

Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53048
Entry Year 2024
Acreage: 1,851
County Otsego

Management Area: Pigeon River Country

Stand Examiner: Greg Rekowski

Legal Description:

T31N - R01W Sections 2, 11, and 14

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:

Rolling topography throughout most of the Compartment with a mix of sands and sandy-loam soils dominated by the Menominee-Bamfield-Blue Lakes Complex. Lowlands are primarily in Section 14 with either Tawas-Lupton or Tawas-Leafriver mucks as the primary soils.

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

Entirely state-owned lands. Private land borders the southern edge of Section 14.

Unique Natural Features:

An active red-shouldered hawk nest has been documented within the Compartment. Several additional stick nests have been found in the Compartment. Pine marten are known to inhabit hardwood stands in this area. Little brown bat and wood turtle have the potential to occur in this Compartment.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

Hardwood stands 8, 37, 51, and 63 along the west edge of the Compartment are a part of the larger Tin Shanty Dedicated Habitat Area (DHA), which extends west and north into adjacent Compartments.

Watershed and Fisheries Considerations:

Tubb's Creek originates at the southwest end of Section 14 and flows northeast, with additional small tributaries joining at various locations. Tubb's Creek is known to hold brook trout but is currently impounded by several beaver dams.

Wildlife Habitat Considerations:

A Wildlife Biologist will be available for comment at the Compartment Review.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Devonian Berea Sandstone and Bedford and Antrim Shales. The Antrim is quarried for clay/shale and cement products elsewhere in the State. The nearest gravel pit is one and one-half miles to the northwest, and potential is considered good on the upland areas. This area is partially leased for oil and gas development with production from the Niagaran reef trend. Additional Niagaran reefs are likely in the Compartment. The Antrim Shale has been developed and is producing to the south of the Compartment. Natural gas is being drained from State minerals. There is excellent oil and gas potential for known producing formations in this Compartment. However, the entire Compartment is in the Consent Order area and, as provided on page 33 of the Concept of Management, no new leases will be issued in this Area.

Vehicle Access:

The only wheeled vehicle access throughout this Compartment is by way of Sawdust Pile Road, which passes through Section 14 and a small portion of Section 11. All other roads have been closed to the public.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

The North Spur of the Shore-to-Shore equestrian trail as well as the Midland to Mackinaw hiking trail both follow Sawdust

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Pile Road through the Compartment.

Fire Protection:

Access is generally good in case of any fire suppression efforts, although wildfire risk is generally low throughout the Compartment. Most road systems are closed with berms.

Additional Compartment Information:

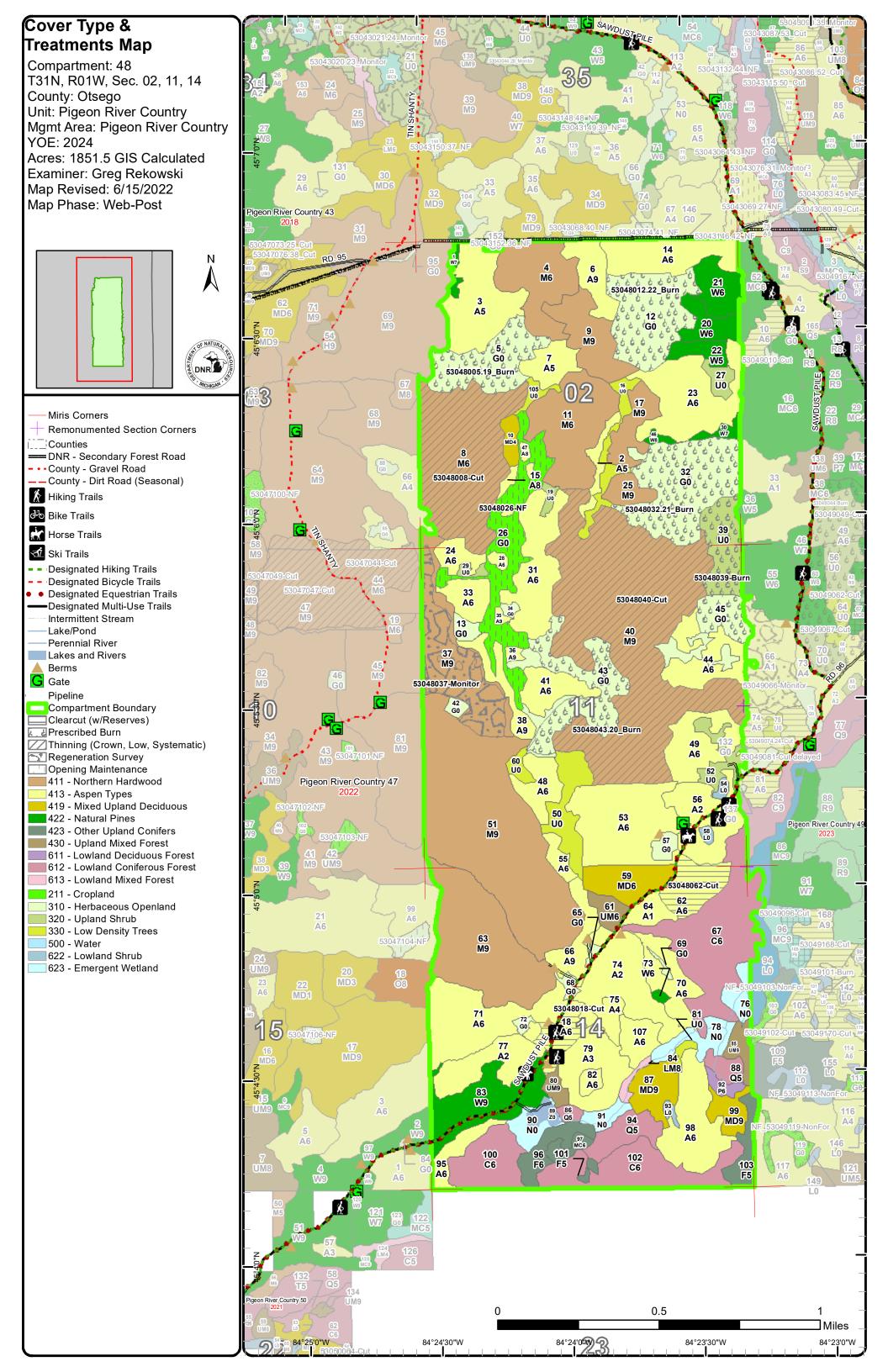
Deer and elk browse has had significant impacts on successful forest regeneration throughout this Compartment since at least the 1970's and shows no signs of getting better. 244 acres of aspen and hardwood stands that were clearcut between the 1970's and today have been converted to non-forested stands. 45 acres of recently clearcut stands are being severely browsed and will likely result in very poorly-stocked stands in the future.

