sapling	5		ľ
Basswood	3	Log	14		
Yellow Birch	3	Pole/Sapling	5		
Ironwood	3	Sapling/Pole	4		
Quaking Aspen	14	Pole/Log	8	47	_
Sugar Maple	33	Sapling/Pole	4	47	
Northern White Cedar	3	Log/Pole	13		
Hemlock	1	Log/XLog	15		

je	Sub-Canopy Species	Density	Avg. Height	Size
	Ironwood	Low	Variable	Sapling
	Red Maple	Low	>20 feet	Sapling
	Balsam Fir	Low	Variable	Sapling
	Sugar Maple	Medium	>20 feet	Sapling
	White Ash	Low	Variable	Sapling
	Yellow Birch	Trace	>20 feet	Sapling
	Black Ash	Low	Variable	Sapling
	Paper Birch	Trace	>20 feet	Sapling
7				

This stand was clearcut, along with stand 86 to the east, by DNR staff in 1976 for winter deer browse. It regenerated to a wide mix of species. Some excellent pockets of hardwood regeneration, including some vellow birch, scattered throughout. Ground in the stand seems to be about a 50/50 mix of upland and lowland, although it's difficult to tell with the snow on the ground. It's possible this is more of a lowland stand. Some of the lowland areas are very wet, including a drainage system with standing water in the north end of the stand. Pit and mound topography is also present throughout the majority of the stand, suggesting most of it is seasonally wet. Clumps of residual cedar and hemlock are scattered throughout, most are large diameter and healthy. There are a few residual basswood and sugar maple as well. There used to be a lot of ash (black and white) in the stand but almost all have died from EAB. I did find one 6" live black ash at the far northeast edge, the first live merchantable black ash I've found since the EAB invasion, as well as a handful of merchantable white ash that are alive. Trace of elm (pole/sap) and white spruce (pole/log). Average ba/acre from 7 plots = 100 square feet. Exclude wet areas from any future harvesting (hard factor). Do not manage the young hardwoods until mature.

24

1

4400 Other Mixed Heland Desidueus

Pole/Log

Log/Pole/XLog

8

12 | 102

Balsam Poplar

Northern White Cedar

Compartment: 10 Year of Entry: 2025



Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site General Comme	nts
---	-----

04 440

NI/A

3	4319 - Mixed	Upland F	orest	Sawtimb	er Well	4.3	102	141-170	N/A	
	Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Car	nopy Specie	es Density	Avg. Height	Size
	Basswood	12	Log/Pole	13		Sug	ar Maple	Low	>20 feet	Sapling
	Quaking Aspen	1	Log/Pole	14		Е	Beech	Low	Variable	Sapling
	Red Maple	25	Log/Pole/XLo	g 12	102	Re	d Maple	Trace	>20 feet	Sapling
	Sugar Maple	6	Pole/Log	8		Wh	nite Ash	Medium	< 5 feet	Seeding
	Hemlock	4	Log/XLog	15		Bal	lsam Fir	Low	Variable	Sapling
	Yellow Birch	2	Log/Pole	10		Wh	nite Ash	Low	5 - 10 feet	Sapling
	Balsam Fir	1	Pole	7						

400

Mixed species stand with a slight upland ridge that runs north-south through the middle and then drops slightly into lower ground on the east and west edges that appears seasonally wet. Hardwoods are dominant on the higher ridge. The east and west edges are comprised primarily of cedar, although some hardwoods are mixed in. The cedar is healthy and high quality, with a few large diameter trees (>20" DBH). A lot of blowdown is present in the stand, especially the south half, although it looks like the trees fell over a long time ago. Trace of paper birch (log/pole). Average ba/acre from 6 plots = 165 square feet. No management due to the unique species mix and inability to successfully regenerate the stand.

<b>4</b> 4199 - Other Mixe	d Upland L	eciduous P	oletimb	er Wel	II 16.8 34	81-110	N/A	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	12	Pole/Sapling	7		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	28	Pole/Sapling	6	34	Tag Alder	Trace	10 - 20 feet	Tall Shrub
Sugar Maple	9	Sapling/Pole	4		White Ash	Medium	Variable	Sapling
Balsam Fir	13	Pole/Sapling	5		Sugar Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	2	Pole/Sapling	6		Beech	Trace	Variable	Sapling
Yellow Birch	2	Sapling/Pole	4		Black Ash	Low	Variable	Sapling
Black Cherry	2	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	1	Pole/Log	9		Black Cherry	Trace	Variable	Tall Shrub
White Spruce	1	Pole	6		Paper Birch	Trace	>20 feet	Sapling
Paper Birch	5	Pole/Sapling	5		Yellow Birch	Low	>20 feet	Sapling
Red Maple	24	Pole/Sapling	5	34	Ironwood	Trace	Variable	Sapling
White Ash	1	Sapling	4			'		

Diverse, multi-species stand. Clearcut in 1989 by Michael Bruning, all species were cut except for cedar and hemlock. Regeneration came back to a wide mix of species. Aspen is prevalent in scattered clones but in no way is it dominant or uniform throughout the stand. The aspen and balsam poplar seem to be most prevalent in the southwest part of the stand as well as a few scattered clones in the middle part. Varying levels of ground moisture in the stand. In general, the east, narrow half of the stand is much drier. The west half becomes much wetter with pit and mound topography and includes areas of standing water that are drainages going into the adjacent cedar stand. Difficult to tell how wet the stand really is with snow on the ground, it's possible this could be coded as a lowland stand. Some of the wet areas have an excellent component of yellow birch regeneration. Trace of hemlock residual (log/xlog). Average ba/acre from 10 plots = 93 square feet. Diameters are a long way off from making this a merchantable stand. Let grow several more entries and then re-evaluate species percentages and management options. It may make sense to split out the aspen pockets from the remainder of the stand. Protect the young yellow birch component by excluding those areas from any potential harvest. Also, exclude all wet areas, which are likely more numerous than what is shown in the site conditions laver.

5	6120 - Low	lar F	Poletimb	er Wel	I 30.4	108	111-140	N/A		
	Canopy Species	r Size Class	Size Class DBH Age			opy Species	Density	Avg. Height	Size	
	Paper Birch	1	Pole	7		Bla	ck Ash	Trace	< 5 feet	Sapling
	Red Maple	3	Log/Pole	11		Tag	g Alder	Medium	Variable	Tall Shrub
	Balsam Fir	5	Pole	7		Bals	sam Fir	High	Variable	Sapling
	White Spruce	1	Log/Pole/XLog	g 12		Red	d Maple	Trace	Variable	Sapling
Noi	thern White Cedar	89	Pole/Log	9	108	Pap	er Birch	Trace	>20 feet	Sapling
	Hemlock	1	Log/Pole	13						

Cedar swamp of varying quality with drainages entering the stand that flow out to the northeast and eventually form McMaster's Creek to the east across Osmun Road. Cedar decline is prevalent in some places, while in others the cedar is still healthy. Quite a bit of older blowdown in the stand which makes it difficult to get through. A tiny upland island with steep slopes is present in the middle of the stand, comprised of red maple and hemlock. Trace of white pine (log/xlog), quaking aspen (log/pole), yellow birch (pole/sap), and black spruce (pole/sap). Average ba/acre from 5 plots = 126 square feet. No management due to the wet ground and stream influence.

Pigeon River Country Mgt. Unit

Compartment: 10 Year of Entry: 2025



Stand	d Level 4 Cover Type		;	Size De	nsity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments
6	4319 - Mixed	Upland Fo	rest	Sapling	y Well	3.2	41	81-110	N/A		Strip cut along the swamp that was done for winter deer browse. It
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regenerated back to primarily fir with some scattered aspen. The fir is incredibly thick in some areas. Trace of residual hemlock (xlog). Average
	Red Maple	16	Sapling/Pole	4		WI	nite Ash	Trace	Variable	Sapling	ba/acre from 5 plots = 84 square feet. This stand is still several entries
	Quaking Aspen	25	Pole/Sapling	5	41	Ta	ıg Alder	Trace	Variable	Tall Shrub	away from being ready to cut again.
	White Ash	1	Sapling	3		Ва	lsam Fir	Full	Variable	Sapling	
	Balsam Fir	49	Sapling/Pole	4	41						
	Balsam Poplar	2	Pole/Sapling	5							
	Paper Birch	5	Sapling/Pole	4							
	Sugar Maple	2	Sapling/Pole	3							
7	4130	- Aspen		Sapling	y Well	9.5	4 I	mmature	N/A		Stand was clearcut in the summer of 2019. Regeneration has come back
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	well to aspen with the exception of lowland areas along the west edge which are now mostly non-forested with sedge and cattails. No browse
	Quaking Aspen	89	Sapling	1	4	Blad	ck Cherry	Medium	5 - 10 feet	Tall Shrub	impacts noted on the aspen. Some, but not all, of the red maple has
	Black Cherry	1	Pole	7		Re	d Maple	Low	< 5 feet	Seeding	been heavily browsed and kept below 5 feet tall. Thick
	Red Maple	10	Sapling	1		Blackbe	rry/Raspberry	High	< 5 feet	Tall Shrub	blackberry/raspberry component in most of the stand.
						Ca	ttail spp.	Trace	Unspecified	Non-Wood	
8	4130	- Aspen		Sapling	y Well	23.0	16 I	mmature	N/A		This stand was cut in 2007 in the sale Webb Corner Aspen (Schleben
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Forest Products, #53-011-05). Regeneration came back very well and the stand is fully-stocked. From imagery, it looks like the southwest corner of
	Sugar Maple	7	Sapling	3		Re	d Maple	Trace	>20 feet	Sapling	the stand is the only area that suffered some browse damage.
	Paper Birch	2	Sapling	3		Ва	lsam Fir	Trace	Variable	Sapling	Regeneration is thick throughout most of the stand with a good hardwood
	Quaking Aspen	64	Sapling/Pole	3	16	Ва	sswood	Trace	5 - 10 feet	Sapling	component. In general, ash seems to be more abundant east of Osmun Road, while the sugar maple component is heavier west of the road.
	Black Cherry	5	Sapling	3		E	Beech	Trace	Variable	Sapling	Most of the paper birch regen is directly adjacent to the roads. Some of
	White Ash	10	Sapling/Pole	3		Blad	ck Cherry	Medium	>20 feet	Tall Shrub	
	Bigtooth Aspen	10	Pole/Sapling	5		Sug	ar Maple	Medium	Variable	Sapling	of balsam fir and white pine. Trace of invasive honeysuckle.
	Ironwood	2	Sapling	3		Servicebe	erry (Juneberry)	Low	>20 feet	Tall Shrub	
						WI	hite Ash	High	Variable	Sapling	
						Iro	onwood	Low	Variable	Sapling	
9	4130	- Aspen		Sapling	y Well	40.4	4 I	mmature	N/A		This stand was clearcut in the summer of 2019 by Precision.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Regeneration has come back well to aspen but elk browse is severely impacting the bigtooth aspen component. It's difficult to tell how much of
	Bigtooth Aspen	30	Sapling	1	4	Re	d Maple	Trace	< 5 feet	Seeding	the bigtooth is alive at this point. The quaking aspen is being browsed in
	Quaking Aspen	67	Sapling	1	4	E	Beech	Trace	< 5 feet	Seeding	a few areas but not too bad. Most hardwood stump sprouts appear to be
	Black Cherry	2	Pole	7		Blad	ck Cherry	Medium	< 5 feet	Tall Shrub	dead. As expected, browse intensity becomes higher the further you get away from the roads. If browse continues, this will likely be an A2 next
	White Pine	1	XLog	22			onwood	Trace	< 5 feet	Seeding	entry. A large area of retention was excluded at the far east end and
					·	Wild Re	ed Raspberry	Medium	< 5 feet	Tall Shrub	there were a few small pockets of tree excluded around the interior G

Tall Shrub type (stand #10).

< 5 feet

Low

Common Blackberry



Stand	Stand Level 4 Cover Type Size Dens				nsity	Acres S	Stand Age B	A Range	Managed	Site	General Comments
10	310 - Herbace	eous Open	land	Nonsto	cked	3.4	Ur	nspecified	No		Series of small non-forested openings. Cherry is mostly at the southern
						Sub-Cand	py Species	Density	Avg. Height	Size	end. This does not appear to be a managed opening. Most recently used as a landing for the adjacent aspen clearcut.
						Brack	en Fern	High	Unspecified	Non-Wood	as a fairtuing for the adjacent aspen clearedt.
						Quakin	g Aspen	Trace	>20 feet	Pole	
						White	e Pine	Trace	>20 feet	Pole	
						Balsa	am Fir	Trace	>20 feet	Pole	
						Mixed	Grasses	High	Unspecified	Non-Wood	
						Black	Cherry	Medium	>20 feet	Tall Shrub	
						Whit	e Pine	Trace	>20 feet	Log	
						Bigtoot	h Aspen	Trace	>20 feet	Log	
						Bals	am Fir	Trace	Variable	Sapling	
11	11 3105 - Mixed Upland Herbaceous Nor			05 - Mixed Upland Herbaceous Nonstocked			1.3 Unspecified				Old landing that has not regenerated. Lots of knapweed. Raspberry and
									Sub-Cand	py Species	Density
						Spotted I	Knapweed	High	Unspecified	Non-Wood	
						Amur Ho	neysuckle	Trace	< 5 feet	Tall Shrub	
						Brack	en Fern	Low	Unspecified	Non-Wood	
						Blackberry/Raspberry		Medium	< 5 feet	Tall Shrub	
						Mixed	Grasses	High	Unspecified	Non-Wood	
						Black	Cherry	Trace	Variable	Tall Shrub	
12	4130 -	Aspen		Sapling	y Well	67.8	5 li	mmature	N/A		This stand was cut in 2018 by Hincka Logging. Regeneration has come
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	back well to predominantly aspen and is very thick in areas. Browse impacts on the aspen are relatively limited at this time, with the exception
	Ironwood	4	Sapling	1			te Ash	Low	< 5 feet	Seeding	of some localized areas. However, browse is notable on the young
Е	Balsam Poplar	18	Sapling	1		Wild Red	Raspberry	High	< 5 feet	Tall Shrub	hardwoods, which has kept most of them below 5 feet tall. There are
	White Ash	2	Sapling	1		Common	Blackberry	Low	< 5 feet	Tall Shrub	several drainages in the stand that weren't protected from the harvest, regeneration is lacking in most of them. Old leaf-off imagery shows the
C	Quaking Aspen 60 Sapling 1 5		5	Black	Cherry	Low	5 - 10 feet	Tall Shrub	location of these drainages. Trace of basswood, paper birch, and pin		
Е	Bigtooth Aspen	12	Sapling	1	5	Ве	ech	Low	< 5 feet	Seeding	cherry regeneration. Rolling terrain. No snags at all were left in the stand.
			0 "	-			Sugar Maple				Some rutting damage in the drainage areas. A few clumps of invasive
	Sugar Maple	2	Sapling	1		Sugai	r Maple	Low	< 5 feet	Seeding	
	Sugar Maple Red Maple	1	Sapling	1		Sugai	r Maple	Low	< 5 feet	Seeding	honeysuckle were found in the middle part of the stand, northwest of the landing.

## Report 7 - Stands

Compartment: 10 Year of Entry: 2025



				S DNR DNR							
Stand	Level 4 C	over Type	s S	ize Deı	sity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
13	320 - Up	land Shrul	d d	Nonsto	cked	1.9		Unspecified	No		Not a managed opening. A few scattered clumps of invasive honeysuckle
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	throughout the stand.
						Blackbe	rry/Raspberry	Medium	< 5 feet	Tall Shrub	
						Blad	ck Cherry	Medium	>20 feet	Tall Shrub	
						Amur I	Honeysuckle	Low	< 5 feet	Tall Shrub	
						WI	hite Pine	Trace	>20 feet	Log	
						WI	hite Pine	Trace	>20 feet	Pole	
						WI	hite Pine	Trace	Variable	Sapling	
						Brad	cken Fern	Medium	Unspecified	Non-Wood	
						Mixe	d Grasses	High	Unspecified	Non-Wood	
14	4110 - Sugar M	/laple Asso	ociation Sa	awtimbe	r Well	269.1	105	81-110	N/A		Large stand of hardwoods, generally high quality. Thinned in 2009-10 in
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	the sale Osmun Road Hardwood (AJD, #53-017-05). Large amount of volume removed, including 42 cords of yellow birch (why?). Thinned too
	Red Maple	1	Log/Pole	10			onwood	Medium	Variable	Sapling	heavily in many areas. Regeneration is almost exclusively undesirable
	Basswood	28	Log/XLog/Pole	15		W	hite Ash	Low	5 - 10 feet	Sapling	species, I did not notice any regeneration other than beech, ironwood, or
-	Quaking Aspen	1	Log/XLog	16			Beech	High	10 - 20 feet	Sapling	ash. Many areas of low BAs also have a thick component of raspberry. The east half of the stand, east of Osmun Road, has a slightly different
	Beech	8	Log/Pole/XLog	12		Wild Re	ed Raspberry	Medium	< 5 feet	Tall Shrub	character than the west half, with numerous drainages and areas of wet
	Sugar Maple	57	Log/Pole	11	105	W	hite Ash	High	< 5 feet	Seeding	ground, and has scattered hemlock and yellow birch. The west half has a
	Yellow Birch	3	Log/Pole	12					1		few drainages as well but not as many. None of the drainages were excluded from the harvest and some rutting damage was noted. See site
	Hemlock	2	Log/XLog	17							conditions layer and/or leaf off imagery for locations of these water
		'									features. Trace of ironwood (pole), paper birch (log), and elm (log/pole).
											Average ba/acre from 19 plots = 97 square feet. Flat to rolling terrain. It will probably be at least 20 years before this stand is ready for another
											treatment. Protect all wet areas.
15	4199 - Other Mixe	d Upland I	Deciduous Po	letimbe	er Well	5.8	72	81-110	N/A		Small stand of generally low quality hardwoods, with some aspen mixed
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	in. It's possible the aspen is younger and was cut out of the stand when stand 65 to the south was clearcut, leaving all the hardwoods. The
	Red Maple	22	Pole/Log	8		Re	ed Maple	Low	>20 feet	Sapling	northern 1/3rd of the stand is mostly wet. A wet drainage runs east-west
	Balsam Poplar	2	Pole/Log	8		Sug	gar Maple	Low	>20 feet	Sapling	just south of the middle part of the stand. The south edge of the stand
	Basswood	4	Pole/Log	9		Mou	ntain Holly	Low	5 - 10 feet	Tall Shrub	borders wet ground as well. Trace of cedar, elm, and yellow birch in the overstory. Average ba/acre from 5 plots = 90 square feet. Due to the
	Quaking Aspen	31	Pole/Log	8		Ва	ılsam Fir	Low	Variable	Sapling	multiple water features in and around the area, this stand can stay
	Sugar Maple	33	Pole	7	72	BI	ack Ash	Trace	Variable	Sapling	unmanaged and serve as long term retention.
	Paper Birch	1	Pole/Log	8					1		
	Balsam Fir	4	Pole/Sapling	5							
	White Pine	2	Log/Pole	13							
			J								