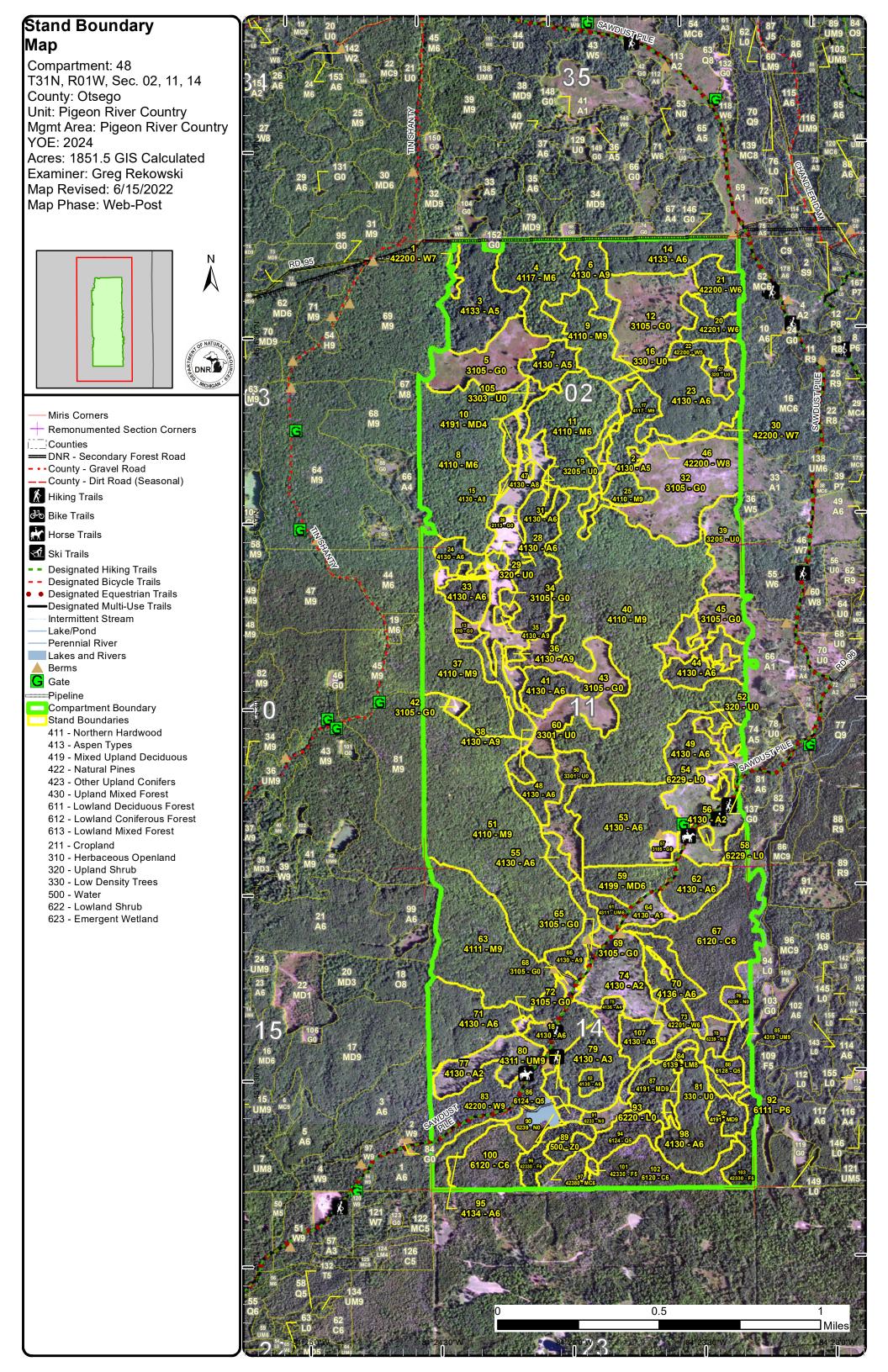
The following reports from the Inventory are attached:

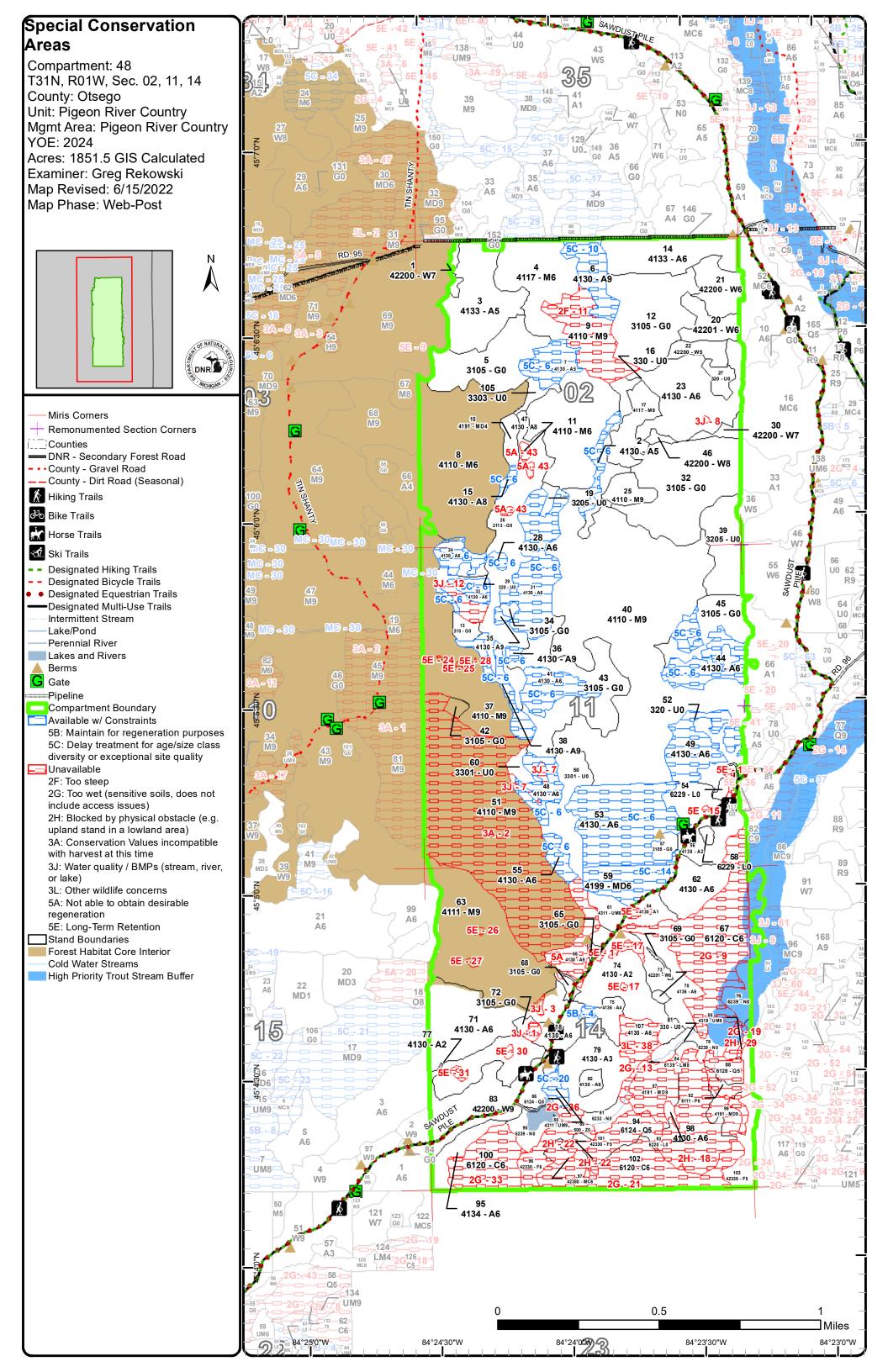
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Greg Rekowski: Examiner