Hemlock

1

13

Log



Stan	d Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed Site		General Comments
16	6119 - Mixed Lowla	nd Decidu	ous Forest Pole	etimbe	r Mediu	m 5.4	105	51-80	N/A		Long, low drainage along Osmun Road in the middle of a hardwood
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand. The far north end is a small wetland with holly in it. It looks like there used to be a lot of both white and black ash in the stand, but they
	Ironwood	1	Pole	5		Mich	igan Holly	Trace	5 - 10 feet	Tall Shrub	are all dead now from EAB. Some scattered clumps of cedar, mostly in
	Hemlock	2	Log/XLog	15		Bla	ack Ash	Low	10 - 20 feet	Sapling	the south half of the stand. Nice component of yellow birch in some
	Beech	6	Pole/Log	8		Ame	rican Elm	Trace	>20 feet	Sapling	areas. A few small inclusions of upland. Some areas of low BA. Trace of bigtooth aspen. Average ba/acre from 6 plots = 53 square feet. No
No	orthern White Cedar	10	Log/Pole	11		Yell	ow Birch	Trace	>20 feet	Sapling	management due to the wet ground.
	American Elm	1	Pole/Log	8		E	Beech	Medium	Variable	Sapling	
	Yellow Birch	9	Pole/Log	8		Iro	nwood	Low	Variable	Sapling	
	Quaking Aspen	2	Log	12		WI	nite Ash	High	Variable	Sapling	
	Basswood	17	Log/Pole	11	105					•	
	Sugar Maple	40	Pole/Log	8	105						
	Red Maple	12	Log/Pole	10							
17	3105 - Mixed Up	oland Herba	aceous I	Nonst	ocked	1.8	U	nspecified	Managed C	pening	This is a managed opening that is periodically mowed. There are 3
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Siberian crabapples and 1 white pine at the northwest edge of the stand.
							d Grasses	Full	Unspecified	Non-Wood	
18	4130 -	- Aspen	Po	oletimb	er Well	5.6	36	81-110	N/A		Developing aspen stand with a significant hardwood component. This
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand was harvested in 1987 by Michael Bruning in the sale Double 10 (#53-026-85). Aspen diameters tend to vary quite a bit with some areas,
	White Ash	10	Pole/Sapling	5		E	Beech	Trace	Variable	Sapling	more towards the south, that are just over merchantability. There are
	Bigtooth Aspen	56	Pole/Sapling	7	36	WI	nite Ash	Medium	>20 feet	Sapling	some areas, particularly along the west edge, without much aspen and
	Quaking Aspen	10	Pole	7		Servicebe	rry (Juneberry)	Trace	>20 feet	Tall Shrub	dominated by hardwoods. Many of the ash appear to be impacted by EAB and it's difficult to tell how many are alive at this point. Trace of
	Ironwood	10	Sapling	3		Sug	ar Maple	Medium	>20 feet	Sapling	white pine and balsam fir in the overstory. Average ba/acre from 6 plots =
	Sugar Maple	14	Sapling/Pole	4		Iro	onwood	High	>20 feet	Sapling	102 square feet. The stand sits on a gradual west facing slope.
19	3105 - Mixed Up	oland Herba	aceous I	Nonst	ocked	9.1	U	nspecified	Managed C	pening	This is a managed opening that is periodically mowed. A few scattered pine throughout, including a single large scotch pine at the south end.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Clumps of autumn olive and nonnative honeysuckle can be found
						Wh	nite Pine	Trace	>20 feet	Pole	clustered directly around the trees where the mower can't get to. A clump
						Mixe	d Grasses	Full	Unspecified	Non-Wood	of 15 or so hawthorn is in the middle of the stand.
						Hawt	norn (spp.)	Trace	5 - 10 feet	Tall Shrub	
						Sco	tch Pine	Trace	>20 feet	Log	
						Amur H	Honeysuckle	Trace	< 5 feet	Tall Shrub	
						Wh	nite Pine	Trace	>20 feet	Log	
						Blad	ck Cherry	Trace	>20 feet	Tall Shrub	
						Autu	ımn Olive	Trace	5 - 10 feet	Tall Shrub	
											•



Stand	Stand Level 4 Cover Type		8	Size Density		Acres	Stand Age E	A Range	Managed Site		General Comments			
20	4110 - Sugar I	Maple Asso	ciation S	awtimb	er Well	108.3	105	81-110	N/A		Nice hardwood stand with a lot of quality sugar maple. Thinned in 2001-			
	Canopy Species % Cover Size Class		Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	02 in the sale Ninja Fawn Hardwoods (#53-011-95, Michael Bruning). The far north end of the stand had a lot of ash and it looks like some of it was			
	Sugar Maple	59	Log/Pole	11	105	E	Beech	Medium	Variable	Sapling	salvaged at the same time as stand 26 to the west in Comp 9, which took			
	Beech	4	Log/Pole/XLog	12		Iro	onwood	Medium	10 - 20 feet	Sapling	place around 2014. Beech is not prevalent in the stand but most have			
	Basswood	35	Log/Pole/XLog	13		WI	nite Ash	Medium	5 - 10 feet	Sapling	BBD. A few large elm scattered throughout (14"+). Trace of red maple, bigtooth aspen, yellow birch, paper birch, and white pine in the overstory.			
	American Elm	1	Pole/Log	9							Average ba/acre from 26 plots = 101 square feet. Rolling terrain but no			
	Ironwood	1	Pole	6							inoperable slopes. A few areas of wet ground at the southwest end near			
											the G type and A6 (stands 23 and 25). This stand should be ready for a thinning or selection harvest next entry.			
21	4139 - Aspen,	Mixed Dec	iduous P	oletimb	er Wel	4.9	34	51-80	N/A		Highly variable stand. The east side is primarily quaking aspen and BAM, with a good component of paper birch, black cherry, and ash. The south			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	side and most of the west have a higher concentration of fir. The far			
	Balsam Fir	17	Pole/Log	8		Sug	ıar Maple	Trace	>20 feet	Sapling	northwest corner has a couple of large diameter basswood (stump sprout			
	Balsam Poplar	15	Pole/Sap/Log	7		Amur F	Honeysuckle	Trace	5 - 10 feet	Tall Shrub	origin). A second age class of old, large diameter aspen is scattered			
	Black Cherry	6	Pole	7		Pap	oer Birch	Trace	>20 feet	Sapling	occasionally throughout. Trace of red pine (pole), white pine (pole/sap), sugar maple (pole/sap), elm (pole). Average ba/acre from 7 plots = 97			
	Quaking Aspen	50	Pole/Log/XLog	8	34	Iro	onwood	Medium	Variable	Sapling	square feet. Manage together with stand 24 when that is prescribed for a			
	Paper Birch	6	Pole/Sapling	7		Re	d Maple	Trace	>20 feet	Sapling	harvest.			
	White Spruce	2	Pole	8		Ва	lsam Fir	Low	Variable	Sapling				
	Basswood	2	Log/XLog	15		Autu	ımn Olive	Trace	5 - 10 feet	Tall Shrub				
	White Ash	1	Pole	6		Ame	rican Elm	Trace	Variable	Sapling				
	Ironwood	1	Pole	5		WI	nite Ash	High	Variable	Sapling				
						Blac	ck Cherry	Medium	Variable	Tall Shrub				
						WI	nite Ash	Medium	< 5 feet	Seeding				
						Servicebe	erry (Juneberry)	Trace	Variable	Tall Shrub				
						E	Beech	Trace	Variable	Sapling				
22	3102	2 - Grass		Nonsto	ocked	18.6	U	Inspecified	Managed C	pening	This is a managed opening that is mowed each year.			
						Sub-Ca	nopy Species	Density	Avg. Height	Size				
						Mixe	d Grasses	Full		Non-Wood				
23	23 3105 - Mixed Upland Herbaceous Nonstocked				ocked	15.9	U	Inspecified	Managed C	pening	This is a managed opening that is periodically mowed, except for the northeast finger which is not managed. Some areas of wet ground in the			
							nopy Species	Density	Avg. Height	Size	northeast finger, and most of the white pine, cherry, BAM, and autumn			
						Wh	nite Pine	Trace	>20 feet	Pole	olive is located in this area. Large apple tree in the middle of the stand			
						Autu	ımn Olive	Trace	5 - 10 feet	Tall Shrub	that is usually very productive. A single small scotch pine at the north			
						Brad	ken Fern	Low	Unspecified	Non-Wood	end.			
							rry/Raspberry	Low	< 5 feet	Tall Shrub				
							am Poplar	Trace	>20 feet	Pole				
						Wh	nite Pine	Trace	>20 feet	Log				
						Balsa	am Poplar	Trace	5 - 10 feet	Sapling				
							d Grasses	Full	Unspecified	Non-Wood				
						Blac	ck Cherry	Trace	>20 feet	Tall Shrub				

Poletimber Well

Pigeon River Country Mgt. Unit

4134 - Aspen Spruce/Fir

24

81-110

81-110

N/A

N/A

Compartment: 10 Year of Entry: 2025



Stand	Level 4 Cover Type	Size Density	Acres Stand Age BA Range	Managed Site	General Comments
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34

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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Pole/Sapling	6	34	Black Ash	Low	Variable	Sapling
White Spruce	4	Pole/Sapling	6		American Elm	Trace	Variable	Sapling
Paper Birch	3	Sapling/Pole	4		Paper Birch	Trace	Variable	Sapling
Balsam Fir	34	Pole/Sapling	5		Red Maple	Trace	>20 feet	Sapling
Black Spruce	1	Pole	6		Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Maple	6	Pole/Sapling	5		Balsam Fir	Full	Variable	Sapling
Bigtooth Aspen	2	Pole/Log	9		White Ash	Medium	Variable	Sapling
White Ash	2	Pole/Sapling	6		Black Cherry	Low	Variable	Tall Shrub
Balsam Poplar	8	Pole/Sapling	7		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub

19.8

Moderate quality aspen stand with a thick component of fir. A few wet drainages, running north-south, are present in the east half of the stand, although difficult to distinguish on aerial imagery. The entire south edge of the stand transitions to lowland, is very wet in areas, and has more of a BAM/black ash/birch/alder species mix. Most ash are in the sapling layer, although there are a few white ash poletimber stems scattered throughout that are still alive. Red maple is most common in the southwest corner of the stand. Trace of sugar maple (pole/sap), white pine (pole/sap), and elm (pole). Average ba/acre from 10 plots = 107 square feet. Flat to gently rolling terrain. This stand should be ready for a harvest next entry.

25	4130 -	Aspen	Po	oletimb	er Wel	l 8.0	8.0 45		N/A	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cand	py Species	Density	Avg. Height	Size
	Paper Birch	5	Pole/Sapling	5		Red	Maple	Trace	>20 feet	Sapling
	Red Maple	2	Pole/Sapling	5		Yellov	w Birch	Trace	>20 feet	Sapling
	Sugar Maple	16	Sapling/Pole	4		Bass	swood	Trace	>20 feet	Sapling
	Balsam Fir	1	Pole	7		Pape	r Birch	Low	>20 feet	Sapling
	Bigtooth Aspen	20	Log/Pole	10		Ве	ech	Low	Variable	Sapling
	Basswood	1	Pole	6		Ameri	can Elm	Trace	Variable	Sapling
	White Ash	5	Pole/Sapling	6		Suga	r Maple	Full	>20 feet	Sapling
	Quaking Aspen	40	Pole/Log	9	45	Whit	te Ash	Medium	>20 feet	Sapling
	American Elm	1	Pole/Sapling	5		Iron	wood	Low	Variable	Sapling
	Yellow Birch	2	Sapling/Pole	4				'		
	White Pine	1	Log/Pole	11						

This stand was manually felled by DNR staff in 1978. Aspen regenerated well as did an excellent mix of hardwood species (including yellow birch!). Almost all hardwoods you would expect to see in a stand are here. I'm guessing that the large amount of downed trees must have kept the deer and elk out of the stand, which in turn led to the great hardwood regeneration. In the areas where aspen is not well-stocked, it is pure hardwoods. A lot of the ash is dead but there are still some that appear to be hanging on. The white pine and fir is mostly in a small strip along the west side. Average ba/acre from 5 plots = 132 square feet. Roughly 1/2 of this stand is seasonally wet lowland with a network of drainages (see leaf-off imagery). There is also a lot of pit and mound topography suggesting vernal pools in the spring. The amount of wet ground does not make this stand commercially viable. Let the hardwoods continue to grow and perhaps do another manual cut in 10 or 20 years, protecting hardwoods as much as possible.

Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	2	Log	12		White Ash	Medium	5 - 10 feet	Sapling
Beech	5	Pole/Log	10		Ironwood	Medium	5 - 10 feet	Sapling
Sugar Maple	43	Log/Pole	10	105	Beech	Low	5 - 10 feet	Sapling
Rasswood	50	Pole/Log	10	105		•		•

91.1

105

9

Poletimber Well

Pole/Loa

This stand is currently under contract in the sale Westward Clute Hardwoods (#53-007-16), bought by Shaun Hope. It was cut in the summer of 2022. Skidding and hauling still remain.

Balsam Poplar

26

6

4110 - Sugar Maple Association

Report 7 - Stands

Compartment: 10 Year of Entry: 2025



Stand	Level 4 Co	over Type	s	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments		
27	4319 - Mixed	Upland Fo	orest Po	oletimb	er Well	4.8	62	51-80	N/A		Narrow strip of aspen, hardwoods, and conifers along Osmun Road. The		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	stand starts as upland at the south end and gradually becomes wetter the further north you go. Hardwoods, specifically basswood, are more		
	Red Maple	5	Log/Pole/XLog	14		Ame	rican Elm	Trace	>20 feet	Sapling	common at the south end. It looks like there used to be a decent amount		
	Sugar Maple	6	Pole/Log	8		Ва	sam Fir	High	Variable	Sapling	of white ash in the stand but it is now all dead except for the smaller		
	Paper Birch	4	Pole	7		Pap	er Birch	Trace	>20 feet	Sapling	stems. 2 age classes of aspen are present, some in the 7-12" range and then a component of older trees 15" DBH and larger. There are a few		
	White Spruce	1	Log	14		Wh	nite Ash	Medium	Variable	Sapling	very large balsam fir over 18" DBH. Some advanced basswood regen		
	Quaking Aspen	28	Log/Pole/XLog	10	62	Wh	nite Ash	Medium	< 5 feet	Seeding	along the road edge, not a common thing to see in the PRC. Found one		
	Balsam Poplar	2	Log	13		Irc	nwood	Trace	Variable	Sapling	red oak sapling as well. Trace of elm and yellow birch in the overstory.		
	Hemlock	1	Log/XLog	16		Ва	sswood	Trace	>20 feet	Sapling	Average ba/acre from 5 plots = 126 square feet. Not real desirable timber, leave unmanaged for visual management reasons.		
	Balsam Fir	37	Pole/Log	8	62	E	Beech	Low	Variable	Sapling	,g		
	Basswood	12	Log/Pole	12							1		
No	rthern White Cedar	4	Log/Pole	12									
28	4130	- Aspen	5	Saplino	y Well	17.4	24 I	mmature	N/A		Developing aspen stand. There are scattered areas without much		
	Canopy Species		Size Class	Class DBH A		DBH Age		Sub-Cand	anopy Species	Density	Avg. Height	Size	regeneration, which from leaf-off imagery appears to be the location of old skid trails that were heavily disturbed with some ruts still evident
	Balsam Fir	6	Sapling	3		Pap	er Birch	Trace	>20 feet	Sapling	today. Numerous drainages and areas of wet ground are present		
	White Spruce	2	Sapling/Pole	3		Bla	ack Ash	Low	5 - 10 feet	Sapling	throughout (see site conditions layer). Diameter growth is better in the		
	Quaking Aspen	72	Sapling	3	24	Whit	e Spruce	Trace	Variable	Sapling	wet areas. Limited overstory diversity, poplar species are dominant.		
	Balsam Poplar	20	Sapling/Pole	3		Blac	k Cherry	Low	Variable	Tall Shrub			
						Re	d Maple	Trace	10 - 20 feet	Sapling			
						Ba	sam Fir	Medium	Variable	Sapling			
						Wh	nite Ash	Low	5 - 10 feet	Sapling			
						Wh	ite Pine	Trace	Variable	Sapling			
29	6119 - Mixed Lowla	ınd Decidu	ous Forest Sa	awtimb	er Well	7.4	78	81-110	N/A		Variable stand of upland and lowland. Wet drainages coming from the northwest and northeast converge at the south end of the stand, creating		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	a small non-forested wetland that is likely a result of water drainage being		
	American Elm	3	Pole	6		Wh	nite Ash	Medium	Variable	Sapling	blocked by Clute Road which borders the southern edge of the stand. A		
	Ironwood	1	Pole	5		Е	Beech	Low	Variable	Sapling	vein of upland runs north-south through the middle of the stand with		
	Red Maple	5	Pole/Log	9		Red Os	ier Dogwood	Low	< 5 feet	Tall Shrub	additional upland along the east and west edges of the stand. Basswood can be found in both wet and dry areas. The quaking aspen appears to		
	White Ash	1	Pole	6		Sug	ar Maple	Trace	>20 feet	Sapling	be of multiple age classes, as there are some scattered large diameter		
	Balsam Fir	17	Pole/Sap/Log	7		Bla	ack Ash	Low	Variable	Sapling	(>15" DBH) stems here and there. Most of the elm in the stand appears		
	Quaking Aspen	24	Log/Pole/XLog	11	78	Ва	sam Fir	High	Variable	Sapling	healthy and some of the white ash stems in the poletimber size class are still alive. Trace of white pine (pole), white spruce (log/pole), and balsam		
	Basswood	16	Log/Pole	12		Irc	nwood	Trace	Variable	Sapling	poplar (pole/log) in the overstory. Average ba/acre from 8 plots = 100		
NIa	rthorn White Coder	2	Lon	12				-			square feet. No management due to the wet ground		

Northern White Cedar

Paper Birch

Sugar Maple

2

14 17 13

10

8

Log Log/Pole

Pole/Log

square feet. No management due to the wet ground.