Age Class

	Jack Jack	Kor C	3 / 2			\$ \s		3/8	\$ / 8	R &		8 /8	S Z	£ /\$	NO S		,	St Store	A STATE OF THE STA
Aspen	0	86	0	30	322	16	100	4	26	0	0	0	0	0	0	0	0	0	582
Cedar	0	0	0	0	0	0	0	0	0	0	36	0	0	22	61	0	0	0	119
Cropland	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Herbaceous Openland	196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196
Low-Density Trees	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Aspen/Balsam Poplar	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	0	15	5	0	0	0	0	0	0	0	20
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Marsh	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Mixed Upland Deciduous	0	0	0	0	5	0	0	0	25	0	14	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	0	0	0	0	0	0	24	118	481	0	0	0	0	0	0	623
Upland Conifers	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	0	6	0	10	0	0	0	0	0	0	0	0	0	16
Upland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Upland Spruce/Fir	0	0	0	0	10	0	0	12	0	0	0	0	0	0	0	0	0	0	22
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	1	16	0	11	10	34	0	0	0	0	0	0	0	0	72
Total	345	86	0	30	338	35	110	27	71	73	175	481	0	22	61	0	0	0	1852



Report 2 – Treatment Summary

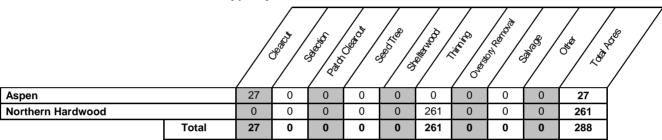
Pigeon River Country Mgt. Unit Year of Entry: 2024

Acres of Harvest

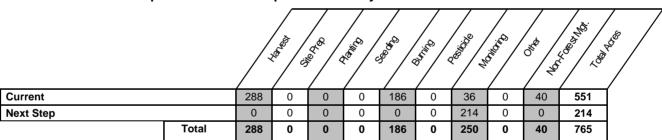
Compartment 48
Total Compartment Acres: 1,851

Commercial Harvest - 288 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: 48 Year of Entry: 2024



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RΔ Treatment Treatment Acres Stand Size Stand **Treatment** Cover Type Age Habitat Method Objective Name CoverType Density Age Range Type Structure Cut

Proposed Treatments:

53048008-Cut 77.8 4110 - Sugar Maple Poletimber 111-Harvest Crown Thinning 411 - Northern Uneven-No Association Well 140 Hardwood Aged

Specs:

Prescription Thin to 80-90 square feet. Focus on removing suppressed poletimber stems. Do not thin multi-stemmed trees, either take them all or do not mark any of them. Cut all beech but leave any large diameter wildlife trees or those that appear resistant from BBD. Do not mark any aspen, oak, white pine, elm, or birch. Leave a few small unmarked pockets in areas that have more aspen. If found, protect stick nests and vernal pools with appropriate buffers.

Next Step

Treatments:

Acceptable Regen:

Other

No new roads. Use the closed road network from the west and south. Deck wood along the edges of the openings to the north and east.

Winter only harvest to minimize damage to the maintained openings. Comment:

Site Condition

Proposed Start Date: 10/1 /2023

53048018-Cut 10.7 4130 - Aspen 111-Harvest Clearcut 413 - Aspen Even-Aged No Poletimber 53 Well 140

Clearcut. Leave all oak and any incidental birch. Leave all red pine and white pine greater than 20" DBH. Mark 1-2 large diameter (>10" Specs:

DBH), poor quality maple and aspen per acre as cut and leave trees to serve as drumming logs. Protect small poletimber and sapling-sized

oak. Winter cut only to try and alleviate browse damage. Monitoring, Natural Regen (Intermediate)

Next Step Treatments:

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

Regen:

Add trail specs as the Shore to Shore trail falls on Sawdust Pile Road.

Other Comment:

Keep the treatment line 100 feet east of the large pond in the portion of the stand west of the road. This area has already been excluded from the treatment boundary. Exclude the area dominated by birch, oak, and maple saplings at the far northeast corner of the stand. This area has already been excluded but will likely change somewhat when sale prep is completed on the ground.

Site Condition

Proposed Start Date: 10/1 /2023

310 -53048026-NF 40.4 2113 - Forage Crops Nonstocked Unspec NonForestMgt Herbaceous/Crop No /Grass Planting Herbaceous Openland

Prescription Maintain the non-forested condition of this stand using either fire, chemical, or mechanical methods.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

Acres

Stand

RΔ

Stand

Size

Treatment

а

n

	Year of Enti	ry: 2024	DNR DR
nent od	Cover Type Objective	Age Structure	Habitat Cut

Meth Name CoverType Density Age Range Type d 39 53048039-32.8 3205 - Mixed Nonstocked Unspec Burn Opening 310 -Nο Burn **Upland Shrub** ified Herbaceous Openland

Treatment

Treatn

Prescription Burn to convert these stands into non-forested G types. These two stands were previously forested but browse eliminated most regeneration after both stands were clearcut. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

183.4 4110 - Sugar Maple Sawtimber Harvest 411 - Northern Uneven-53048040-Cut 111-Crown Thinning No Association Well 140 Hardwood Aged

Prescription Thin to 80-90 square feet. Focus on removing suppressed poletimber stems and poor quality sawlog stems. Do not thin multi-stemmed trees, either take them all or do not mark any of them. Mark most of the ironwood to cut but leave scattered stems for diversity purposes. Cut Specs: all beech but leave any large diameter wildlife trees or those that appear resistant from BBD. Do not mark any aspen, oak, red pine, hemlock, white pine, elm, or birch. There are several areas of lower BA scattered throughout that will not need to be marked in. If found,

Next Step Treatments:

Acceptable Regen:

Other A few steep slopes at the northwest and southeast sides may need to be excluded from the treatment boundary. Comment:

No new roads, utilize the existing road network. Use adjacent openings for landings but deck the wood along the edges. Winter only harvest to minimize damage to the openings.

Site Condition

Proposed Start Date: 10/1 /2023

62 53048062-Cut 16.5 4130 - Aspen Poletimber 52 51-80 Harvest Clearcut 413 - Aspen Even-Aged Nο Well

Prescription Clearcut. No area retention due to the small size of the stand. Leave any incidental white pine, basswood, or red oak. Protect oak saplings, most of which are by the road. Mark to leave 3 larger diameter sugar maple along the west edge of the stand next to the road. Mark 1-2 poor Specs: quality aspen per acre as cut and leave trees to serve as drumming logs. Winter cut only to try and alleviate browse damage, although it likely won't make a difference here.

Monitoring, Natural Regen (Intermediate) Next Step

Treatments:

Regen:

<u>Acceptable</u> Fully-stocked stand dominated by aspen with any additional mix of species being present. If browse results in a less than fully-stocked stand then initiate next step discussions about interplanting or re-starting the stand and planting to red pine.

Other Add trail specs as the Shore to Shore trail falls on Sawdust Pile Trail. Comment:

protect stick nests and vernal pools with appropriate buffers.

Site Condition

Proposed Start Date: 10/1 /2023

Approved Treatments:

5 53048005.19_ Burn	30.0 3105 - Mixed Upland Herbaced	Nonstocked ous	Unspec ified	Burn	Opening	310 - Herbaceous Openland	No
Prescription Prescribe Specs:	e burn to maintain openir	ng					
Next Step Monitoring Treatments:	ng, Other - Specify						
<u>Acceptable</u>							

Regen:

S t

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
Othe Com	er iment:										
Site	<u>Condition</u>										
Prop	osed Start Date:	10/1 /202	23								
12	53048012.22_ Burn	40.2 U	3105 - Mixed pland Herbaceous	Nonstocke	ed	Unspec ified	Burn	Opening	310 - Herbaceous Openland		No
Pres Spec	cription Burn to	maintain o	pening								
	: Step Monitor tments:	ing, Other	- Specify								
Reg		and forbs									
Othe Com	<u>er</u> iment:										
	Condition										
Prop	osed Start Date:	10/1 /202	23								
32	53048032.21_ Burn	51.9 U	3105 - Mixed pland Herbaceous	Nonstocke S	ed	Unspec ified	Burn	Opening	310 - Herbaceous Openland		No
Pres Spec	cription Burn to	maintain o	pening								
	Step Monitor	ing, Other	- Specify								
Acce Rege	eptable Grass a en:	and forbs									
Othe Com	er iment:										
Site	<u>Condition</u>										
Prop	osed Start Date:	10/1 /202	23								
37	53048037- Monitor	36.3 41	10 - Sugar Maple Association	Sawtimbe Well	r 100	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Uneven- Aged	No
Pres Spec	cription cs:										
	: Step tments:										
Acce Rege		and hardw	oods would be ex	pected to fil	l in the	canopy ga	ps.				
Othe Com	er Percen iment:	t to Treat =	100%								
	<u>Condition</u>										
Prop	osed Start Date:	10/1 /202	21								

S t	Pigeon Riv	er Counti	ry Mgt. Unit		Repo	rt 3 1	Treatments		Compartme Year of Enti		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
43	53048043.20_ Burn	31.4	3105 - Mixed Upland Herbaceou	Nonstock	ed	Unspec ified	Burn	Opening	310 - Herbaceous Openland		No
Pres Spec	cription Burn to	maintain	opening								
	Step Monito tments:	ring, Othe	er - Specify								
Acce Rege		and forbs									
Othe Com	e <u>r</u> ment:										
Site	<u>Condition</u>										
Prop	osed Start Date	<u>:</u> 10/1 /2	023								

Total Treatment 551.4 Acreage Proposed:

Compartment: 48

Pigeon River Country Mgt. Unit

Greg Rekowski: Examiner Year of Entry: 2024

Availa	ability for	Managemer	nt											
Total	Acres	Acres Avail	Acres	С	omina	nt Site	e Con	dition	s					
Acres	Available	With Condition	Not Available		5B	5C	2F	2G	2H	ЗА	3J	3L	5A	5E
582	302	209	71	Aspen	2	207			30		10	9	15	7
119	0	0	119	Cedar				113			6			
40	40	0	0	Cropland										
196	196	0	0	Herbaceous Openland										
36	36	0	0	Low-Density Trees										
3	0	0	3	Lowland Aspen/Balsam Poplar				3						
20	0	0	20	Lowland Conifers				20						
2	0	0	2	Lowland Mixed Forest				2						
4	4	0	0	Lowland Shrub										
30	30	0	0	Marsh										
43	5	17	22	Mixed Upland Deciduous		17		2	20					
622	466	0	156	Northern Hardwood			24			131				2
4	0	0	4	Upland Conifers					4					
16	9	4	4	Upland Mixed Forest		4		1	3					
38	38	0	0	Upland Shrub										
22	10	0	12	Upland Spruce/Fir					12					
1	1	0	0	Water										
72	72	0	0	White Pine										
1,851	1,209	229	414	Total Forested Acres	2	228	24	141	69	131	16	9	15	9

Relative Percent

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

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Buffer for large pond	1.					