Pigeon River Country Mgt. Unit

Compartment: 10 Year of Entry: 2025



Stand	and Level 4 Cover Type		s	ize Density	Acres Stand Age B	A Range	Managed 9	Site	General Comments		
30	6229 - Mixed	l lowland s	hrub	Nonstocked	9.8 U	Inspecified	No		Lowland shrub stand that looks to be slowly filling in with trees. A stream flows east through the length of the stand and old imagery shows that it		
					Sub-Canopy Species	Density	Avg. Height	Size	was previously dammed by beavers in 2 locations, but this doesn't		
					Balsam Fir	Trace	< 5 feet	Seeding	appear to be the case any more. Some areas of emergent wetland are		
					Red Maple	Trace	Variable	Sapling	present closer to the stream. I only looked at this stand in 2 spots along		
					Willow spp.	Medium	Variable	Tall Shrub	the edge.		
					Paper Birch	Low	Variable	Sapling			
					Balsam Fir	Low	Variable	Sapling			
					Black Ash	Low	Variable	Sapling			
					Tag Alder	Low	Variable	Tall Shrub			
					Balsam Poplar	Trace	Variable	Sapling			
31	4139 - Aspen, I	Mixed Dec	iduous S	Sapling Wel	5.2 22	Immature	N/A		Generally a well-stocked stand of poplar species. It was cut at the same		
	Canopy Species	% Cove	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	time as stand 37 to the north but regenerated much better. There are some areas in the east half of the stand, that look like the old landing,		
	Paper Birch	3	Sapling	2	Black Cherry	Low	Variable	Tall Shrub	that haven't regenerated as well although some conifers are filling in. The		
	Balsam Fir	11	Sapling	3	Willow spp.	Low	Variable	Tall Shrub	west half of the stand looks to be seasonally wet and has a dense		
	Balsam Poplar	29	Sapling	3	White Spruce	Trace	5 - 10 feet	Sapling	understory of black ash. The east half of the stand has wet areas at the north and south ends, as well as along the east edge. The haul road cut		
	White Spruce			Paper Birch	Trace	5 - 10 feet	Sapling	east-west through the middle of the stand, and at the narrow pinch point			
(	Quaking Aspen			3 22	Balsam Fir	Medium	5 - 10 feet	Sapling	of the stand, the road crossed a seasonal drainage. It does not appear a		
					Black Ash	Medium	< 5 feet	Seeding	culvert or temporary bridge was utilized as ruts are still evident. Trace of red pine, white pine, and black spruce saplings.		
					Black Ash	Medium	5 - 10 feet	Sapling	Tea pine, with pine, and black opides suprings.		
32	4319 - Mixed	Upland F	orest Po	oletimber W	ell 3.6 91	81-110	N/A		Small stand of mature red pine with a younger understory of hardwoods.		
	Canopy Species	% Cove	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	Most recent harvest was in 1982 (Hyde's Forest Products), where everything was cut except for red and white pine. The red pine is mostly		
	Beech	15	Pole	6	White Ash	Low	>20 feet	Sapling	along the west edge of the stand. Most of the hardwoods are new		
	White Ash	1	Pole	6	Black Cherry	Low	>20 feet	Tall Shrub	ingrowth but there are some scattered older sugar maple stems that were		
	Paper Birch	2	Pole/Log	8	Balsam Fir	Low	Variable	Sapling	not cut during the harvest. Fir becomes common in the east half of the stand. Most merchantable white ash are dead but there are still a few		
	Sugar Maple	22	Pole/Sap/Log	6 41	Ironwood	Medium	Variable	Sapling	poletimber stems hanging on. Most beech have BBD. A few of the		
(	Quaking Aspen	4	Log/Pole	12	Serviceberry (Juneberry)	Trace	>20 feet	Tall Shrub	serviceberry are over 5" DBH. Trace of white pine (log) and XL-sized		
	Red Pine	29	XLog/Log	20 91	Sugar Maple	Medium	>20 feet	Sapling	sugar maple in the overstory. Average ba/acre from 5 plots = 106 square feet. Let the hardwoods continue to grow and manage when mature.		
	Balsam Fir	19	Pole/Log	8	Beech	Medium	Variable	Sapling	leet. Let the hardwoods continue to grow and manage when mature.		
	Red Maple	4	Pole/Log	8		,			•		
	Basswood	1	Log/Pole	11							
	Ironwood	3	Pole	5							
33	3102	- Grass	I	Nonstocked	4.2 U	Inspecified	Managed O	pening	This is a managed opening that is mowed each year.		
33	3102	- Grass	J	Nonstocked	4.2 U Sub-Canopy Species	•	Managed O  Avg. Height	pening Size	This is a managed opening that is mowed each year.		
33	3102	- Grass	I	Nonstocked		•			This is a managed opening that is mowed each year.		

Report 7 - Stands

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Compartment: 10 Year of Entry: 2025



Stand	Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
34	4130	- Aspen	Po	letimb	er Wel	7.0	45	81-110	N/A		Moderate quality aspen stand. Diameters on the aspen vary
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	considerably, with some areas just over merchantability and others ranging from 8-10" DBH. Balsam poplar is mostly at the far northern end.
	Balsam Poplar	8	Pole	7		Pa	per Birch	Low	>20 feet	Sapling	A small amount of merchantable white ash is still alive. A few larger
	Quaking Aspen	64	Pole/Sap/Log	7	45	W	hite Ash	Low	>20 feet	Sapling	diameter, residual red maple are scattered throughout. There appears to
	Red Maple	10	Pole/Sap/Log	6		Su	gar Maple	Trace	>20 feet	Sapling	be wet ground throughout the stand, more common in the south half and along all of the edges. However, it is difficult to tell how wet the stand
	Balsam Fir	14	Pole/Sapling	6			Beech	Trace	Variable	Sapling	really is due to the large amount of snow on the ground (1.5 feet) during
	White Ash	1	Pole	5		Re	ed Maple	Low	>20 feet	Sapling	inventory. Average ba/acre from 5 plots = 92 square feet. This stand will
	Sugar Maple	1	Pole	5		Ва	alsam Fir	High	Variable	Sapling	be ready for a treatment next entry however access is going to be difficult due to wet ground, so it may require a manual habitat cut instead.
	Paper Birch	2	Pole/Sapling	5		В	lack Ash	Trace	Variable	Sapling	due to wet ground, so it may require a manual nabitat cut instead.
35	6128 - Lowland 0 Dec	Coniferous iduous	, Mixed Pole	timbe	r Mediu	m 29.3	85	81-110	N/A		Wet lowland stand that is dominated by cedar, most of which is in decline and/or already dead. There are some scattered pockets having a more
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	diverse overstory, tending to be along the west edge and southeast part of the stand. Numerous areas of cedar blowdown, especially in the
Noi	rthern White Cedar	49	Pole/Log	9	85	Bals	sam Poplar	Trace	Variable	Sapling	central part, which makes it very difficult to navigate through the stand.
	Quaking Aspen	16	Log/XLog/Pole	14		Ва	alsam Fir	Medium	Variable	Sapling	Some cedar layering is occurring in the blowdown areas. Black ash

by cedar, most of which is in decline e scattered pockets having a more g the west edge and southeast part lar blowdown, especially in the icult to navigate through the stand. the blowdown areas. Black ash regeneration is abundant throughout most of the stand, being very thick in some areas. There are also a few small pockets of good paper birch and yellow birch regeneration. The far southeast edge of the stand adjacent to Clute Road has a 1/2 acre inclusion of younger A6, sitting on drier soils, that must have been cut at the same time as stand 73 to the west. Trace of sugar maple (pole) and basswood (log/pole) in the overstory. Average ba/acre from 9 plots = 108 square feet. Next entry this will likely be a Q4 due to the ongoing cedar mortality. The 98DOQ imagery shows this as a healthy stand so something must have happened in the past 20 years that disrupted the hydrology of the stand, either the drainage crossing over Clute Road is not adequate or active beaver dams further to the southeast backed up water flow enough to cause the cedar mortality.

Callopy Species	% COVE	i Size Ciass	υоп	Age	Sub-Carlopy Species	Delisity	Avg. neigiit	Size
Northern White Cedar	49	Pole/Log	9	85	Balsam Poplar	Trace	Variable	Sapling
Quaking Aspen	16	Log/XLog/Pole	14		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	12	Pole	7		Tag Alder	Low	10 - 20 feet	Tall Shrub
Yellow Birch	1	Pole	7		Paper Birch	Low	>20 feet	Sapling
Paper Birch	3	Pole/Sapling	6		American Elm	Trace	Variable	Sapling
Balsam Poplar	3	Log/Pole	12		Yellow Birch	Trace	Variable	Sapling
White Spruce	11	Log/Pole	14		Black Ash	High	Variable	Sapling
Red Maple	4	Pole	8		Red Osier Dogwood	Low	5 - 10 feet	Tall Shrub
American Elm	1	Log/Pole	13		Basswood	Trace	Variable	Sapling
					Red Maple	Low	Variable	Sapling
					White Spruce	Trace	Variable	Sapling

Mixed species stand of mostly sub-merchantable stems. Thick balsam fir in most places, although the west half of the stand shifts to more of a deciduous species mix. Found a few cedar saplings in the south half of the stand! A handful of larger spruce and cedar are scattered throughout. Some of the willow is greater than 5" DBH, not sure what species it is. No sale records were found, nor are there any signs of a past harvest in this stand. Average ba/acre from 5 plots = 72 square feet. Difficult to tell how wet this stand is, as there was 1.5 feet of snow on the ground at time of inventory, however the prevalence of red-osier dogwood at the ground level leads me to believe this is a very wet site. Future management of this stand is questionable based on ground conditions.

36	6124 - Lowla	nd Spruce	-Fir	Sapling	Well	6.2	36	51-80	N/A		N
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	C
	Balsam Fir	41	Sapling/Pole	3	36	Red Osi	er Dogwood	Medium	< 5 feet	Tall Shrub	t
	Balsam Poplar	19	Sapling/Pole	4		Bals	sam Fir	Medium	5 - 10 feet	Sapling	5
	Quaking Aspen	9	Sapling/Pole	4		Pap	er Birch	Trace	5 - 10 feet	Sapling	5
	Black Ash	2	Sapling	2		Tag	g Alder	Low	>20 feet	Tall Shrub	٧
	Paper Birch	10	Sapling	3		Bla	ck Ash	Low	5 - 10 feet	Sapling	i
	Black Spruce	4	Pole/Sapling	5		Wille	ow spp.	Medium	Variable	Tall Shrub	l(
No	orthern White Cedar	1	Sapling	2							٠

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Pole/Sapling

White Spruce

Compartment: 10 Year of Entry: 2025



Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments
37	6119 - Mixed Lowla	and Decidu	ous Forest Sa	apling I	Medium	7.0	22 I	mmature	N/A		Regeneration is spotty throughout this stand although there is a very nice
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	component of paper birch in most places. Some areas are dominated by lowland shrubs, particularly willow. There is a small pocket of cedar
	Paper Birch	37	Sapling/Pole	3	22	Ва	lsam Fir	Low	< 5 feet	Seeding	blowdown in the middle of the stand that has actual cedar regeneration,
	White Spruce	3	Sapling	2		Whit	te Spruce	Trace	< 5 feet	Seeding	about half of which has grown past the browse level! There are also
No	rthern White Cedar	1	Sapling	2		Northern	White Cedar	Trace	< 5 feet	Seeding	some cedar seedlings scattered throughout the stand but most have been heavily browsed. The north half of the stand seems to be wetter
	Black Ash	5	Sapling	2		Wil	low spp.	High	10 - 20 feet	Tall Shrub	
	Quaking Aspen	17	Sapling/Pole	3		Whit	te Spruce	Trace	5 - 10 feet	Sapling	due to the large amount of snow on the ground at time of inventory.
	Balsam Fir	10	Sapling	3		Bla	ack Ash	Low	< 5 feet	Seeding	
	Red Maple	5	Sapling	3		Bla	ack Ash	Low	5 - 10 feet	Sapling	
	Balsam Poplar	22	Sapling	3		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
				,	,	Та	ıg Alder	Trace	10 - 20 feet	Tall Shrub	
38	4110 - Sugar N	Maple Asso	ciation Po	oletimb	er Well	84.0	100	111-140	N/A		Nice hardwood stand with a lot of quality sugar maple. Beech tends to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	occur in clumps and most have BBD. A few small pockets of younger ash/maple/ironwood/elm at the north end. Terrain slopes down graduall
	Red Pine	1	Log/XLog	15		Irc	onwood	Low	Variable	Sapling	to the east in both fingers of the stand. There is a small north-south
	Sugar Maple	57	Pole/Log	9	100	Е	Beech	Medium	Variable	Sapling	running drainage at the far east end of the stand. Additional wet ground
	Bigtooth Aspen	1	Log/XLog	17	_						present in the middle of the stand on the north edge, directly south of stand 25. Trace of red maple, paper birch, white pine, and hemlock in t
	American Elm	1	Pole	7							overstory. Average ba/acre from 20 plots = 115 square feet. Two old
	Beech	4	Pole/Log	8							ground blinds are in the stand.
	Ironwood	1	Pole	5							
	Basswood	35	Log/Pole	12	100						
39	6130 - Fir,	Aspen, Ma	ple Po	oletimb	er Well	10.3	68	51-80	N/A		Multi-aged, diverse stand but generally low quality and not well-stocked
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	many places. There are at least two age classes of aspen in the stand a it looks like areas adjacent to the railroad grade on the east side had a
	American Elm	1	Log/Pole	11		Ва	lsam Fir	High	Variable	Sapling	partial harvest long ago and subsequently regenerated to a few small
	White Spruce	5	Pole/Log	8		Re	d Maple	Trace	Variable	Sapling	clones of aspen. The remainder of the aspen throughout the stand is
No	rthern White Cedar	13	Pole/Log	8		Та	ıg Alder	Medium	Variable	Tall Shrub	large diameter and old, with several already dead or close to it. Black a used to be a large component but they are now all dead due to EAB. The
	Balsam Fir	25	Pole/Sapling	6		Bla	ack Ash	Medium	Variable	Sapling	majority of the stand sits on very wet ground, with a drainage running
	Balsam Poplar	15	Pole/Log	8		Pap	per Birch	Trace	Variable	Sapling	north-south through the middle for the length of the stand. There are a
	Paper Birch	2	Pole	6							few areas of drier transitional ground along the east edge. A good
	Quaking Aspen	35	Log/Pole/XLog	12	68						representation of elm is present at the south end. Average ba/acre from plots = 70 square feet. No management, too wet to operate.
	Red Maple	4	Pole	7							prote to equate the management, too not to epotate.
40	4134 - Asp	en, Spruce	/Fir Po	oletimb	er Well	3.9	36	111-140	N/A		Younger aspen stand with a heavy fir component. Diameters on the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen vary considerably, most areas are barely merchantable but there are some spots where the aspen ranges from 7-8" DBH. Trace of white
	Paper Birch	2	Sapling/Pole	4			ack Ash	Low	Variable	Sapling	pine (pole/sap) and red maple (pole/sap). Average ba/acre from 5 plots
	White Spruce	2	Log	13		Ва	lsam Fir	Full	Variable	Sapling	126 square feet. Difficult to tell how wet this stand really is as there was
	Quaking Aspen	48	Pole/Sapling	6	36		ıg Alder	Trace	10 - 20 feet	Tall Shrub	over 1.5 feet of snow on the ground during inventory. No sale records f
	D   D	40	D 1 (0 1)	-			5		. 00 5	0 "	this stand. Access will be difficult for management, it will have to be cut

>20 feet

Low

Paper Birch

13

35

Pole/Sapling

Sapling/Pole

6

4

Balsam Poplar

Balsam Fir

Sapling when adjacent stand 36 is prescribed for a harvest.



Stand	Level 4 Co	over Type	Si	ize De	nsity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments
41	4199 - Other Mixe	d Upland D	Deciduous Po	letimb	er Well	27.7	41	51-80	N/A		This was originally a red and white pine dominated stand. In 1982,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	everything was cut out of the stand except for the pine. After hardwoods regenerated, the majority of the overstory pine was removed in 2006 in
	American Elm	1	Pole	7		Wh	ite Ash	Low	Variable	Sapling	the sale Westward Clute Red Pine (#53-007-05, Precision). A few clumps
	White Pine	2	Log/Pole	10		В	eech	Low	Variable	Sapling	of M9 that were never harvested are present in the stand. The majority of
	Ironwood	35	Pole/Sapling	5	41	Bal	sam Fir	Trace	Variable	Sapling	the regeneration after the initial harvest was ironwood and white ash, although there are some scattered younger sugar maple as well. A lot of
	Beech	2	Pole	6		Pap	er Birch	Trace	>20 feet	Sapling	the white ash has died from EAB, however there are still many stems that
	Paper Birch	2	Pole/Sapling	7		Suga	ar Maple	Medium	>20 feet	Sapling	appear alive and relatively unaffected by EAB. The eastern "finger" of the
	Sugar Maple	32	Pole/Log/XLog	8		Iro	nwood	Medium	>20 feet	Sapling	stand has more of the birch and beech component. After the most recent harvest, white ash saplings are showing up in the gaps vacated by the
	Red Pine	7	XLog/Log	20	89						harvested pine, with sugar maple seedlings in a couple areas. Trace of
	Basswood	3	Log/XLog	15							red maple, fir, and bigtooth aspen in the overstory. Average ba/acre from
	Quaking Aspen	1	Pole/Log	8							9 plots = 66 square feet. There is a little bit of wet ground near the narrow middle part of the stand.
	White Ash	15	Pole/Sapling	7							middle part of the stand.
42	4130	- Aspen	Po	letimb	er Well	22.9	43	81-110	N/A		Aspen poletimber stand of varying quality. The quaking aspen is well-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	stocked and good quality in some places, but poorly-stocked and low quality in other places. The west edge of the stand becomes wet and has
	Quaking Aspen	50	Pole/Log	8	43	Iro	nwood	Medium	Variable	Sapling	areas without much aspen but almost completely dominated by conifers
	Balsam Fir	14	Pole/Sap/Log	6		Bla	ick Ash	Trace	Variable	Sapling	(mostly fir), often only small diameter trees are present. Some of these
	White Spruce	2	Pole/Sap/Log	6		Blac	k Cherry	Medium	Variable	Tall Shruk	wet areas on the west edge appear to be seeps with tag alder and red- osier dogwood present. The hardwood component becomes more
	White Ash	1	Pole	5		В	seech	Low	Variable	Sapling	prominent along the east edge of the stand, including a couple areas
	Black Cherry	3	Pole	6		Wh	ite Ash	Medium	Variable	Sapling	where sugar maple/ironwood is dominant, such as the far northeast
	Ironwood	1	Pole	5		Suga	ar Maple	Medium	>20 feet	Sapling	corner of the stand. The northern 1/3rd of the stand has quite a bit of serviceberry, including several stems over 4" DBH. Most ash over 5"
	Red Maple	7	Pole/Sapling	6	43	Red Osi	er Dogwood	Low	< 5 feet	Tall Shruk	DBH has been killed by EAB but there appears to be a few that are still
	Sugar Maple	7	Pole/Sapling	6		Serviceber	rry (Juneberry)	Low	Variable	Tall Shruk	hanging on. A few scattered larger diameter red and sugar maple are
	Bigtooth Aspen	15	Pole/Log	8		Red	d Maple	Low	>20 feet	Sapling	present in the stand. Trace of paper birch (pole/sap/log), red pine (pole), white pine (pole/sap), and balsam poplar (pole). Average ba/acre from 18
						Tag	g Alder	Low	10 - 20 feet	Tall Shruk	plots = 107 square feet.
						Bal	sam Fir	Medium	Variable	Sapling	
						White	e Spruce	Trace	Variable	Sapling	
43	310 - Herbac	eous Oper	nland N	Nonsto	cked	1.6	U	nspecified	Managed O	pening	Managed wildlife opening that is periodically mowed. 4 apple trees are
						Sub-Can	opy Species	Density	Avg. Height	Size	present; two in the middle, one on the east edge, and one on the northwest edge. The east half of the stand is slightly elevated above the
						Bal	sam Fir	Trace	>20 feet	Pole	west half. From imagery it looks like the east half may be seasonally wet.
						Арр	le (spp.)	Trace	>20 feet	Tall Shruk	
						Bal	sam Fir	Trace	Variable	Sapling	
						Balsa	ım Poplar	Trace	Variable	Sapling	



Stand	Level 4 C	over Type	Si	ize De	nsity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
44	6112 - Lo	wland Aspe	en Pol	letimbe	er Poor	17.7	79	1-50	N/A		Poorly-stocked, wet lowland stand. Black ash used to be the dominant
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	species in the stand but it is now all dead from EAB and fallen over.  Standing water throughout the north half of the stand, eventually forming
	Paper Birch	2	Pole/Sapling	6		Ва	lsam Fir	Medium	Variable	Sapling	into a defined strream channel as you head southeast and the stand
	Basswood	25	Log/Pole	11	79	Ta	ng Alder	Low	10 - 20 feet	Tall Shrub	becomes more narrow. Most tree species are present along the edges of
	Balsam Fir	10	Pole/Sapling	6		Red Os	ier Dogwood	Medium	< 5 feet	Tall Shrub	the stand, the middle parts tend to be more non-forested. Cedar is mostly at the far northwest and southeast parts of the stand. A lot of the elm is
	American Elm	9	Pole/Log	8		Pa <sub>l</sub>	oer Birch	Trace	>20 feet	Sapling	still healthy, including a handful of trees greater than 15" DBH. Most ash
	Red Maple	4	Pole/Log	8		Ame	erican Elm	Trace	Variable	Sapling	regen has been heavily browsed as well as the red osier dogwood.
	Quaking Aspen	17	Log/Pole/XLog	11		Bla	ack Ash	Low	< 5 feet	Seeding	Average ba/acre from 7 plots = 37 square feet. Too wet, no management.
Nor	thern White Cedar	10	Log/Pole	12		Bla	ack Ash	Medium	5 - 10 feet	Sapling	management.
	Balsam Poplar	23	Pole/Log	9	79	Bals	am Poplar	Low	Variable	Sapling	
45	4110 - Sugar N	/laple Asso	ciation Sa	wtimb	er Well	76.2	105	51-80	N/A		Nice hardwood stand. Thinned in 2012 in the sale Clute Corner
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Hardwoods (Northwest Hardwoods, #53-015-07). Thinned too heavily in many areas, with BAs under 60 square feet, especially in the east half of
	Basswood	23	Log	13	105	W	hite Ash	High	5 - 10 feet	Sapling	the stand. Regeneration has come back heavily to white ash in most
	Balsam Fir	1	Pole	6		W	hite Ash	High	< 5 feet	Seeding	places of the stand as well as a thick layer of raspberry. Average ba/acre
	Hemlock	1	Log/XLog	16		Ва	lsam Fir	Trace	Variable	Sapling	from 10 plots = 78 square feet. Seasonally wet areas are present in the east half of the stand (see leaf-off imagery and site conditions layer) but
	Bigtooth Aspen	1	Log/XLog	16		Iro	onwood	Low	10 - 20 feet	Sapling	were not excluded from the harvest. It will be several entries before this
	Sugar Maple	69	Log/Pole	11	105	Wild Re	ed Raspberry	High	< 5 feet	Tall Shrub	stand can be treated again.
	Beech	5	Log/XLog/Pole	15		Commo	n Blackberry	Low	< 5 feet	Tall Shrub	
						[	Beech	Medium	10 - 20 feet	Sapling	
46	6229 - Mixed	l lowland s	hrub N	Nonsto	cked	3.0		Unspecified	No		Only looked at the south and west edges of the stand. Thick lowland shrub component. The old Dog Lake Railroad Grade passes north-south
							nopy Specie		Avg. Height	Size	through the middle of the stand and is where most of the noted
						Ва	Isam Fir	Trace	>20 feet	Pole	poletimber stems are located. There is also a small offshoot of the grade
						Bals	am Poplar	Trace	>20 feet	Pole	that goes west into stand 35. See 98DOQ imagery.
						Bla	ack Ash	Low	Variable	Sapling	
						Ва	Isam Fir	Trace	Variable	Sapling	
						Mich	igan Holly	Low	5 - 10 feet	Tall Shrub	
						Quak	ing Aspen	Low	>20 feet	Pole	
						Ame	erican Elm	Trace	Variable	Sapling	
						Northern	White Cedar	Trace	>20 feet	Pole	
						Та	ng Alder	High	Variable	Tall Shrub	

Managed Site

Tall Shrub

Acres Stand Age BA Range

Level 4 Cover Type

Stand

Compartment: 10 Year of Entry: 2025

**General Comments** 



4136 - Asp	en, Mixed Co	nifer P	oletimb	er Wel	34.8 36	81-110	N/A		Moderate quality aspen stand. Clearcut in 1987 in the sale Osmun Tri-
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Block Aspen (Chris Riker, #53-027-85). Heavy hardwood component throughout the understory of the stand, with ash being most numerous
Paper Birch	2	Pole/Sapling	5		Sugar Maple	Low	>20 feet	Sapling	and most of the smaller stems being free of EAB at this point. Numero
Quaking Aspen	51	Pole/Sapling	6	36	Black Cherry	Medium	Variable	Tall Shrub	wet areas, seeps, and drainages throughout the stand (see site
Balsam Poplar	14	Pole/Sapling	6		Paper Birch	Trace	>20 feet	Sapling	conditions layer and leaf-off imagery), none were excluded from the harvest. A good amount of hazel is present throughout the stand, whic
Red Maple	2	Sapling/Pole	4		Red Maple	Low	>20 feet	Sapling	is a rare shrub in most parts of the PRC. Red-osier dogwood is presen
Bigtooth Aspen	5	Pole/Sapling	6		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub	
Sugar Maple	3	Sapling/Pole	4		Balsam Fir	Medium	Variable	Sapling	is only a few feet tall. The part of the stand east of Osmun Road has a good amount of paper birch regeneration. Trace of basswood (log), red
White Ash	3	Sapling/Pole	4		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub	pine (pole), and elm (pole/sap). Average ba/acre from 14 plots = 91
White Pine	1	Pole	6		Balsam Poplar	Trace	Variable	Sapling	square feet. Most of the stand slopes down gently to the northeast. Th
Balsam Fir	18	Pole/Sapling	5		White Spruce	Trace	Variable	Sapling	stand may potentially be ready for a harvest in 10 years. Exclude all w
White Spruce	1	Pole	7		Black Ash	Low	Variable	Sapling	areas. Protect rare species and the shrub component.
					White Ash	High	Variable	Sapling	
					White Ash	Medium	< 5 feet	Seeding	
320 -	Upland Shrub	1	Nonsto	cked	1.1 U	nspecified	No		According to the 1932 PRC base map, this is the site of an old logging
					Sub-Canopy Species	Density	Avg. Height	Size	camp, called "Camp 9" on the map. Pits and mounds, along with what looks like foundation remnants, are present in the east half of the stan
					White Ash	Low	< 5 feet	Seeding	3 apple trees are in the stand. 1 clump of barberry along the west edg
					Mixed Grasses	High		Non-Wood	The raspberry is being heavily browsed by deer. Do not manage this
					Autumn Olive	Trace	< 5 feet	Tall Shrub	stand due to its historic importance.
					Apple (spp.)	Trace	10 - 20 feet	Tall Shrub	
					Bracken Fern	High	Unspecified	Non-Wood	

High

< 5 feet

43 49 4134 - Aspen, Spruce/Fir 17.9 81-110 N/A Poletimber Well **Canopy Species** % Cover Size Class **DBH Age** Avg. Height Size **Sub-Canopy Species** Density 7 Sapling Pole White Ash Low Variable White Spruce White Ash Pole 6 Black Cherry Trace Variable Tall Shrul 7 6 Sugar Maple Pole Ironwood Low Variable Sapling Red Maple 10 Pole 6 Variable Sapling Beech Trace 15 9 Bigtooth Aspen Pole/Log Red Maple Medium Variable Sapling 40 7 43 Sapling Quaking Aspen Pole Paper Birch Trace >20 feet Balsam Fir 25 Pole 6 Balsam Fir Medium Variable Sapling 6 Beech 1 Pole Sugar Maple Medium >20 feet Sapling

Wild Red Raspberry

Size Density

Moderate quality aspen stand with diameters that vary considerably. Fir becomes dominant in the south half of the stand. Scattered open areas throughout that did not regenerate well after the previous clearcut in 1980. Some areas with a good component of young sugar maple. A few merchantable poletimber ash are still alive and don't appear to be impacted (yet) by EAB. Trace of white pine, elm, yellow birch, paper birch, basswood, and black cherry in the overstory (all poletimber size). Found one yellow birch sapling in the far southwest corner of the stand. Average ba/acre from 12 plots = 102 square feet. Gently rolling terrain. Towards the west end of the stand, a very wet drainage runs north-south through the stand, going into stand 52 to the south. This stand could be harvested at this time but would benefit from another 10 years of growth.



Stan	d Level 4 Co	over Type	S	ize De	nsity	Acres Stand Age B	A Range	Managed S	Site	General Comments
50	4319 - Mixed	Upland Fo	orest Sa	pling N	1edium	23.9 27	51-80	N/A		This stand was clearcut in 1996 in the sale Poplar Spot Sale (Georgia
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Pacific, #53-005-95). Regeneration was severely impacted by deer and elk browse, but to varying degrees. Upland areas were browsed the
	Beech	1	Sapling	3		White Ash	Medium	5 - 10 feet	Sapling	hardest and are poorly-stocked but slowly filling in with fir and smaller
	Balsam Fir	39	Sapling/Pole	4	27	Autumn Olive	Trace	5 - 10 feet	Tall Shrub	amounts of spruce and white pine. Several narrow lowland drainages run
	White Pine	4	Pole/Sapling	6		Balsam Fir	Low	5 - 10 feet	Sapling	north-south through the stand and most regenerated very well, including an impressive amount of paper birch. I have seen this situation in other
	Black Spruce	1	Sapling	3		Beech	Trace	5 - 10 feet	Sapling	places of the PRC where paper birch on upland soils is heavily browsed
	White Spruce	7	Pole/Sapling	6		Black Cherry	Low	Variable	Tall Shrub	but largely left alone when growing in lowland soils. There must be
	Ironwood	2	Sapling	2		Ironwood	Trace	5 - 10 feet	Sapling	something in the lowland soils that makes the birch unpalatable to deer and elk. The aspen can be found mostly in one single clone along the
	White Ash	2	Sapling/Pole	3		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub	north edge of the stand. Trace of sugar maple (sap/pole), red maple
	Bigtooth Aspen	1	Pole/Sapling	5		Tag Alder	Low	10 - 20 feet	Tall Shrub	(sap/pole), red pine (sap/pole), and elm (sap). Trace of Siberian
	Paper Birch	30	Sapling	2		Willow spp.	Low	Variable	Tall Shrub	crabapple.
	Quaking Aspen	6	Sapling/Pole	4						
	Balsam Poplar	7	Sapling/Pole	4						
51	4110 - Sugar M	laple Asso	ciation Sa	wtimbe	er Well	28.5 105	81-110	N/A		Hardwood stand dominated by high quality sugar maple. Monotonous
	Canony Species	% Cover	Sizo Class	DBU	۸۵۵	Sub Canony Species	Doneity	Ava Hojaht	Sizo	stand with little species diversity. Thinned in 2012. Regeneration consists
	Canopy Species		Size Class	DBH 15	Age	Sub-Canopy Species	Density	Avg. Height	Size	almost exclusively of beech, ironwood, and ash. I only noticed a handful
	Beech	2	Log/XLog	15	Age	Ironwood	Low	5 - 10 feet	Sapling	
	Beech Basswood	2 32	Log/XLog Log/XLog	15 15		Ironwood Sugar Maple	Low Trace	5 - 10 feet 5 - 10 feet	Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet.
	Beech Basswood Sugar Maple	2 32 65	Log/XLog Log/XLog Log/Pole/XLog	15 15 13	<b>Age</b> 105	Ironwood Sugar Maple Beech	Low Trace Medium	5 - 10 feet 5 - 10 feet Variable	Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20
	Beech Basswood	2 32	Log/XLog Log/XLog	15 15		Ironwood Sugar Maple	Low Trace	5 - 10 feet 5 - 10 feet	Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20
52	Beech Basswood Sugar Maple	2 32 65 1	Log/XLog Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa	15 15 13 15 wtimbe	105 er Well	Ironwood Sugar Maple Beech White Ash 8.5 84	Low Trace Medium	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A	Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species	2 32 65 1	Log/XLog Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class	15 15 13 15 wtimbe	105 er Well	Ironwood Sugar Maple Beech White Ash	Low Trace Medium High	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla	2 32 65 1	Log/XLog Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa	15 15 13 15 wtimbe	105 er Well	Ironwood Sugar Maple Beech White Ash 8.5 84	Low Trace Medium High	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A	Sapling Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species	2 32 65 1 nd Forest	Log/XLog Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class	15 15 13 15 wtimbe	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species	Low Trace Medium High  141-170  Density	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species Balsam Fir	2 32 65 1 nd Forest	Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class Pole/Sapling	15 15 13 15 wtimber	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech	Low Trace Medium High  141-170  Density Trace	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable	Sapling Sapling Sapling Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species Balsam Fir White Ash	2 32 65 1 md Forest <b>% Cover</b> 4 1	Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class Pole/Sapling Pole	15 15 13 15 wtimber DBH 5 7	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech Yellow Birch	Low Trace Medium High  141-170  Density Trace Trace	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large component of the overstory but it is now all dead and fallen over. Heavy deer browse on the young ash seedlings. A wet drainage runs west-east
52	Beech Basswood Sugar Maple Hemlock  6132 - Mixed Lowla Canopy Species Balsam Fir White Ash Paper Birch	2 32 65 1 md Forest v % Cover 4 1 1	Log/XLog Log/Pole/XLog Log/Pole/XLog with Cedar Sa Size Class Pole/Sapling Pole Log/Pole	15 15 13 15 wtimber DBH 5 7	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech Yellow Birch Red Maple	Low Trace Medium High  141-170  Density Trace Trace Low	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable >20 feet Variable	Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large component of the overstory but it is now all dead and fallen over. Heavy deer browse on the young ash seedlings. A wet drainage runs west-east through the northern part of the stand, and appears that it may be a
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species Balsam Fir White Ash Paper Birch Sugar Maple	2 32 65 1 nd Forest v <b>% Cover</b> 4 1 1	Log/XLog Log/Pole/XLog Log/YLog Log/XLog with Cedar Sa Size Class Pole/Sapling Pole Log/Pole Pole	15 13 15 wwtimber DBH 5 7 11 6 15 9	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech Yellow Birch Red Maple Sugar Maple	Low Trace Medium High  141-170  Density Trace Trace Low Trace	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable >20 feet Variable Variable	Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large component of the overstory but it is now all dead and fallen over. Heavy deer browse on the young ash seedlings. A wet drainage runs west-east through the northern part of the stand, and appears that it may be a seasonal stream in the spring. Trace of XL-sized white pine. Average
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species Balsam Fir White Ash Paper Birch Sugar Maple Basswood	2 32 65 1 nd Forest v % Cover 4 1 1 1 3	Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class Pole/Sapling Pole Log/Pole Pole Log/XLog	15 13 15 wwtimber DBH 5 7 11 6 15 9	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech Yellow Birch Red Maple Sugar Maple White Ash	Low Trace Medium High  141-170  Density Trace Trace Low Trace Medium	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable > 20 feet Variable Variable < 5 feet	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large component of the overstory but it is now all dead and fallen over. Heavy deer browse on the young ash seedlings. A wet drainage runs west-east through the northern part of the stand, and appears that it may be a
52	Beech Basswood Sugar Maple Hemlock 6132 - Mixed Lowla Canopy Species Balsam Fir White Ash Paper Birch Sugar Maple Basswood Red Maple	2 32 65 1 md Forest v % Cover 4 1 1 1 3 3 32	Log/XLog Log/Pole/XLog Log/XLog with Cedar Sa Size Class Pole/Sapling Pole Log/Pole Pole Log/XLog Pole/Log	15 13 15 wwtimber DBH 5 7 11 6 15 9	105 er Well	Ironwood Sugar Maple Beech White Ash  8.5 84  Sub-Canopy Species Beech Yellow Birch Red Maple Sugar Maple White Ash Balsam Fir	Low Trace Medium High  141-170  Density Trace Trace Low Trace Medium Medium	5 - 10 feet 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height Variable >20 feet Variable Variable < 5 feet Variable	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	almost exclusively of beech, ironwood, and ash. I only noticed a handful of sugar maple saplings. Average ba/acre from 6 plots = 100 square feet. Terrain slopes slightly down to the east/southeast. It will likely be 20 years before this stand is ready for another thinning.  Diverse stand that is primarily wet lowland. Scattered clumps of dense cedar and/or hemlock can be found throughout the stand, in general closer to the southern stand edge. Red maple is ubiquitous throughout. Some areas with a good yellow birch representation, especially towards the southeast part of the stand. A few younger yellow birch poletimber and sapling stems are also present. White ash used to be a large component of the overstory but it is now all dead and fallen over. Heavy deer browse on the young ash seedlings. A wet drainage runs west-east through the northern part of the stand, and appears that it may be a seasonal stream in the spring. Trace of XL-sized white pine. Average ba/acre from 6 plots = 147 square feet. No management due to the