65%

12%

22%

Pigeon River Country Mgt. Unit

Greg Rekowski: Examiner

2	Unavailable	3A: Conservation Values incompatible with harvest at this time	131	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This stand is a par	t of the Tin Shanty DHA. MNFI s	staff have	visited this stand and in	dicated that it would qualify	vas an ERA (mesic hardwo	ods).
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Vernal pools						
4	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This area has a lot	of oak, birch, and maple advan	ced rege	n and should be exclude	d from the harvest in stand	18.	
5	Unavailable	5A: Not able to obtain desirable regeneration	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Deer and elk brows	se is too high in this area to suc	cessfully	regenerate this stand. Le	et convert to hardwoods ov	er time.	
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	193	Unspecified	Unspecified	Unspecified	Unspecified
	hundreds of acres	se is too high in this area to suc of forested stands into non-fore at opportunities to harvest some ant stands.	sted stan	ds. Several of the smalle	er stands have nice hardwo	ood understories and should	I be allowed to convert to
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This site condition	covers a pond and intermittent	stream/dr	ainage.			

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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Vernal pool buffer						
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	55	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cut next entry with	stand 14 to the east.					
11	Unavailable	2F: Too steep	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This site condition of	covers 3 separate ponds along	with w	et drainages connecting all 3.			
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Pigeon River Country Mgt. Unit

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14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
•	Comments:						
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
17	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	50	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Site condition cove	ers stands 88 and 92, as well as	wet draii	nages which pass through	ı stands 85 and 99.		

Pigeon River Country Mgt. Unit

Greg Rekowski: Examiner

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	48	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stick nest buffer						
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stick nest buffer						
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Seep buffer						
27	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:	_		_	_		_

Pigeon River Country Mgt. Unit

Greg Rekowski: Examiner

28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
38	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Originally a part of	stand 74 to the north but was ex	cluded	from that harvest due to ar	n active stick nest.		

Pigeon River Country Mgt. Unit

Greg Rekowski: Examiner Year of Entry: 2024

43 Unavailable 5A: Not able to obtain 2 Unspecified Un

Compartment: 48

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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				



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 Area	п Туре	Description	HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxyger stocked trout populations and those of other coldwater fish year to year. Coldwater streams in Michigan typically provi contributions of groundwater to their stream flows. Such st designated as trout resources by Fisheries Order 210.	n species (e.g., slimy sculpin) to persist from de these conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosyst influences the aquatic ecosystem and vice-versa. Because streams and open water wetlands, riparian areas harbor a communities are ecologically and socially significant in the as aesthetics, habitat, bank stability, timber production, an	e of the unique conditions adjacent to lakes, high diversity of plants and wildlife. Riparian ir effects on water quality and quantity, as well



Stand	tand Level 4 Cover Type	Level 4 Cover Type 42200 - Natural White Pine						ensity	sity Acres Stand Age BA Range		Managed (Site	General Comments
1	42200 - Nat	ural White F	Pine Sa	wtimb	er Poor	2.4	48	1-50	N/A		Semi-open stand that is filling in with white pine. There are still areas that		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-C	anopy Species	Density	Avg. Height	Size	are basically non-forested, especially the south end. Trace of red oak poletimber. Average ba/acre from 3 plots = 43 square feet. This was		
	Red Oak	1	XLog	24		Bla	ack Cherry	Low	>20 feet	Tall Shrub			
	Quaking Aspen	8	Pole	8		Au	tumn Olive	Trace	5 - 10 feet	Tall Shrub	regenerate well.		
	Sugar Maple	4	XLog/Log	20		I	ronwood	Low	Variable	Sapling			
	White Pine	87	Log/Pole/XLog	12	48	V	/hite Pine	Medium	Variable	Sapling			
2	4130	- Aspen	Pole	timbe	r Mediu	m 5.3	35	81-110	N/A		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-004-		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-C	anopy Species	Density	Avg. Height	Size	84), bought by Champion. It was cut along with adjacent stand 16, but unlike that stand, aspen did successfully regenerate, although there are a		
	Ironwood	7	Pole	5		I	ronwood	Medium	>20 feet	Sapling	few non-forested areas mixed in. The aspen is generally good quality as		
	Quaking Aspen	10	Pole/Log	8		Su	igar Maple	Trace	>20 feet	Sapling	this stand sits on productive soils. The far north end is pretty much a		
	Bigtooth Aspen	76	Pole/Log	8	35	W	itch Hazel	Low	5 - 10 feet	Tall Shrub	clump of witch hazel and ironwood saplings. There used to be some white ash poletimber in the stand but it is now all dead from EAB. Trace		
	White Pine	2	Pole/Log	8		Str	iped Maple	Trace	Variable	Sapling	of basswood sawtimber. Average ba/acre from 6 plots = 85 square feet.		
	Sugar Maple	5	Pole/Log/XLog	8							Rolling terrain that slopes down to the east.		
3	4133 - Aspe	en, Mixed P	ine Pole	timbe	r Mediu	m 34.2	35	81-110	N/A		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-C	anopy Species	Density	Avg. Height	Size	84), bought by Champion. Aspen regenerated moderately well but past inventory notes indicate that elk browse was severe which has resulted in		
	Red Maple	1	Pole	6			Beech	Trace	Variable	Sapling	numerous non-forested areas and areas of low stocking. White pine is		
	Ironwood	2	Pole	5		Su	igar Maple	Low	>20 feet	Sapling	common throughout the stand, typically occurring in clumps. Based on its		
	Bigtooth Aspen	45	Pole	7	35	V	/hite Pine	Medium	Variable	Sapling	size, I'm guessing the white pine stems are residual that weren't cut during the original harvest. Most of the sugar maple appear to be residual		
	Quaking Aspen	25	Pole/Sapling	6		I	ronwood	Medium	Variable	Sapling	stems as well. White ash poletimber used to be a component of the		