Northern White Cedar

30

10

Log/Pole

Compartment: 10 Year of Entry: 2025



Stand	Level 4 Co	over Type	s	Size De	nsity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
53	3303 - Mixed Lo	ow Density	Trees	Nonsto	ocked	2.2	U	nspecified	No		Opening that is filling in with trees. The north half is more open and looks
						Sub-Can	opy Species	Density	Avg. Height	Size	like it was used as a landing a few years ago when the adjacent hardwood stand was thinned.
						White	e Spruce	Trace	>20 feet	Log	Transwood Stand was trimined.
						Bals	sam Fir	Low	>20 feet	Pole	
						Bals	sam Fir	Trace	>20 feet	Log	
						Red	d Maple	Trace	>20 feet	Log	
						Balsa	ım Poplar	Trace	< 5 feet	Seeding	
						Quaki	ng Aspen	Low	< 5 feet	Seeding	
						Blac	k Cherry	Low	>20 feet	Tall Shrub	
						Bals	sam Fir	Low	< 5 feet	Seeding	
						Wh	ite Ash	Trace	< 5 feet	Seeding	
						White	e Spruce	Low	< 5 feet	Seeding	
						Balsa	ım Poplar	Trace	5 - 10 feet	Sapling	
						White	e Spruce	Trace	5 - 10 feet	Sapling	
						Bals	sam Fir	Trace	5 - 10 feet	Sapling	
						Blackber	ry/Raspberry	Medium	< 5 feet	Tall Shrub	
<b>54</b> 6	118 - Lowland De	eciduous w	ith Cedar Pole	etimbe	r Mediuı	m 6.6	75	51-80	N/A		Diverse stand that could probably be split into two separate stands in the 1 future. The west half of the stand is very wet with a thick understory of
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	holly and poorly-stocked, with primarily red maple in the overstory. The
Qua	aking Aspen	2	Pole	8		Yello	ow Birch	Trace	Variable	Sapling	east half of the stand is a little drier and has some clumps of dense cedal
Y	ellow Birch	9	Pole	7		Bla	ick Ash	Low	Variable	Sapling	and hemlock, along with a mix of other species. Some areas with a nice representation of young yellow birch. Average ba/acre from 6 plots = 82
Р	aper Birch	2	Pole/Log	8		Red	d Maple	Trace	>20 feet	Sapling	square feet. No management due to the wet ground.
W	hite Spruce	1	Log/Pole	10		Michi	gan Holly	High	5 - 10 feet	Tall Shrub	)
F	Red Maple	49	Pole/Log	8	75	Bals	sam Fir	Medium	Variable	Sapling	
Northe	rn White Cedar	20	Pole/Log	9		Tag	g Alder	Low	10 - 20 feet	Tall Shrub	
Е	Balsam Fir	5	Pole/Sapling	5							
	Hemlock	12	Log/Pole/XLog	11							

**DBH Age** Size **Canopy Species** % Cover Size Class Sub-Canopy Species Density Avg. Height Hemlock Beech 2 Log/Pole/XLog 11 Low Variable Sapling 5 13 Basswood Log/Pole Balsam Fir Low Variable Sapling Balsam Fir 1 Pole/Sapling 5 Red Maple Low >20 feet Sapling 6 Ironwood 1 Pole White Ash Low < 5 feet Sapling Sugar Maple 6 Pole/Log 8 Sugar Maple >20 feet Low Sapling

9

7

75

Pole/Log

Pole

Moderate quality hardwood stand dominated by red maple. The sugar maple that is present is mostly small diameter and doesn't appear to grow as well on this site as the red maple. Some small clumps of hemlock, mostly along the stand edges. Average ba/acre from 5 plots = 134 square feet. Flat terrain and dry, this stand sits at a slightly higher elevation than surrounding stands. A thinning treatment could be prescribed when adjacent aspen stands to the south are cut.

Red Maple

Beech

84

1



Stand	Level 4 C	over Type		Size De	nsity	Acres St	and Age B	A Range	Managed 9	Site	General Comments
56	4319 - Mixed	Upland Fo	prest	Poletimb	er Well	5.2	72	111-140	N/A		Mixed species stand of varying composition. The southern 1/3rd of the
C	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canor	y Species	Density	Avg. Height	Size	stand is mostly hardwoods with some aspen mixed in. The central part of the stand is dominated by fir. The northwest part of the stand becomes
North	nern White Cedar	3	Pole/Log	8		Black	Ash	Low	5 - 10 feet	Sapling	lowland with primarily spruce and some cedar. There is a lot of older
	Sugar Maple	4	Pole/Log	8		Sugar	Maple	Low	>20 feet	Sapling	blowdown and a heavy ash understory in the northwest part. Trace of
	Ironwood	1	Pole	5		White	Ash	Low	Variable	Sapling	basswood and white pine. Average ba/acre from 6 plots = 120 square feet. No management needed at this time.
1	Black Cherry	1	Pole	6		Paper	Birch	Trace	>20 feet	Sapling	Took to management needed at the time.
	Red Maple	29	Pole/Log	9	72	Bee	ech	Trace	Variable	Sapling	
Q	uaking Aspen	14	Log/Pole	10		Balsa	m Fir	Medium	Variable	Sapling	
	Balsam Fir	33	Pole/Log	8	72	Black (	Cherry	Trace	Variable	Tall Shrub	
	Paper Birch	6	Log/Pole	12		Ironw	/ood	Low	Variable	Sapling	
\	White Spruce	9	Log/Pole	11		Red M	/laple	Low	Variable	Sapling	
		1				Black	Ash	Low	< 5 feet	Seeding	
57		- Aspen		Poletimb		16.5		81-110	N/A		Moderate quality aspen stand that was previously harvested in 1988 in the sale Osmun Tri-Block Aspen (#53-027-85, Chris Riker). Heavy sugar
C	Canopy Species		Size Class		Age	Sub-Canor		Density	Avg. Height	Size	maple and white ash understory in the west half of the stand. The east
	Hemlock	2	Log	13		Michiga		Trace	5 - 10 feet	Tall Shrub	······ -· ··· - ··· -· ··· · · · · · ·
North	nern White Cedar	2	Log/Pole	11		Balsa		Low	Variable	Sapling	pure red maple. Paper birch tends to be located along disturbed road edges. A few scattered clumps of hemlock and cedar, mostly at the
	Red Maple	20	Pole/Sapling	_		America		Trace	>20 feet	Sapling	southeast part of the stand. Much of the hemlock has heavy woodpecker
	White Ash	2	Pole/Sapling	-		Sugar		Medium	>20 feet	Sapling	damage and does not appear healthy. Most of the larger ash has died
	Balsam Fir	5	Pole/Sapling	-		White		High	Variable	Sapling	from EAB but there are still a few merchantable stems hanging on. Trace of black cherry, white pine, and basswood poletimber. Average ba/acre
	Balsam Poplar	3	Pole	8		Bee		Trace	Variable	Sapling	from 7 plots = 81 square feet. Flat terrain. Some wet ground along the
	Paper Birch	3	Pole/Sapling	_		Red M	•	Medium	Variable	Sapling	west side of the stand. Two wet drainages flow north-south in the east
	Sugar Maple	2	Pole/Sapling	_		Tag A		Trace	10 - 20 feet	Tall Shrub	half of the stand (see site conditions layer). This stand will likely be ready for a harvest next entry. Protect wet areas and exclude areas of good
Q	uaking Aspen	61	Pole	7	35	Ironw		Trace	Variable	Sapling	sugar maple regeneration.
						Paper		Trace	>20 feet	Sapling	
					L	Black (	Cherry	Trace	Variable	Tall Shrub	
58	6229 - Mixed	l lowland sh	nrub	Nonst	cked	1.4	U	nspecified	No		Small pothole thick with holly.
						Sub-Canor	by Species	Density	Avg. Height	Size	
						Michiga	n Holly	Full	5 - 10 feet	Tall Shrub	
						Tag A	Alder	Low	10 - 20 feet	Tall Shrub	
						Quaking	Aspen	Low	>20 feet	Log	
						Red M	/laple	Low	>20 feet	Pole	
						America	an Elm	Low	>20 feet	Pole	
						America	an Elm	Trace	Variable	Sapling	
						Red M	/laple	Low	Variable	Sapling	
						Yellow	Birch	Trace	Variable	Sapling	



Stand	Level 4 Co	over Type	5	Size De	ensity	Acres Stand A	ge BA Range	Managed \$	Site	General Comments
59	4319 - Mixed	Upland Fo	rest P	oletimb	er Well	31.0 35	51-80	N/A		In general, this stand is a low quality mix of primarily quaking aspen,
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	ecies Density	Avg. Height	Size	BAM, and fir that is barely merchantable at this point. Clearcut in 1988 in the sale Osmun Tri-Block (#53-027-85, Chris Riker). Regeneration is
	Red Maple	3	Pole/Sapling	5		Black Cherry	Medium	Variable	Tall Shrub	patchy, especially in those areas dominated by fir where there are semi-
	Paper Birch	9	Sapling/Pole	3		White Spruce	Low	Variable	Sapling	open non-forested areas mixed in. Aspen and BAM are most prevalent in
	Quaking Aspen	33	Pole/Sapling	5		White Ash	Medium	< 5 feet	Seeding	the middle part of the stand but lacking in many other areas. Quaking aspen diameters vary significantly with some areas still predominantly in
	White Pine	5	Pole/Log/Sap	8		Balsam Fir	Medium	Variable	Sapling	the sapling stage. Paper birch has regenerated well in some locations bu
	Balsam Poplar	11	Pole/Sapling	5		Michigan Holly	y Trace	5 - 10 feet	Tall Shrub	tends to be much smaller in diameter than other species in the overstory.
	Balsam Fir	35	Pole/Sapling	5	35	Nannyberry	Low	5 - 10 feet	Tall Shrub	Wet ground is common all along the west edge of the stand as well as the entire south end, which is very wet and has abundant lowland shrubs.
	White Spruce	4	Pole/Sap/Log	6		Beech	Trace	Variable	Sapling	There is also some wet ground in the central part of the stand. Based on
						White Ash	Low	Variable	Sapling	old stumps, it appears that a lot of cedar was cut out of this stand,
						Paper Birch	Low	10 - 20 feet	Sapling	however there is no sign of any cedar regeneration. Trace of sugar maple (pole/sap), elm (pole/sap), and bigtooth aspen (pole). Average ba/acre
						Serviceberry (June	berry) Trace	Variable	Tall Shrub	from 8 plots = 59 square feet (expect this to get higher as diameters
						Red Maple	Low	Variable	Sapling	increase). Based on current growth observations, this stand probably
						Tag Alder	Low	Variable	Tall Shrub	won't be ready for a treatment for another 20 years. Protect all wet areas
						Ironwood	Trace	Variable	Sapling	and the birch component when that time comes.
60	6120 - Lov	wland Ceda	ar S	awtimb	er Well	11.0 124	141-170	N/A		In general this is a high quality, healthy cedar stand although there are some areas of decline in the southwest part of the stand where the
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	ecies Density	Avg. Height	Size	ground becomes much wetter. Some of the nicest groves of cedar can be
	White Spruce	2	Log	14		Ironwood	Trace	Variable	Sapling	found along the east/southeast edges. Red maple and paper birch
No	thern White Cedar	65	Log/Pole	11	124	Red Maple	Low	>20 feet	Sapling	become a much bigger component of the overstory in the north half of the stand, in some places they are the dominant species. There are also
	Balsam Fir	4	Pole	6		White Spruce	Trace	Variable	Sapling	areas of upland in the north half. Black ash used to be component of the
	Paper Birch	9	Pole/Log	8		American Elm	n Trace	Variable	Sapling	overstory but are now all dead from EAB. Trace of elm (pole/sap), white
	Red Maple	20	Log/Pole	11		White Ash	Trace	Variable	Sapling	pine (Xlog), and white ash (pole). Average ba/acre from 6 plots = 150
						Balsam Fir	High	Variable	Sapling	square feet. With the exception of the west edge and southeast corner, I think a large portion of this stand would be operable, however
						White Ash	Medium	< 5 feet	Seeding	regeneration of cedar is virtually impossible with the current browse
						Black Ash	Trace	Variable	Sapling	pressure in the area.
						Tag Alder	Low	Variable	Tall Shrub	
						Beech	Trace	Variable	Sapling	
61	4110 - Sugar M	•			er Well	48.0 100	81-110	N/A		Stand thinned in spring/summer of 2016 as part of Big Swale Hardwoods 1 #53-0015-15-01, Northwest Hardwoods. Decent hardwoods. Most of the
	Canopy Species	% Cover			I Age	Sub-Canopy Spe		Avg. Height	Size	ash was cut out of the stand, there was a significant volume of it. A wet
	Beech	3	Log/XLog	13		Beech	Medium	Variable	Sapling	drainage system is present in the north half of the stand and drains down
	Sugar Maple	50	Log/Pole	10	100	Ironwood	Medium	5 - 10 feet	Sapling	into stands 47 and 44 (see site conditions layer). These were not excluded from the harvest and suffered some rutting damage. The
	Basswood	40	Log/XLog	13	100	White Ash	Low	5 - 10 feet	Sapling	portion of the stand east of the road was not thinned and should be left
			1 0.0				N.A. altanon	< 5 feet	0 "	
	Hemlock Red Maple	5	Log/XLog Log/Pole	15		White Ash Blackberry/Rasph	Medium Derry Medium	< 5 feet	Seeding Tall Shrub	unmanaged to serve as retention. Average ba/acre from 9 plots = 82 square feet. Two old borrow pits are on the east side of the stand

Compartment: 10 Year of Entry: 2025



Stand	Level 4 C	over Type		Size De	ensity	Acres Stand A	ge BA Range	Managed :	Site	General Comments
62	6117 - Lowland Con	Deciduous iferous	, Mixed F	Poletimb	er Well	5.1 83	111-140	N/A		Lowland stand that is highly variable in composition. The east half has a wide mix of species. The central/southwest part of the stand resembles
C	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	bog and has sphagnum in the understory, with black spruce and white pine being the primary overstory species. The far west end of the stand
-	Black Spruce	11	Pole/Sapling	5		Yellow Birch	Low	>20 feet	Sapling	poorly stocked, with a thick understory of holly. There are a few areas
	White Pine	18	Log/Pole/XLog	g 11		Black Ash	Low	Variable	Sapling	with an excellent component of young yellow birch. It looks like black as
P	American Elm	1	Pole	7		Michigan Holly	/ High	5 - 10 feet	Tall Shrul	used to be a large component of the overstory in some areas, but it is now all dead from EAB and has fallen over. Average ba/acre from 5 plot
	Yellow Birch	8	Pole	6		Black Spruce	Low	>20 feet	Sapling	
В	Balsam Poplar	4	Pole/Log	8		Balsam Fir	Low	Variable	Sapling	
	Paper Birch	2	Pole/Log	8	_		,	,	'	-
	Hemlock	1	Log	11						
	Balsam Fir	2	Pole/Sapling	5						
Q	Quaking Aspen	4	Pole/Log	8						
North	hern White Cedar	7	Log/Pole	11	123					

Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Balsam Fir 7 Pole 6 Red Maple >20 feet Sapling Low 33 8 67 Red Maple Pole/Log White Spruce Trace Variable Sapling Paper Birch 17 Pole/Log 8 White Ash Trace Variable Sapling 2 12 Quaking Aspen Log Beech Trace Variable Sapling Basswood 2 14 Balsam Fir Medium Variable Sapling Log Northern White Cedar 35 Log/Pole 10 67 Michigan Holly Medium 5 - 10 feet Tall Shruk 2 8 White Spruce Pole/Loa Black Ash Trace Variable Sapling Balsam Poplar 1 Log/Pole 11 Nannyberry Low 5 - 10 feet Tall Shruk 8 American Elm 1 Pole/Log Yellow Birch Trace Variable Sapling Paper Birch Low Variable Sapling 10 - 20 feet Tall Shrub Tag Alder Medium American Elm Trace Variable Sapling Black Ash Low < 5 feet Seeding

Very wet lowland stand that is poorly stocked in many areas. Black ash used to be the dominant tree species in the stand but it is now all dead from EAB. Quality is generally low for most species although there are a few upland pockets, in the south half of the stand, where the maple and birch are larger in diameter (see 98DOQ imagery for upland areas). The far southeast part of the stand has a lot of standing water and appears to be the headwaters for a spring that flows east into the adjacent L type. Trace of yellow birch (pole), white pine (log/Xlog), and black spruce (pole). Average ba/acre from 8 plots = 73 square feet. The previous stand examiner indicated that this stand was harvested at one time and most of the larger trees are residual left after the cut. I couldn't find any sale records nor any indication of a past harvest from on the ground observations or imagery, with the possible exception of the small areas of upland at the south edge of the stand.

64	4130	- Aspen		Poletim	ber Well	11.7	48	141-170	N/A	
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Car	ору Spec	ies Density	Avg. Height	Size
	Bigtooth Aspen	20	Pole/Log	9	48	Bal	sam Fir	Low	Variable	Sapling
	Sugar Maple	10	Pole/Sapling	g 6		В	eech	Trace	Variable	Sapling
	Red Maple	16	Pole/Sapling	g 6	48	Iro	nwood	Trace	Variable	Sapling
	White Ash	3	Pole	7		Suga	ar Maple	Medium	>20 feet	Sapling
	Balsam Fir	6	Pole/Sapling	g 6		Red	d Maple	Medium	>20 feet	Sapling
	Quaking Aspen	45	Pole/Log	8	48	Wh	ite Ash	Low	>20 feet	Sapling

Nice stand of aspen with a significant hardwood component. Most ash are dead but there are still some merchantable stems that are hanging on. Wet drainages run north-south through the middle of the stand and the eastern 1/4 of the stand is seasonally wet with pit and mound topography. Trace of paper birch (pole/sap), elm (pole), and hemlock (log/xlog). Average ba/acre from 6 plots = 145 square feet. Browse is a serious impediment to successful natural regeneration in this area, as evidenced by adjacent stands to the north. Manage this stand together with stand 59 to the south when that becomes available for management. Exclude all drainages and wet areas.

111-140

N/A

N/A

N/A

Compartment: 10 Year of Entry: 2025



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age BA Range	Managed Site	General Comments

48

48

50.0

15.7

2.2

52

65	4134 - Asper	n, Spruce	/Fir Po	Poletimber Well		
	Canopy Species	% Cover	Size Class	DBH	Age	
	Balsam Fir	22	Pole/Sapling	5		
	Quaking Aspen	43	Pole	7	48	
	Sugar Maple	4	Pole/Sapling	5		
	Red Maple	15	Pole/Sapling	6		
	Bigtooth Aspen	12	Pole/Log	8		
	Paper Birch	2	Pole/Sapling	6		
	Balsam Poplar	2	Pole/Log	8		
	'					

	_		
Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Ironwood	Trace	Variable	Sapling
American Elm	Trace	Variable	Sapling
White Ash	Low	Variable	Sapling
Paper Birch	Trace	>20 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling
Tag Alder	Trace	10 - 20 feet	Tall Shrub
Red Maple	Medium	>20 feet	Sapling
Beech	Trace	Variable	Sapling

Moderate quality aspen stand which could be split into 2 stands based on site quality. The west half of the stand has a large hardwood influence, including some areas of excellent sugar maple regeneration. The southwest corner next to the old landing has a small area (roughly 1-2 acres) that is nearly pure hardwoods with less of an aspen component. The east half of the stand is lower site quality and has a large amount of fir (see CIR imagery). Aspen diameters vary considerably throughout, with many areas still in the 6-7" diameter range, likely a result of the varying site quality and competing vegetation in the canopy. Trace of elm, basswood, black cherry, yellow birch, white pine, and white spruce poletimber. Trace of residual cedar and hemlock that were not cut the last time the stand was clearcut. Average ba/acre from 21 plots = 124 square feet. Mostly flat terrain, however there are some north-south running swales in the east half of the stand that are wet. In addition, there are numerous other vernal pools and drainages scattered throughout the stand, including an east/west running seasonal stream at the northeast end of the stand (see site conditions laver). Hold ten years to let the aspen put on more growth. When treating, exclude all wet areas, streams, and vernal pools.

66	4119 - Mixed Nort	hern Har	dwoods Po	letimb	er Well
	Canopy Species	% Cover	Size Class	DBH	l Age
	Red Maple	28	Pole/Sap/Log	6	48
	Basswood	1	Pole	7	
	White Ash	4	Pole/Log	8	
	Yellow Birch	1	Pole	6	
	Sugar Maple	32	Pole/Sapling	5	48
	Ironwood	5	Pole/Sapling	5	
	Hemlock	2	Log/XLog	15	
	Black Cherry	1	Pole	7	
	Paper Birch	7	Pole/Sapling	6	
	Pin Cherry	1	Pole	6	
	Bigtooth Aspen	2	Log	11	
	Quaking Aspen	15	Log/Pole	10	
	Balsam Poplar	1	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Trace	>20 feet	Sapling
Red Maple	Medium	>20 feet	Sapling
Sugar Maple	High	>20 feet	Sapling
Beech	Trace	Variable	Sapling
White Ash	Trace	>20 feet	Sapling
Ironwood	Low	>20 feet	Sapling

111-140

This stand was clearcut at the same time in 1975 as adjacent stands 64, 76, and 77 and regenerated very well to hardwoods. Some species diversity is present but overall it is dominated by red and sugar maple. Sugar maple is common in the south half of the stand while the north half transitions to more red maple. Most white ash are dead but there are a few merchantable stems, including some of sawlog size, that are still alive. Average ba/acre from 10 plots = 126 square feet. This stand will be available for a thinning in the future, possibly next entry if the trees put on enough growth.

67	6113 - Lov	νla	le i	Poletimber We			
Cano	py Species	%	6 Cover	Size Class		DBH	Age
Northern	White Cedar		1	Log/Pole		11	
Red	d Maple		72	Pole/Sap/Log	g	7	52
Quaki	ng Aspen		25	Log/Pole		10	
Bal	sam Fir		2	Pole		5	

	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	Low	Variable	Sapling
Ī	Red Maple	Full	>20 feet	Sapling
	Michigan Holly	Medium	5 - 10 feet	Tall Shrub
	Black Ash	Trace	< 5 feet	Seeding
	Tag Alder	Trace	10 - 20 feet	Tall Shrub
	Beech	Trace	Variable	Sapling

81-110

Small stand dominated by red maple that is a mix of upland and lowland. The north and west ends of the stand are seasonally wet. The middle of the stand has a wet pocket with lots of holly growing underneath the maple. The southeast end of the stand is an upland knob with larger diameter, older red maple. Trace of white spruce (pole) and balsam poplar (pole). Average ba/acre from 4 plots = 88 square feet. With the exception of the upland knob at the southeast end, it looks like the rest of this stand may have been cut when adjacent stand 76 to the east was clearcut. However, the majority of this stand is now too wet to operate in and should be left unmanaged.



Stand	Level 4 Cover Type	Size Density	Acres Stand Age B	Managed 9	Site	General Comments		
68	6220 - Alder/willow	Nonstocked	5.2 Ur	nspecified	No		This stand appears to be periodically flooded by beavers. It looks like it	
			Sub-Canopy Species	Density	Avg. Height	Size	has been dry for a few years now which has allowed some younger alder and willow to grow in.	
			Tag Alder	Medium	Variable	Tall Shrub	and milen to great in.	
			Red Maple	Trace	Variable	Sapling		
			Balsam Fir	Trace	< 5 feet	Seeding		
			Willow spp.	Medium	< 5 feet	Tall Shrub		
			Leatherleaf	Medium	< 5 feet	Tall Shrub		
			Red Maple	Trace	>20 feet	Pole		
69	3105 - Mixed Upland Herbaceous	Nonstocked	3.8 Ur	nspecified	Managed O	pening	This opening looks like it was mowed or planted in the past, although it	
			Sub-Canopy Species	Density	Avg. Height	Size	must have been several years ago as the berm and closed road leading to the stand is becoming slightly overgrown. Lots of spotted knapweed	
			Balsam Fir	Low	Variable	Sapling	throughout the field. The east side of the stand is not managed and has	
			White Spruce	Trace	>20 feet	Log	scattered clumps of spruce/fir and some cherry.	
			Mixed Grasses	Full	Unspecified	Non-Wood		
			Spotted Knapweed	High	Unspecified	Non-Wood		
			White Spruce	Low	Variable	Sapling		
			Balsam Fir	Low	>20 feet	Pole		
			Bracken Fern	Medium	Unspecified	Non-Wood		
			Autumn Olive	Trace	5 - 10 feet	Tall Shrub		
			Balsam Fir	Low	>20 feet	Log		
			Black Cherry	Low	>20 feet	Tall Shrub		
70	3303 - Mixed Low Density Trees	Nonstocked	10.5 Ur	No		This stand was clearcut in 1996 in the sale Poplar Spot Sale (Georgia		
			Sub-Canopy Species	Density	Avg. Height	Size	Pacific, #53-005-95) but failed to regenerate due to deer and elk browse. An elk exclosure is in the east half of the stand and shows the severity of	
			Paper Birch	Low	10 - 20 feet	Sapling	browse damage that has occurred. Inside the exclosure is a fully-stocked	
			Quaking Aspen	Low	>20 feet	Pole	mix of quaking aspen and paper birch. The fence is falling down in	
			Balsam Poplar	Trace	< 5 feet	Seeding	places. Outside of the exclosure, heavy browse is still evident on almost any species that is trying to seed in (even the cherry!), with the exception	
			Bigtooth Aspen	Trace	>20 feet	Log	of the fir and oddly enough, the paper birch. There are several narrow	
			Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	north-south running wet drainages in the stand and most have a bit of	
			White Spruce	Trace	Variable	Sapling	birch regeneration in them (see site conditions layer and leaf-off imagery for drainage locations). I have seen this situation in other places of the	
			Quaking Aspen	Low	< 5 feet	Seeding	PRC where paper birch on upland soils is heavily browsed but largely left	
			Balsam Fir	Low	Variable	Sapling	alone when growing in lowland soils. There must be something in the	
			Ironwood	Trace	5 - 10 feet	Sapling	lowland soils that makes the birch unpalatable to deer and elk. Trace of Siberian crabapple in the stand.	
			Balsam Fir	Low	>20 feet	Pole	опролит отарарріє ін ше этапа.	
			Willow spp.	Trace	< 5 feet	Tall Shrub		
			Paper Birch	Trace	>20 feet	Pole		
			Autumn Olive	Trace	5 - 10 feet	Tall Shrub		
			Black Cherry	Medium	< 5 feet	Tall Shrub		
		ļ.					+	



Stand	Level 4 Co	vel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments																								
71	4191 - Mixed Upla Co	and Decidu nifer	ous with Po	Poletimber W		Poletimber We		Poletimber Wel		Poletimber Well		Poletimber Well		Poletimber Well		Poletimber Well		Poletimber Well		Poletimber Wel		Poletimber W		14.7	35	81-110	N/A		Mixed species stand that was cut in 1988 at the same time as stand 57 to the west in the sale Osmun Tri-Block Aspen, cut by Chris Riker. Aspen
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	did not regenerate nearly as well in this stand, although it is still the mo common species. Clumps of hemlock, with some cedar mixed in, were																		
	White Ash	1	Pole	5		Wh	nite Ash	Medium	Variable	Sapling	left and are mostly in the northeast part of the stand. A few larger red																		
	Basswood	1	Log/Pole	12		Red	d Maple	Medium	>20 feet	Sapling	maple and fir can be found near the hemlock clumps as well. A couple of																		
	Hemlock	5	Log/XLog/Pole	15		Michi	igan Holly	Trace	5 - 10 feet	Tall Shrub	residual basswood at the north end. Trace of white spruce and paper birch. Average ba/acre from 6 plots = 92 square feet. Mostly flat terrain. A																		
No	rthern White Cedar	2	Log/Pole	11		Sug	ar Maple	Low	>20 feet	Sapling	few wet pockets are present in the stand but not easily distinguishable on																		
	Red Maple	19	Pole/Sapling	6		Bal	sam Fir	High	Variable	Sapling	imagery. This stand may be ready next entry, although the heavy fir																		
	Balsam Poplar	2	Pole	7		Pap	er Birch	Trace	>20 feet	Sapling	competition seems to be slowing the aspen growth. Protect all wet areas																		
	Balsam Fir	31	Pole/Sapling	5		Iro	nwood	Trace	Variable	Sapling	when a harvest is prescribed.																		
	Quaking Aspen	38	Pole	6	35																								
						Wh Bal Ta	d Maple lite Pine sam Fir g Alder lier Dogwood	Trace Trace Low Medium Medium	Variable Variable Variable 5 - 10 feet Variable	Sapling Sapling Sapling Tall Shrub Tall Shrub	stand but it's difficult to tell as the stand is snow-covered at the moment.																		
73	4130	- Aspen	Po	letimb	er Well	Wh Bal Ta	ite Pine Isam Fir g Alder ier Dogwood	Trace Low Medium	Variable Variable 5 - 10 feet	Sapling Sapling Tall Shrub	Small stand of moderate quality aspen. Previously clearcut by DNR																		
73	4130 · Canopy Species	- Aspen % Cover			er Well	Wh Bal Ta Red Osi	ite Pine Isam Fir g Alder ier Dogwood	Trace Low Medium Medium	Variable Variable 5 - 10 feet Variable	Sapling Sapling Tall Shrub																			
73						Wh Bal Ta Red Osi 3.7 Sub-Car	ite Pine Isam Fir g Alder ier Dogwood	Trace Low Medium Medium 111-140	Variable Variable 5 - 10 feet Variable N/A	Sapling Sapling Tall Shrub Tall Shrub	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of																		
	Canopy Species	% Cover	Size Class	DBH		Wh Bal Ta Red Osi 3.7 Sub-Car	ite Pine Isam Fir g Alder ier Dogwood 45 nopy Species	Trace Low Medium Medium 111-140 Density	Variable Variable 5 - 10 feet Variable N/A Avg. Height	Sapling Sapling Tall Shrub Tall Shrub	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118																		
	Canopy Species Sugar Maple	<b>% Cover</b>	Size Class Pole/Sapling	<b>DBH</b>	Age	Wh Bal Ta Red Osi 3.7 Sub-Car Sug. Pap	ite Pine Isam Fir Isa	Trace Low Medium Medium  111-140  Density Medium	Variable Variable 5 - 10 feet Variable N/A Avg. Height >20 feet	Sapling Sapling Tall Shrub Tall Shrub Size Sapling	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118 square feet. This stand slopes gradually down to the north and becomes																		
	Canopy Species Sugar Maple Quaking Aspen	<b>% Cover</b> 15 67	Size Class Pole/Sapling Pole/Log	<b>DBH</b> 6 8 6 5	Age	Wh Bal Ta Red Osi 3.7 Sub-Car Sug. Pap	ite Pine Isam Fir Isa	Trace Low Medium Medium  111-140  Density Medium Trace	Variable Variable 5 - 10 feet Variable N/A Avg. Height >20 feet >20 feet	Sapling Sapling Tall Shrub Tall Shrub Size Sapling Sapling	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118																		
	Canopy Species Sugar Maple Quaking Aspen Paper Birch	% Cover 15 67 3	Size Class Pole/Sapling Pole/Log Pole/Sapling	<b>DBH</b> 6 8 6	Age	Wh Bal Ta Red Osi 3.7 Sub-Car Sug- Pap Bal	ite Pine Isam Fir g Alder ier Dogwood  45  nopy Species ar Maple per Birch Isam Fir	Trace Low Medium Medium  111-140  Density Medium Trace Medium	Variable Variable 5 - 10 feet Variable  N/A  Avg. Height >20 feet Variable	Sapling Sapling Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118 square feet. This stand slopes gradually down to the north and becomes wet along the north edge. Prescribe another manual wildlife cut next																		
	Canopy Species Sugar Maple Quaking Aspen Paper Birch Balsam Fir	% Cover 15 67 3 1	Size Class Pole/Sapling Pole/Log Pole/Sapling Pole	<b>DBH</b> 6 8 6 5	Age	Wh Bal Ta Red Osi 3.7 Sub-Car Sug Pap Bal Rec	ite Pine Isam Fir g Alder ier Dogwood  45  nopy Species ar Maple per Birch Isam Fir d Maple	Trace Low Medium Medium  111-140  Density Medium Trace Medium Trace	Variable Variable 5 - 10 feet Variable  N/A  Avg. Height >20 feet Variable >20 feet	Sapling Sapling Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling Sapling	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118 square feet. This stand slopes gradually down to the north and becomes wet along the north edge. Prescribe another manual wildlife cut next																		
	Canopy Species Sugar Maple Quaking Aspen Paper Birch Balsam Fir Bigtooth Aspen	% Cover 15 67 3 1 5	Size Class Pole/Sapling Pole/Log Pole/Sapling Pole Log/Pole	6 8 6 5	Age	Wh Bal Ta Red Osi  3.7  Sub-Car Sug Pap Bal Red E	ite Pine Isam Fir g Alder ier Dogwood  45  nopy Species ar Maple per Birch sam Fir d Maple Beech	Trace Low Medium Medium  111-140  Density Medium Trace Medium Trace Low	Variable Variable 5 - 10 feet Variable  N/A  Avg. Height >20 feet Variable >20 feet Variable >20 feet Variable	Sapling Sapling Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling Sapling Sapling	Small stand of moderate quality aspen. Previously clearcut by DNR personnel to serve as a wildlife cut. Good sugar maple component that increases in abundance the further west you go in the stand. Most white ash is dead but there are still a few stems that appear to be alive. Most of the birch is at the far east end. Average ba/acre from 5 plots = 118 square feet. This stand slopes gradually down to the north and becomes wet along the north edge. Prescribe another manual wildlife cut next																		