Tall Shrub stand but it is now all dead from EAB. Trace of beech, paper birch, and Black Cherry Low Variable red oak poletimber in the overstory. Average ba/acre from 9 plots = 88 Red Maple >20 feet Sapling Trace square feet. Autumn olive is abundant in some localized areas, more so Autumn Olive Medium 5 - 10 feet Tall Shrub at the north and south ends. Rolling terrain. This stand needs at least another 10 years before it will be ready for a harvest but consideration should be made to the high browse pressure in this area which impacted

4	4117 - Mixed N	. Hardwoo	od - Pine	Poletimb	er Wel	32.6	92	81-110	N/A	
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size
	Bigtooth Aspen	11	Log/Pole	13		Stripe	ed Maple	Low	Variable	Sapling
	White Pine	19	Pole/Log/XLo	ng 9		В	eech	Low	Variable	Sapling
	Sugar Maple	41	Pole/Log/XLo	ng 9	92	Iro	nwood	Medium	Variable	Sapling
	Red Pine	3	Log/Pole	13		Autu	mn Olive	Low	5 - 10 feet	Tall Shrul
	Ironwood	1	Pole	5		Wh	ite Pine	Medium	>20 feet	Sapling
	Red Maple	2	Pole/Log	8				'		
	Basswood	20	Log/Pole	12						
					_					

Diverse stand dominated by hardwoods. Hardwood quality is not great although there are quite a few large diameter (18"+) sugar maple seed trees. White pine occurs throughout the stand both individually and in dense clumps. All size classes of white pine are present. Red pine is mostly at the far southern end of the stand in a small clump that looks planted. Aspen is mostly in the northwestern 1/3rd of the stand and there appears to be two age classes present; a younger age class of trees that range from 7-11" DBH and then an older age class that is more prevalent and ranges in diameter from 13-18". A small pocket of blowdown is present at the far northwestern corner adjacent to the G type. Beech is more common along the east side of the stand with most having BBD and appearing close to death. Trace of large diameter quaking aspen and red oak in the overstory. Average ba/acre of the stand from 12 plots = 98 square feet. Terrain is flat in the middle of the stand but slopes down on both the east and west sides, with some steep slopes on the east side. No even-aged management due to the high browse pressure in the area. Let the white pine continue to develop and thin when BAs reach an appropriate level.

the stand significantly the last time it was clearcut. Manage together with

Sugar Maple

White Pine

Beech

3

24

Pole

Pole/Log

Pole/Log

7

8

stand 33 to the north in Compartment 43.



Stan	Stand Level 4 Cover Type			Size De	nsity	Acres	Stand Age B	A Range	Managed :	Site	General Comments
5	3105 - Mixed U	pland Herb	aceous	Nonsto	cked	30.0	U	nspecified	No		This was formerly a mixed aspen/hardwood stand that was clearcut in
						Sub-Ca	nopy Species	Density	Avg. Height	Size	1997 in the sale Sawdust Pile Aspen Blocks (#53-002-95), bought by Alan Lamberson. Subsequent regeneration failed due to intense browse
							umn Olive	Trace	5 - 10 feet	Tall Shrub	pressure and this stand has been converted to a non-forested condition.
						Blackbe	rry/Raspberry	Low	< 5 feet	Tall Shrub	It is now burned periodically to maintain it as an opening, in the Joe's
						R	ed Oak	Trace	>20 feet	Log	Opening prescribed burn complex. This stand sits on hardwood quality soils.
						Wł	nite Pine	Trace	>20 feet	Pole	SUIIS.
						Brad	cken Fern	Medium	Unspecified	Non-Wood	
						Wild	Bergamont	Medium	Unspecified	Non-Wood	
						Sug	gar Maple	Trace	>20 feet	Pole	
						Little	Bluestem	Low	Unspecified	Non-Wood	
6	4130	- Aspen	S	awtimbe	er Well	13.8	76	81-110	N/A		Stand of moderate quality, large diameter aspen. Several aspen with a lot
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of rot and serving as good wildlife trees. Hardwoods are mixed in throughout. White pine is often in clumps and more common in the north
	Red Maple	5	Pole	6		Strip	oed Maple	Medium	Variable	Sapling	half of the stand. Trace of red oak and paper birch. Average ba/acre from
	Basswood	2	Log/Pole	12		Iro	onwood	Low	Variable	Sapling	5 plots = 104 square feet. Rolling terrain with some steep slopes but
	Bigtooth Aspen	69	Log/XLog	14	76	Wh	nite Pine	Low	Variable	Sapling	none that are inoperable. Heavy deer and elk use. Due to its small size and species mix, this stand would almost certainly be browsed to a non-
	White Pine	5	Pole/Log	8		Autu	umn Olive	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	5	Log/XLog	14		Re	ed Maple	Medium	>20 feet	Sapling	the east, or let the aspen die and manage for the understory red maple.
	Beech	2	Log/Pole	10		W	hite Ash	Trace	>20 feet	Sapling	
	Ironwood	1	Pole	5							
	Sugar Maple	11	Log/Pole	11							
7	4130	- Aspen	Pol	etimber	Mediun	n 11.0	35	81-110	N/A		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	84), bought by Champion. Aspen regenerated moderately well although there are scattered open areas that are a result of previous browse
	White Pine	8	Pole	8		Wit	ch Hazel	Trace	5 - 10 feet	Tall Shrub	damage. The aspen is decent quality although it doesn't appear healthy
	Ironwood	1	Pole	5		Autu	umn Olive	Trace	5 - 10 feet	Tall Shrub	in all areas. The east half of the stand has a nice understory of sugar
	Red Maple	1	Pole	7		Blad	ck Cherry	Low	Variable	Tall Shrub	maple, and in some areas it is free to grow as there are spots without many aspen in the overstory. White pine is mostly along the western
	Sugar Maple	3	Pole	8		Iro	onwood	Medium	Variable	Sapling	edge of the stand. Autumn olive mostly along the south edge. Average
	Quaking Aspen	25	Pole/Sapling	7		Sug	gar Maple	Medium	>20 feet	Sapling	ba/acre from 6 plots = 87 square feet. Terrain gradually slopes up to the
	25 1 515, 645,		35	Wł	nite Pine	Low	Variable	Sapling	east. Due to current browse pressure, it is unlikely that this stand will successfully regenerate. Hold off on harvesting until, or if, the browse		

pressure is ever reduced in this area.