Stand	Level 4 C	over Type	s S	Size De	nsity	Acres Sta	nd Age BA	Range	Managed \$	Site	General Comments
74	3303 - Mixed L	ow Densit	y Trees	Nonst	cked	2.8	Un	specified	No		Small opening that is slowly filling in with trees of a variety of species,
						Sub-Canopy	Species	Density	Avg. Height	Size	primarily balsam poplar, quaking aspen, and fir. A good shrub component in places. There are scattered invasive honeysuckle and autumn olive
						Quaking A	Aspen	Low	Variable	Sapling	throughout.
						White F	ine	Trace	>20 feet	Pole	
						Blackberry/R	aspberry	Medium	< 5 feet	Tall Shrub	
						Amur Hone	ysuckle	Low	5 - 10 feet	Tall Shrub	
						Balsam	Fir	Low	Variable	Sapling	
						Sugar M	aple	Trace	Variable	Sapling	
						White F	ine	Low		Sapling	
						Balsam P	oplar	Low	< 5 feet	Seeding	
						Black Ch	nerry	Medium	Variable	Tall Shrub	
						White Sp	ruce	Trace	>20 feet	Pole	
						Balsam P	oplar	Medium	Variable	Sapling	
						Autumn (	Olive	Trace	5 - 10 feet	Tall Shrub	
						Bracken	Fern	Medium	Unspecified	Non-Wood	
						Balsam	Fir	Trace	>20 feet	Pole	
						Paper B	irch	Trace	>20 feet	Pole	
						Balsam P	oplar	Medium	>20 feet	Pole	
						Serviceberry (	Juneberry)	Trace	Variable	Tall Shrub	
75	4130	- Aspen	Po	oletimb	er Wel	l 1.7	41	81-110	N/A		Strip cut along the swamp that was done for winter deer browse. Well-
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Canopy	Species	Density	Avg. Height	Size	stocked, although not dominated by aspen in all areas as there are some spots with a heavier component of fir and red maple in the overstory. Site
	Hemlock	1	Log/XLog	16		White A	∖sh	Low	>20 feet	Sapling	quality increases at the east end and is where most of the bigtooth aspen
	Paper Birch	1	Pole/Sapling	6		Balsam	Fir	High	Variable	Sapling	and sugar maple can be found. Some merchantable white ash are still
	White Ash	2	Pole	5		Beec	h	Trace	Variable	Sapling	alive. Trace of sugar maple (pole), cedar (pole/log), and black cherry (pole) in the overstory. Average ba/acre from 4 plots = 93 square feet.
	Bigtooth Aspen	8	Pole/Log	9		Ironwo	od	Trace	Variable	Sapling	Mostly dry ground except for along the north edge.
	Quaking Aspen	52	Pole	8	41	Paper B	irch	Trace	>20 feet	Sapling	
	Red Maple	23	Pole/Sapling	6		Red Ma	ple	High	>20 feet	Sapling	
	Balsam Fir	13	Pole/Sapling	6		Black Ch	nerry	Trace	>20 feet	Tall Shrub	
						Sugar M	aple	Trace	>20 feet	Sapling	
76	4130	- Aspen	Po	oletimb	er Wel	I 8.9	48 1	41-170	N/A		Moderate to high quality aspen stand sitting on a gradual southwest facing slope. Site quality is better in the northeast half of the stand, which
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Canopy	Species	Density	Avg. Height	Size	is where most of the bigtooth aspen and maple is located. The
	White Spruce	2	Log/Pole/XLog			White A	Ash	Trace	>20 feet	Sapling	west/southwest 1/2 of the stand has more quaking aspen and fir. Some
	Sugar Maple	2	Pole/Sapling	5		Balsam	Fir	Medium	Variable	Sapling	scattered large diameter white spruce along the lowland edge. Trace of basswood (pole), paper birch (pole/sap), and white pine (Xlog). Average
	Red Maple	15	Pole/Sap/Log	6		Red Ma	<u> </u>	Medium	>20 feet	Sapling	ba/sacre from 9 plots = 149 square feet.
	Quaking Aspen	50	Pole/Log	8	48	Sugar M	aple	Medium	>20 feet	Sapling	'
	Bigtooth Aspen	20	Log/Pole	10		Black Ch	nerry	Trace	Variable	Tall Shrub	
	Balsam Fir	11	Pole/Sapling	6		White Sp	ruce	Troop	Variable	Sapling	
	Daisaili i ii	11	1 olc/oapiilig	0		Serviceberry (		Trace Trace	Variable	Tall Shrub	



Stand	Level 4 C	over Type	S	Size Density Acres Stand Age BA Range Managed Site		Site	General Comments								
77	77 4191 - Mixed Upland De Conifer		ious with Po	oletimb	er Wel	11.3 48	81-110	0	N/A		This stand was clearcut at the same time as adjacent stands 64 to the north and 76 to the south, and regenerated to a diverse mix of species,				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	ecies Den	sity	Avg. Height	Size	although dominated by red maple and quaking aspen. Aspen tends to be				
	Balsam Fir	10	Pole/Sapling	7		Sugar Maple		ow	>20 feet	Sapling	most numerous at the north and south ends, while the middle part of the stand is the most diverse, with a good component of yellow and paper				
	Sugar Maple	3	Pole/Sapling	7		Paper Birch	Tra	ace	>20 feet	Sapling	birch, as well as several merchantable white ash stems that are still alive.				
	White Ash	2	Pole	7		Red Maple	Hi	igh	>20 feet	Sapling	Diameters are still small on most species with the exception of the quaking aspen. Scattered clumps of residual hemlock are present				
	Hemlock	8	Log/XLog/Pole	15		Balsam Fir	Med	dium	Variable	Sapling	throughout the stand, with a few cedar mixed in here and there. A				
	Quaking Aspen	29	Pole/Log	8	48	White Ash	Lo	ow	>20 feet	Sapling	wetland pocket filled with holly is in the middle of the stand and has white				
	White Pine	2	Log/Pole/XLog	14		Michigan Holl	y Tra	ace	5 - 10 feet	Tall Shrub	pine growing both in it and around the edges. Pit and mound topography				
	Paper Birch	4	Pole/Sapling	7		Yellow Birch	Tra	ace	>20 feet	Sapling	is present throughout the majority of the stand, with some areas holding water permanently, and I'm guessing most of this stand is wet in the				
	Red Maple	39	Pole/Sap/Log	7	48						spring with numerous vernal pools. An old road runs east-west through				
	Yellow Birch	2	Pole/Sapling	6							the middle, some ditches were created to divert water. Average ba/acre				
	Black Cherry	1	Pole	6							from 6 plots = 108 square feet. Most of this stand should be excluded from any future harvest, due to the amount of wet ground that is present				
				•							throughout. Portions of the north and south ends might be suitable f harvest when adjacent stands are prescribed.				
78	4199 - Other Mixe	ed Upland D	Deciduous Po	oletimb	er Wel	2.5 48	81-110	0	N/A		Mixed aspen/hardwood stand. The aspen is generally poor quality. Very				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	ecies Den	sity	Avg. Height	Size	nice advanced sugar maple understory in most parts of the stand. The sugar maple in the overstory is a combination of residual trees that were				
	Red Maple	7	Pole	7		White Spruce	e Tra	ace	Variable	Sapling	left from the previous cut and new ingrowth. The fir and spruce				
	Sugar Maple	32	Pole/Sap/Log	7		Balsam Fir	Tra	ace	Variable	Sapling	component is mostly along the west edge. Trace of elm (pole/sap).				
	Balsam Poplar	7	Pole/Log	9		Sugar Maple	e Hi	igh	>20 feet	Sapling	Average ba/acre from 4 plots = 95 square feet. Let this stand mature and manage for hardwoods.				
	Balsam Fir	7	Pole/Log	8		Serviceberry (June	eberry) Tra	ace	>20 feet	Tall Shrub	Thanage for hardweeds.				
	White Spruce	1	Log	12		Paper Birch	Tra	ace	>20 feet	Sapling					
	Paper Birch	2	Pole	6		Red Maple	Lo	OW	>20 feet	Sapling					
	Black Cherry	2	Pole	6		Black Cherry	/ Lo	ow	>20 feet	Tall Shrub					
	Ironwood	3	Pole/Sapling	5		Ironwood	Med	dium	Variable	Sapling					
	Quaking Aspen	39	Pole/Log	9	48	Autumn Olive	e Tra	ace	5 - 10 feet	Tall Shrub					
79	6112 - Lo	wland Aspe	en Po	oletimb	er Wel	3.8 43	81-110	0	N/A		Variable stand with a lot of wet ground. The east half of the stand is very wet and seems to be a connecting drainage between stands 29 to the				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	ecies Den	sity	Avg. Height	Size	north and 44 to the south. Aspen is dominant in the east half of the stand				
	Basswood	5	Log/Pole	13		Balsam Fir	Med	dium	Variable	Sapling	with a heavy black ash understory. The west half of the stand is more of				
	Balsam Poplar	4	Log/Pole	11		White Ash	Lo	ow	Variable	Sapling	a transition between upland/lowland and is dominated by balsam fir. It				
	Black Cherry	5	Pole	7		Tag Alder	Tra	ace	10 - 20 feet	Tall Shrub	appears that most of the stand was harvested at some time, likely when adjacent stand 42 was cut. Average ba/acre from 5 plots = 98 square				
	Quaking Aspen	40	Pole/Log	9	43	Ironwood	Tra	ace	Variable	Sapling	feet. No management due to the wet soils.				
	Red Maple	4	Pole/Log	8		Black Ash	Med	dium	Variable	Sapling					
	Balsam Fir	35	Pole/Log	8		American Eln	n Tra	ace	Variable	Sapling					
	White Pine	3	Pole	8		Beech	Tra	ace	Variable	Sapling					

Low

Variable

Tall Shrub

4

Pole

Black Cherry

Paper Birch

Compartment: 10 Year of Entry: 2025



Stand	Level 4 C	over Type	s	Size Density	Acres Stand Age BA	A Range	Managed S	Site	General Comments			
80	4130	- Aspen	Po	oletimber Well	12.0 43	81-110	N/A		Quaking aspen stand of varying quality, some areas show excellent			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	growth while others do not. Clearcut in 1980 by Richard Wregglesworth. The stand slopes down gently to the east becoming very wet along the			
	Paper Birch	3	Pole/Sapling	6	Paper Birch	Trace	>20 feet	Sapling	east boundary. Red-osier dogwood, heavily browsed and below 3 feet			
	Quaking Aspen 66 Pole/Log 8 4				White Ash	High	Variable	Sapling	tall, becomes common at the ground level in wet areas. Heavy ash			
	Balsam Fir 18 Pole/Sap/Log 6		Sugar Maple	Low	>20 feet	Sapling	understory throughout most of the stand, with some merchantable t that are still alive and appear relatively unaffected by EAB. The sug					
	White Ash	2	Pole	5	Black Cherry	Medium	Variable	Tall Shrub	maple understory is more common in the west half of the stand and the			
	Red Maple	3	Pole	7	Ironwood	Low	Variable	Sapling	are a few small pockets of nearly pure hardwoods along the western			
	White Spruce	1	Pole/Log	8	Red Osier Dogwood	Low	< 5 feet	Tall Shrub	edge next to the old road. Trace of elm (pole), black cherry (pole), white pine (pole), and paper birch (pole) in the overstory. Average ba/acre from			
	Ironwood 2 Pole 5			5	Balsam Poplar	Trace	Variable	Sapling	9 plots = 108 square feet.			
	Sugar Maple	3	Pole/Sapling	5	Balsam Fir	Low	Variable	Sapling				
	Balsam Poplar	2	Pole	8	Serviceberry (Juneberry)	Trace	Variable	Tall Shrub				
				'	Red Maple	Low	>20 feet	Sapling				
					Hazelnut (American)	Trace	5 - 10 feet	Tall Shrub				
					American Elm	Trace	Variable	Sapling				
81	6220 - A	Alder/willow		Nonstocked	4.0 0 Unspecified		No		West McMasters Creek flows through this stand. The stream channel is			
					Sub-Canopy Species	Density Avg. He	Avg. Height	Size	somewhat undefined west of Osmun Road as the drainage/culvert like isn't big enough and is causing the stream to back up, but east of the			
					Quaking Aspen	Trace	>20 feet	Pole	road a defined stream channel is present. West of the road is heavier to			
					Paper Birch	Trace	>20 feet	Sapling	willow with a lot of ash saplings. East of the road is initially heavier to			
					Balsam Poplar	Trace	Variable	Sapling	alder, eventually transitioning to more of a wet meadow/emergent wetland.			
					Tag Alder	High	10 - 20 feet	Tall Shrub				
					Balsam Poplar	Low	>20 feet	Pole				
					Black Ash	Medium	Variable	Sapling				
					American Elm	Trace	>20 feet	Pole				
					Balsam Fir	Low	Variable	Sapling				
					Balsam Fir	Trace	>20 feet	Pole				
					Willow spp.	High	Variable	Tall Shrub				
					American Elm	Trace	Variable	Sapling				
82	6119 - Mixed Lowla	and Decidu	ous Forest Po	oletimber Well	6.9 78	51-80	N/A		Wet lowland hardwood stand of varying quality. A wet drainage runs			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	north-south down the middle of the entire stand (see leaf-off imagery).  The stand becomes slightly drier on both sides of the drainage as the sit			

<b>-</b>								
Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	32	Log/Pole	12		Balsam Fir	Trace	Variable	Sapling
Quaking Aspen	3	Log/Pole/XLog	11		Ironwood	Low	Variable	Sapling
Paper Birch	8	Log/Pole	11		Beech	Medium	Variable	Sapling
Yellow Birch	4	Pole/Log	8		White Ash	Medium	< 5 feet	Seeding
Red Maple	5	Pole	6		White Ash	High	Variable	Sapling
Sugar Maple	39	Pole/Sap/Log	7	78	Black Ash	Low	Variable	Sapling
Beech	6	Pole	6		Sugar Maple	Low	>20 feet	Sapling
Ironwood	1	Pole	5					•

Wet lowland hardwood stand of varying quality. A wet drainage runs north-south down the middle of the entire stand (see leaf-off imagery). The stand becomes slightly drier on both sides of the drainage as the site transitions to upland, but it still appears seasonally wet with pit and mound topography common throughout. There used to be a lot of white ash in the stand but it is now all dead due to EAB. As a result, stocking is low in several areas. Sugar maple is the most common species but is stunted and not growing well due to the wet soils. Basswood, on the other hand, is growing much better. The elm is mostly healthy with a few sawtimber trees present. Average ba/acre from 7 plots = 77 square feet. No management due to the wet soils.

American Elm

2

Pole/Log

Compartment: 10 Year of Entry: 2025



Stand	Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site				Site	General Comments								
83	4134 - Aspe	en, Spruce	/Fir Po	oletimb	er We	ell 2.7	47	111-140	N/A		This stand was clearcut, along with stands 2 and 86, by DNR staff in				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-	Canopy Species	Density	Avg. Height	Size	1976 for winter deer browse. It regenerated primarily to aspen and fir.  Most ground appears dry except for the far southern end which becomes				
	Red Maple			ugar Maple	Low	>20 feet	Sapling	wet. Trace of paper birch (pole/sap) and cedar (log). Average ba/acre							
	Quaking Aspen	48	Pole/Log	8	8 47 White Ash Low Variable Sapling		from 2 plots = 135 square feet. Exclude wet areas from any future								
	Balsam Poplar	4	Pole	8			Red Maple	Trace	>20 feet	Sapling	harvesting (hard factor). Manage with stand 4 when that is cut again.				
	Balsam Fir	37	Pole/Sapling	6			Balsam Fir	High	Variable	Sapling					
	Hemlock	1	Log/XLog	15											
	Sugar Maple	7	Pole/Sapling	5											
84	6111 - Lowlan	d Balsam F	Poplar Sav	vtimber	Medi	um 3.2	72	51-80	N/A		Mixed species stand sitting on very wet ground. Best stocking is along				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-	Canopy Species	Density	Avg. Height	Size	the west edge where the stand transitions to upland and is slightly drier.  The middle part of the stand is poorly stocked and has standing water.				
	Red Maple	4	Log/Pole	12		A	merican Elm	Trace	Variable	Sapling	Black ash used to be the dominant species in this part of the stand but is				
	Balsam Fir	5	Pole	6		merican	Highbush Cranbo	err Trace	5 - 10 feet	Tall Shrub	now all dead and fallen over. Due to the snow, it's unclear if a stream				
No	rthern White Cedar	19	Log/Pole/XLog	12		Red	Osier Dogwood	Trace	5 - 10 feet	Tall Shrub	asses through this stand or if it is just a drainage. The highbush ranberry is at the north edge adjacent to Clute Road. Average ba/acre				
	Sugar Maple 3		Pole/Log	8			Tag Alder	Trace	Variable	Tall Shrub	from 5 plots = 74 square feet.				
	Quaking Aspen	3	Log	14			Black Ash	High	Variable	Sapling					
	Balsam Poplar	43	Log/Pole	11	72		White Ash	Low	Variable	Sapling					
	Basswood	19	Log/XLog/Pole	13			Balsam Fir	Low	Variable	Sapling					
	White Spruce	4	Log/Pole	11				·			-				
85	6130 - Fir,	Aspen, Ma	pen, Maple Sapling Well			2.8	2.8 36 51-80				Mixed species lowland stand with a small stream running east-west through the middle. Lots of small diameter stems in the stand however I see no evidence, nor are there any sale records, for a past harvest in this				
	Canopy Species	% Cover	Cover Size Class		DBH Age		-Canopy Species Density		Avg. Height Size						
No	rthern White Cedar	8	Pole/Log	8		\	Willow spp.	Low	>20 feet	Tall Shruk					
	Balsam Poplar	28	Pole	7			Balsam Fir	High	Variable	Sapling	due to the wet ground and the stream influence.				
	Paper Birch	21	Sapling/Pole	4			Tag Alder	Medium	10 - 20 feet	Tall Shruk					
	Quaking Aspen	4	Pole/Sapling	5			Black Ash	Low	Variable	Sapling					
	Balsam Fir	36	Sapling/Pole	4	36					,	-				
	White Spruce	3	Pole/Log	8											
86	42330 -	Upland Fir	Po	Poletimber We		ell 5.2	47	111-140	N/A		This stand was clearcut by DNR staff in 1976 for winter deer browse. It				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-	Canopy Species	Density	Avg. Height	Size	regenerated primarily to fir although there are a few small pockets with a nice hardwood representation. Mostly upland except for some wetter				
	Quaking Aspen	9	Pole/Log	8	47	S	ugar Maple	Medium	>20 feet	Sapling	ground along the west edge. There is also a small drainage at the far				
	White Ash	1	Pole	6			White Ash	Low	Variable	Sapling	southeast end of the stand. Most merchantable white ash are dead from				
	Paper Birch	5	Pole/Sapling	5			Ironwood	Trace	Variable	Sapling	EAB but there appears to still be a couple that are alive. Trace of white pine (log/pole) and cedar (log) in the overstory. Average ba/acre from 4				
	White Spruce	1	Pole/Log	8		F	Paper Birch	Trace	>20 feet	Sapling	plots = 135 square feet. Manage together with stand 4 to the south.				
	American Elm	1	Pole	8			Red Maple	Low	>20 feet	Sapling					
	Balsam Poplar	5	Pole/Log	8			Balsam Fir	Medium	Variable	Sapling					

65

10

3

Pole/Sap/Log

Pole/Sapling

Sapling/Pole

Balsam Fir

Red Maple

Sugar Maple

7 47

6

4



Stand	Level 4 C	over Type	S	Size Density		Acres	Stand Age B	A Range	Managed S	Site	General Comments				
87	4319 - Mixed	Upland Fo	orest Po	Poletimber Well		3.9	83	111-140			Two-aged stand of large, overmature aspen with a younger age class of				
	Canopy Species	% Cover	Size Class	DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	spruce and fir that is now recruiting into the overstory. The fir is dense in many areas. The aspen is mostly low quality and full of rot, serving well				
	White Spruce	6	Pole/Log	8		Ва	lsam Fir	Full	Variable		as wildlife trees. Random component of scattered sugar maple. A few				
Balsam Poplar Quaking Aspen		3	Log	12		White Ash		Low	>20 feet	Sapling	merchantable white ash are still alive. Mostly an upland stand that slopes down to the southwest, becoming wet along the edges. It looks like this stand may have been harvested long ago as there are old cedar stumps				
		40	Log/XLog/Pole	Log/Pole 14 83		Whi	te Spruce	Trace	Variable	Sapling					
	White Ash	1	Pole	6						-	in places. Trace of cedar (log) and white pine (log) in the overstory.				
	Paper Birch	1	Log	11							Average ba/acre from 5 plots = 124 square feet. A railroad grade runs				
	Red Maple	3	Pole	7							north-south through the west end (see 98DOQ imagery). This stand is available for harvest and could be treated with stand 81 in Compartment				
	Bigtooth Aspen	2	Log/Pole/XLog	11							11 when that is prescribed.				
	Balsam Fir	40	Pole	6	42						'				
	Sugar Maple	4	Pole/Log	8											
88	4199 - Other Mixe Canopy Species			Poletimber Well  DBH Age		2.0 Sub-Ca	48 nopy Species	51-80 Density	N/A Avg. Height	Size	This stand was clearcut at the same time as stand 98 to the south but regenerated well to sugar maple. There is still a decent aspen component but hardwoods are dominant. Diameters on the sugar maple are still				
	Canopy Species	anopy Species % Cover Size CI		ss DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size					
	Quaking Aspen	28         Pole/Log         8         48           52         Sapling/Pole         4         48		8	48	Re	d Maple	Trace	>20 feet	Sapling	small and just approaching merchantability in most places. A few				
	Sugar Maple			Paper Birch		Trace	>20 feet	Sapling	scattered residual hemlock and cedar throughout.						
	Paper Birch	5	Pole/Sapling	5		White Ash		Low	Variable	Sapling					
	Balsam Poplar	2	Pole	8		Ironwood		Low	Variable	Sapling					
	White Ash	1	Pole/Sapling	6		Sug	jar Maple	High	>20 feet	Sapling					
	Red Maple	3	Pole	6											
	Ironwood	4	Pole/Sapling	5											
	Basswood	2	Pole	6											
	Hemlock	2	Log/XLog	16											
No	thern White Cedar	1	Log	14											
89	4134 - Aspe	en, Spruce	/Fir Po	letimb	er Well	6.9	48	111-140	N/A		Aspen stand of varying size and quality. The south edge of the stand has				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	a heavy fir component and the aspen in this area is barely merchantable.  Aspen diameters increase along the north edge of the stand as the fir				
No	thern White Cedar	1	Log	13		Re	d Maple	Low	>20 feet	Sapling	component diminishes and site quality becomes better. Some pockets of				
	White Spruce	1	Pole	6		Ва	lsam Fir	Medium	Variable	Sapling	very good maple regeneration along the north edge of the stand. The				
	Balsam Fir	27	Pole/Sapling	5		Sug	jar Maple	Medium	>20 feet	Sapling	northeast portion of the stand is an area of seasonally wet ground that forms a drainage, heading south/southeast into stand 4. Pit and mound				
Sugar Maple		3	Pole/Sapling	5		Iro	onwood	Medium	Variable	Sapling	topography is present in this area and vernal pools are likely to occur in				

Low

Trace

Trace

Variable

Variable

>20 feet

Sapling

Sapling

Sapling

square feet.

Report 7 - Stands

topography is present in this area and vernal pools are likely to occur in the spring. A few residual cedar are scattered throughout the stand as

well as a handful of large diameter hemlock. The far west end of the

stand has some large diameter trees, notably a few high quality white

Trace of paper birch (pole/sap). Average ba/acre from 10 plots = 113

spruce bordering the U type (stand 53). Most larger ash have died from EAB but there still may be a few hanging on, in the 5-7" DBH range.

Bigtooth Aspen

Quaking Aspen

Balsam Poplar

Red Maple

8

53

1

6

Pole/Log

Pole

Pole

Pole

8

7

8

6

48

White Ash

Beech

Paper Birch



Stand	d Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		General Comments										
90	<b>0</b> 42330 - Upland Fir		Pole	timbe	r Mediur	n 1.8	48	1-50	N/A		This stand was clearcut at the same time as adjacent stand 98 to the			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca			Size	west but beavers have removed all of the aspen and fir has taken over.  There are several non-forested areas mixed in throughout. A small wet				
	Quaking Aspen	5	Pole/Log	8	48	W	White Ash		< 5 feet	Seeding	drainage passes south/southeast through middle of the stand. Average			
	Balsam Poplar		Pole/Sapling	g 6		Beech		Low	Variable	Sapling	ba/acre from 3 plots = 50 square feet. No management at this time. This			
	White Ash		Pole	6		Black Cherry		Low	Variable	Tall Shrub	stand serves well as a stream buffer.			
	White Spruce 5 Po		Pole/Log	8		Balsam Fir		Medium	Variable	Sapling				
	Balsam Fir	77	Pole/Sap/Log	6	48	W	hite Ash	Low	Variable	Sapling				
	Ironwood	2	Pole	5		Ir	onwood	Low	Variable	Sapling				
	Red Maple	8	Log/Pole	12							-			
91	4130	- Aspen	Po	oletimber Well		4.2	46	111-140	N/A		Narrow strip of moderate quality aspen bordering a swamp edge. The			
	Canopy Species	% Cover	Size Class	DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	north 1/4 of the stand is nearly pure hardwoods (mostly red maple) without much aspen. Trace of pin cherry. Average ba/acre from 6 plots =			
	Quaking Aspen	48	Pole/Log	8	46	Pa	per Birch	Trace	>20 feet	Sapling	113 square feet.			
	Balsam Fir 9 Pole 6			W	hite Ash	Trace	Variable	Sapling						
	Sugar Maple 5 Pole/Sapling 5			Re	ed Maple	Medium	>20 feet	Sapling						
	Paper Birch	2	Pole/Sapling	6		Sugar Maple		Medium	>20 feet	Sapling				
	Red Maple	21	Pole/Sapling	6			Beech	Trace	Variable	Sapling				
	Bigtooth Aspen	15	15 Pole/Log 8			Balsam Fir		Low	Variable	Sapling				
				'	· · · · ·	Ir	onwood	Low	Variable	Sapling				
						Bla	ck Cherry	Trace	>20 feet	Tall Shrub				
92	4130	0 - Aspen Po			Poletimber Well		46	111-140	N/A		Moderate quality aspen stand that becomes wet along the south and east			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	edges. Some blowdown along the southern edge. Trace of black cherry and paper birch (pole). Average ba/acre from 4 plots = 113 square feet.			
	Quaking Aspen	69	Pole/Log	8	46	Pa	per Birch	Trace	>20 feet	Sapling	Manage with the stand to the north in Compartment 11 (stand 113).			
	Bigtooth Aspen	10	Pole/Log	8		Ir	onwood	Low	Variable	Sapling				
	Sugar Maple	1	Pole/Sapling	5		Re	ed Maple	High	>20 feet	Sapling				
	Balsam Fir	5	Pole/Sapling	6		Ва	alsam Fir	Low	Variable	Sapling				
	Red Maple	15	Pole/Sapling	6		Su	gar Maple	Low	>20 feet	Sapling				
93	4119 - Mixed No	orthern Har	dwoods Sa	wtimb	er Well	5.5	103	51-80	N/A		Stand thinned in spring/summer of 2016 as part of Big Swale Hardwoods,			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	#53-0015-15-01, Northwest Hardwoods.			
	Beech	3	Log/Pole	10		Su	gar Maple	Low	10 - 20 feet	Sapling				
	Sugar Maple	49	Log/Pole	10	103	Ir	onwood	Low	10 - 20 feet	Sapling				
	Red Maple	18	Log/Pole	10										
				_										

Basswood

30

Log/Pole

12 103



tand Level 4 C	Level 4 Cover Type			nsity	Acres Stand Age BA	Managed S	Site	General Comments				
<b>94</b> 4130	- Aspen	Poletimbe		er Well	3.4 41	81-110	N/A		Moderate quality aspen stand with an excellent understory of sugar			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	maple. The aspen is low quality and less well-stocked in the north half o the stand with a fully-stocked sugar maple understory that is recruiting into the overstory. Aspen quality and stocking increase in the south half,			
Black Cherry	2	Pole	6		Balsam Fir	Trace	Variable	Sapling				
Sugar Maple	20	Sapling/Pole	4		Red Maple	Low	>20 feet	Sapling	and while sugar maple declines somewhat in abundance in the south hal			
Balsam Poplar	2	Pole	8		Black Cherry	Trace	Variable	Tall Shrub	it is still common. Trace of fir (pole) and white spruce (pole). Average ba/acre from 5 plots = 92 square feet. The far south/southwest end of the			
Ironwood	4	Sapling/Pole	4		Sugar Maple	Full	>20 feet	Sapling	stand lies in somewhat of a depression and may be seasonally wet,			
Quaking Aspen	55	Pole/Log	8	41	Ironwood	High	Variable	Sapling	difficult to tell with all of the snow on the ground currently.			
Bigtooth Aspen	10	Log/Pole	10		Beech	Trace	Variable	Sapling				
Red Maple	7	Pole/Sapling	6						1			
<b>95</b> 4134 - Asp		Fir Sa	awtimb	er Well	24 78 1	111-140	N/A		Older aspen stand of varying quality. There are quite a few poor quality			
	en, Spruce/ % Cover	Size Class		er Well		111-140 <b>Density</b>	N/A Avg. Height	Size	Older aspen stand of varying quality. There are quite a few poor quality trees, with lots of rot, that are starting to senesce. However, in some			
Canopy Species Ironwood	•			er Well	2.4 78 1  Sub-Canopy Species  Balsam Fir		N/A  Avg. Height >20 feet	<b>Size</b> Sapling	trees, with lots of rot, that are starting to senesce. However, in some			
Canopy Species	•	Size Class	DBH		Sub-Canopy Species	Density	Avg. Height		trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-			
Canopy Species Ironwood	% Cover	Size Class Pole	<b>DB</b> H		<b>Sub-Canopy Species</b> Balsam Fir	<b>Density</b> High	Avg. Height >20 feet	Sapling	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log)			
Canopy Species Ironwood Paper Birch	% Cover 1 2	Size Class Pole Log	5 12		Sub-Canopy Species  Balsam Fir  Hazelnut (American)	Density High Trace	Avg. Height >20 feet 5 - 10 feet	Sapling Tall Shrub	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log) and black cherry (pole) in the overstory. A couple areas with a good			
Canopy Species Ironwood Paper Birch Balsam Fir	% Cover 1 2 25	Size Class Pole Log Pole/Log	5 12 8		Sub-Canopy Species Balsam Fir Hazelnut (American) Red Maple	Density High Trace Low	Avg. Height >20 feet 5 - 10 feet >20 feet	Sapling Tall Shrub Sapling	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log) and black cherry (pole) in the overstory. A couple areas with a good			
Canopy Species Ironwood Paper Birch Balsam Fir Red Maple	% Cover 1 2 25 7	Pole Log Pole/Log Log/Pole	5 12 8 12	Age	Sub-Canopy Species  Balsam Fir  Hazelnut (American)  Red Maple  Ironwood	Density High Trace Low Low	Avg. Height >20 feet 5 - 10 feet >20 feet Variable	Sapling Tall Shrub Sapling Sapling	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log) and black cherry (pole) in the overstory. A couple areas with a good serviceberry component, some nearly 3-4" DBH. Average ba/acre from 5			
Canopy Species Ironwood Paper Birch Balsam Fir Red Maple Quaking Aspen	% Cover  1 2 25 7 54	Pole Log Pole/Log Log/Pole Log/Pole	5 12 8 12 12	Age	Sub-Canopy Species  Balsam Fir  Hazelnut (American)  Red Maple  Ironwood  White Pine	Density High Trace Low Low Trace	Avg. Height >20 feet 5 - 10 feet >20 feet Variable Variable	Sapling Tall Shrub Sapling Sapling Sapling	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log) and black cherry (pole) in the overstory. A couple areas with a good serviceberry component, some nearly 3-4" DBH. Average ba/acre from 5			
Canopy Species Ironwood Paper Birch Balsam Fir Red Maple Quaking Aspen Sugar Maple	% Cover  1 2 25 7 54 7	Pole Log Pole/Log Log/Pole Log/Pole Log/Pole	5 12 8 12 12 12	Age	Sub-Canopy Species  Balsam Fir  Hazelnut (American)  Red Maple  Ironwood  White Pine  White Spruce	Density High Trace Low Low Trace Trace	Avg. Height >20 feet 5 - 10 feet >20 feet Variable Variable Variable	Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	trees, with lots of rot, that are starting to senesce. However, in some areas the aspen still appears vigorous and healthy. Some hardwoods are scattered throughout, and tend to occur in small clumps, such as at the southeast corner and along the north edge of the stand. A handful of XL-sized red maple are present at the north end. Trace of basswood (log) and black cherry (pole) in the overstory. A couple areas with a good serviceberry component, some nearly 3-4" DBH. Average ba/acre from 5 plots = 122 square feet.			

Trace

Low

Low

Variable

Variable

Variable

Size

Sapling

Sapling

Sapling

Tall Shrub

Sapling

Tall Shrub

Sapling

Sapling

Tall Shrub

Sapling

White Pine

**Black Cherry** 

Ironwood

96	4130	- Aspen	P	oletimb	er Well	7.5	41	111-140	N/A
	Canopy Species % Cover S		r Size Class	DBH Age		Sub-Car	opy Speci	es Density	Avg. Height
	Balsam Fir	5 Po		7		White Spruce		Trace	Variable
	Sugar Maple	Pole/Sapling	5		В	eech	Trace	Variable	
	0 1		Pole/Log	8	41	Bal	sam Fir	Low	Variable
			Pole/Sapling	g 6		Hazelnu	t (American	n) Low	5 - 10 feet
						Red	d Maple	Medium	>20 feet
						Serviceber	ry (Junebe	rry) Trace	Variable
						Suga	ar Maple	Medium	>20 feet

Moderate quality aspen stand. A few small areas of decline and poor quality noted, but not a large percentage overall. Well developed maple understory in places, such as the south end, but not uniform throughout. A few scattered larger diameter trees (paper birch, sugar maple, red maple, and white spruce) along the east edge of the stand adjacent to the two small openings. Trace of ironwood (pole), black cherry (pole), white spruce (pole/log), white pine (pole), sugar maple (log), and paper birch (log). Average ba/acre from 10 plots = 113 square feet. All of this stand is dry except for the far northern edge which dips down into lowland.

Compartment: 10 Year of Entry: 2025



											Year of Entry: 2025		
Stand	Level 4 C	over Typ	e Siz	Size Density		Acres Stand Age BA		BA Range	A Range Managed Site		General Comments		
97	310 - Herbad	ceous Ope	enland N	lonsto	cked	0.4	0 ι	Inspecified	No		An old opening that was likely a landing at some time. It is still relatively		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	open with not much new in-growth, except for some quaking aspen trying to seed in along the edges. An old road, although very overgrown,		
						Ire	onwood	Trace	>20 feet	Sapling	passes north and south through the stand. Too much snow on the ground		
						Quak	king Aspen	Low	< 5 feet	Seeding	to see what the groundcover is but I'm guessing it's mostly bracken fern.		
						Ва	ılsam Fir	Trace	>20 feet	Pole	Two Siberian crabapple trees are present in the stand, still relatively young, in the 10-20 foot range.		
						1	Beech	Trace	Variable	Sapling	young, in the 10-20 look range.		
						Blac	ck Cherry	Trace	Variable	Tall Shrub			
						Ва	ılsam Fir	Trace	Variable	Sapling			
						Whi	te Spruce	Trace	Variable	Sapling			
						WI	hite Pine	Trace	Variable	Sapling			
							Sugar Maple		>20 feet	Sapling			
98	310 - Herbaceous Openland Nonstocker					0.3	0 ι	Inspecified	No		An old opening that was likely a landing at some time. It is still relatively		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	open except for some white spruce which is abundant along the edges.  An old road, although very overgrown, passes north and south through		
						Whi	te Spruce	Low	Variable	Sapling	the stand. Too much snow on the ground to see what the groundcover is		
						Whi	te Spruce	Low	>20 feet	Pole	but I'm guessing it's mostly bracken fern.		
99	4319 - Mixe	d Upland l	Forest Pol	etimb	er Wel	l 7.7	41	81-110	N/A		This stand was clearcut at the same time as adjacent aspen stands 11		
	Canopy Species	% Cove	er Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and 94 but beavers have removed nearly all of the aspen over the years.  A mix of species has regenerated in the stand, with a very good		
	Red Oak	1	Sapling/Pole	4		WI	hite Pine	Low	Variable	Sapling	component of hardwoods. The east half of the stand has relatively steep		
	Ironwood	4	Sapling/Pole	4		Blad	ck Cherry	Medium	Variable	Tall Shrub	slopes leading down to the adjacent lowland. Balsam fir is dominant in		
	Paper Birch	2	Pole/Sapling	5		Pa	per Birch	Trace	>20 feet	Sapling	many areas along the lower parts of this slope, with red and sugar maple being more common on the upper slope. The west half of the stand has		
	Red Maple	22	Pole/Sapling	6		Re	ed Maple	Low	>20 feet	Sapling	more of a gradual slope and composition is heavier to red maple in this		
	White Pine	7	Pole/Sap/Log	6		Ta	ag Alder	Low	10 - 20 feet	Tall Shrub			
	Balsam Fir	33	Pole/Log	8	41	Ва	llsam Fir	Medium	Variable	Sapling	areas scattered throughout with not much regeneration, however many of these areas have a good component of shrubs, American hazelnut in		
	White Spruce	3	Pole/Sap/Log	6		Hazelnı	ut (American)	Medium	5 - 10 feet	Tall Shrub	particular is abundant in the east half. Although relatively rare, there are a		
	Quaking Aspen	6	Pole/Log	9	41	Sug	gar Maple	Trace	>20 feet	Sapling	few residual sawlog-sized sugar maple throughout the stand. Some areas		
	Sugar Maple	22	Sapling/Pole/Log	4		Iro	onwood	Medium	Variable	Sapling	of wet ground can be found along the west side where the stand transitions to lowland. Trace of elm (pole/sap). Average ba/acre from 11		
				•		Sorvicobo	erry (Juneherry	) Trace	Variable	Tall Shrub	transitions to lowiand. Trace of eith (pole/sap). Average ba/acre from 11		

Variable

5 - 10 feet

Variable

Sapling

Sapling

Trace

Low

Trace

Serviceberry (Juneberry)

Beech

White Spruce

uneven-aged approach.

Tall Shrub plots = 82 square feet. With the exception of fir and aspen, most species

in the overstory have a lot of stems that are still sub-merchantable. This stand serves well as a buffer to discourage future beaver activity and

should not be managed at this time. If it is ever prescribed in the future, management should be geared towards hardwoods using a two-aged or