Report 7 - Stands



Stand	nd Level 4 Cover Type S		ize Dei	nsity	Acres Stand Age	BA Range	Managed S	Site	General Comments	
8	4110 - Sugar N	Maple Asso	ciation Po	letimbe	er Well	77.8 96	111-140	N/A		Moderate to high quality hardwood stand. Quality and BAs are generally higher in the north half of the stand, the south half tends to have lower
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	BAs and a lot of multi-stemmed trees. There are no records of a past
	Paper Birch	1	Pole/Log	9		White Ash	Medium	< 5 feet	Seeding	harvest in this stand. As a result, there are a lot of suppressed sugar
	Sugar Maple	55	Pole/Log	9	96	Ironwood	Medium	>20 feet	Sapling	maple poletimber stems. Large diameter aspen is scattered throughout
	Basswood	29	Log/Pole	12		Leatherwood	Low	< 5 feet	Tall Shrub	and is more numerous in the north half of the stand with a few small clumps present. Much of the aspen is in decline and providing good
I	Bigtooth Aspen	7	Log/XLog	15		Ironwood	Medium	< 5 feet	Seeding	wildlife habitat. White ash used to occupy around 5% of the canopy but it
(Quaking Aspen	2	Log/XLog	15		Beech	Low	< 5 feet	Seeding	is now all dead from EAB and most have fallen over. Beech is relatively
	Beech	3	Log/Pole/XLog	11		Sugar Maple	Trace	>20 feet	Sapling	rare and BBD can be found on most. A second age class of large diameter, old sugar maple is present but rare. Trace of white pine, red
	Red Oak	1	Log/XLog	16			'		1	maple, and elm in the overstory. Average ba/acre from 16 plots = 113
	Ironwood	2	Pole	5						square feet. Some gradual slopes in the stand but nothing that is inoperable.
9	4110 - Sugar N	Maple Asso	ciation Sa	wtimbe	r Well	23.8 83	81-110	N/A		Moderate quality hardwoods sitting on undulating terrain with most areas
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	of the stand on slopes that are too steep for harvesting (see topo imagery). Basal areas tend to vary significantly. A few small clumps of
	Beech	2	Log/Pole	10		Striped Maple	Low	Variable	Sapling	aspen are present. Trace of red oak and paper birch in the overstory.
	Basswood	39	Log/Pole	11	83	Beech	Trace	Variable	Sapling	Average ba/acre from 7 plots = 93 square feet.
	White Pine	1	Pole/Log	8		Ironwood	Medium	>20 feet	Sapling	
	Bigtooth Aspen	8	Log/XLog	14				1		
	Quaking Aspen	1	Log/XLog	14						
	<u> </u>									
	Ironwood	3	Pole	5						
	Ironwood Sugar Maple	3 46	Pole Log/Pole	5 10	83					
10	Sugar Maple 4191 - Mixed Upla	46	Log/Pole lous with Po	10 letimbe	r Poor	4.6 38 Sub-Canopy Specie	1-50 Density	N/A	Size	This stand was clearcut but did not regenerate well due to browse. The sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are
	Sugar Maple 4191 - Mixed Upla	46 and Decidu	Log/Pole lous with Po	10	r Poor	4.6 38 Sub-Canopy Species		N/A Avg. Height Variable		sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive.
	Sugar Maple 4191 - Mixed Upla Co Canopy Species	46 and Decidu onifer % Cover	Log/Pole nous with Po	10 letimbe	r Poor	Sub-Canopy Specie	S Density	Avg. Height	Size Sapling Tall Shrub	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are
	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine	and Decidu onifer Cover	Log/Pole lous with Po Size Class Pole/Log	10 letimbe	r Poor	Sub-Canopy Species	S Density Medium	Avg. Height Variable	Sapling Tall Shrub	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in
	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry	and Deciduonifer Cover 20 10	Log/Pole lous with Po Size Class Pole/Log Pole Pole	10 letimber DBH 8 6	Age	Sub-Canopy Species Ironwood Black Cherry	Medium Low	Avg. Height Variable Variable	Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet.
	Sugar Maple 4191 - Mixed Upla Cc Canopy Species White Pine Black Cherry White Ash	and Deciduonifer Cover 20 10 1	Log/Pole nous with Po Size Class Pole/Log Pole	DBH 8 6 7	r Poor	Sub-Canopy Specie: Ironwood Black Cherry White Pine	Medium Low Trace	Avg. Height Variable Variable Variable	Sapling Tall Shrub Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet.
	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood	46 and Deciduonifer % Cover 20 10 1 29 25	Log/Pole sous with Pole Size Class Pole/Log Pole Pole Pole/Sapling Pole/Log	10 letimbe	Age 38	Sub-Canopy Specie: Ironwood Black Cherry White Pine	Medium Low Trace	Avg. Height Variable Variable Variable	Sapling Tall Shrub Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso	Log/Pole sous with Pole Size Class Pole/Log Pole Pole Pole/Sapling Pole/Log	DBH 8 6 7 5 8	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive	Medium Low Trace Trace	Avg. Height Variable Variable Variable 5 - 10 feet	Sapling Tall Shrub Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso	Log/Pole lous with Po Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Po Size Class	10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive	Medium Low Trace Trace	Avg. Height Variable Variable Variable 5 - 10 feet	Sapling Tall Shrub Sapling Tall Shrub	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species	46 and Deciduonifer Cover 20 10 1 29 25 Maple Asso Cover	Log/Pole lous with Po Size Class Pole/Log Pole Pole Pole/Sapling Pole/Log Ciation Po	DBH 8 6 7 5 8	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood	Medium Low Trace Trace 51-80 Density	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height	Sapling Tall Shrub Sapling Tall Shrub Size Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50	Log/Pole lous with Pole Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Pole Size Class Pole/Log/XLog	DBH 8 6 7 5 8	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species	Medium Low Trace Trace 51-80 S Density Medium	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet	Sapling Tall Shrub Sapling Tall Shrub Size Sapling Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple Basswood	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50 32	Log/Pole lous with Pole Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Pole Size Class Pole/Log/XLog Log/Pole Log/XLog/Pole	10 10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood Sugar Maple	S Density Medium Low Trace Trace 51-80 S Density Medium Trace	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet >20 feet	Sapling Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast corner of the stand was excluded from the sale. Canopy gaps have
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple Basswood White Pine	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50 32 4	Log/Pole lous with Pole Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Pole Size Class Pole/Log/XLog Log/Pole	10 10 10 10 10 10 10 10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood Sugar Maple White Ash	S Density Medium Low Trace Trace 51-80 S Density Medium Trace Trace Trace	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet >20 feet < 5 feet	Sapling Tall Shrub Sapling Tall Shrub Size Sapling Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast corner of the stand was excluded from the sale. Canopy gaps have virtually nothing growing in them as the browse pressure is so high in this area. Ironwood seedlings are abundant in areas outside of canopy gaps.
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple Basswood White Pine Beech Ironwood	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50 32 4 2	Log/Pole lous with Po Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Po Size Class Pole/Log/XLog/Pole Log/XLog/Pole Pole/Log/XLog	10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood Sugar Maple White Ash Autumn Olive Beech	S Density Medium Low Trace Trace 51-80 S Density Medium Trace Trace Trace Low	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet >20 feet >20 feet	Sapling Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling Tall Shrub Seeding	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast corner of the stand was excluded from the sale. Canopy gaps have virtually nothing growing in them as the browse pressure is so high in this area. Ironwood seedlings are abundant in areas outside of canopy gaps. Average residual ba/acre = 76 square feet. Autumn olive seems to have
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple Basswood White Pine Beech Ironwood Red Maple	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50 32 4 2 3	Log/Pole lous with Pole Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Pole/Log/XLog Log/Pole Log/XLog/Pole Pole/Log/XLog Pole Pole/Log/XLog Pole Pole Pole	10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood Sugar Maple White Ash Autumn Olive	S Density Medium Low Trace Trace 51-80 S Density Medium Trace Trace Low Low Trace	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet >20 feet >20 feet < 5 feet < 5 feet Variable	Sapling Tall Shrub Sapling Tall Shrub Size Sapling	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast corner of the stand was excluded from the sale. Canopy gaps have virtually nothing growing in them as the browse pressure is so high in this area. Ironwood seedlings are abundant in areas outside of canopy gaps. Average residual ba/acre = 76 square feet. Autumn olive seems to have been stimulated by the ground disturbance that logging created as new
11	Sugar Maple 4191 - Mixed Upla Co Canopy Species White Pine Black Cherry White Ash Ironwood Sugar Maple 4110 - Sugar M Canopy Species Sugar Maple Basswood White Pine Beech Ironwood	46 and Deciduonifer % Cover 20 10 1 29 25 Maple Asso % Cover 50 32 4 2 3 1	Log/Pole lous with Pole Size Class Pole/Log Pole Pole/Sapling Pole/Log ciation Pole/Log/XLog/Pole Log/XLog/Pole Pole/Log/XLog Pole/Log/XLog Pole/Log/XLog Pole/Log/XLog	10	Age 38	Sub-Canopy Species Ironwood Black Cherry White Pine Autumn Olive 42.1 102 Sub-Canopy Species Ironwood Sugar Maple White Ash Autumn Olive Beech White Pine	S Density Medium Low Trace Trace 51-80 S Density Medium Trace Trace Low Low	Avg. Height Variable Variable Variable 5 - 10 feet N/A Avg. Height >20 feet >20 feet >20 feet < 5 feet < 5 feet	Sapling Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling Tall Shrub Seeding	sugar maple stems are residual left over from the harvest and are not new in-growth. There used to be elm and ash in the stand but most are dead, however I did see a few ash stems that appear to still be alive. Limited understory development due to browse, grass has taken over in many areas. Average ba/acre from 3 plots = 43 square feet. This stand was thinned in the winter of 2017-18 as part of the Hidden Valley Hardwoods timber sale, #53-009-14-01, bought by Tulgetska. Very nice job on the sale with minimal residual damage and no rutting. Moderate to low quality hardwoods. Quality is best in the southern 1/3rd of the stand. A strip of quaking aspen and white pine along the west edge was excluded from the sale. Also, an area of lower BAs at the northeast corner of the stand was excluded from the sale. Canopy gaps have virtually nothing growing in them as the browse pressure is so high in this area. Ironwood seedlings are abundant in areas outside of canopy gaps. Average residual ba/acre = 76 square feet. Autumn olive seems to have been stimulated by the ground disturbance that logging created as new



Stand	nd Level 4 Cover Type			Size Density	Acres Stand	l Age BA Ran	ge	Managed S	Site	General Comments		
12	3105 - Mixed Up	land Herb	aceous	Nonstocked	40.2	Unspeci	fied	No		This was previously an aspen/hardwood/pine stand that was clearcut in		
					Sub-Canopy S	Species Den	sity	Avg. Height	Size	the 1997 in the sale Sawdust Pile Aspen Blocks (#53-002-95), bought b Alan Lamberson. Browsing eliminated aspen and most other tree specie		
					Autumn Ol	ive Tr	ace	5 - 10 feet	Tall Shrub	regeneration. Now it is burned every couple of years to maintain it as an		
					Red Oal	C Tr	ace	>20 feet	Log	opening, as part of the Joe's Opening prescribed burn complex. Heavily		
					Bracken Fo	ern H	igh		Non-Wood	used by elk. Rolling terrain. Trace of spotted knapweed in the NE corne where the closed road enters the stand.		
					White Pir	ie L	ow	>20 feet	Log	where the closed load enters the stand.		
					White Pir	ie Me	dium	>20 feet	Pole			
					White Pir	ie Tr	ace	Variable	Sapling			
					Mixed Gras	ses F	ull		Non-Wood			
					Quaking As	pen Tr	ace	Variable	Sapling			
					Spotted Knap	weed Tr	ace		Non-Wood			
					Black Che	rry Me	dium	5 - 10 feet	Tall Shrub			
					Blackberry/Ras	spberry Tr	ace	< 5 feet	Tall Shrub			
13	310 - Herbace	eous Oper	land	Nonstocked	3.3	Unspeci	fied	No		Small G stand with a lot of little bluestem. This stand is not maintained a		
					Sub-Canopy S	Species Den	sity	Avg. Height	Size	a food plot. There are areas of wet ground that look like drainages, see		
					Little Blues	tem H			Non-Wood	imagery. Lots of undulating terrain, possibly old tip-up mounds or a result of previous stump pulling.		
44	4133 - Aspe	n Miyod F	Pino D	oletimber Well	1 26.4 30	81-11	0	N/A		Moderate quality aspen stand sitting on a long, gradual east-facing slop-		
14	-									Stand cut in 1986 in the sale Sawdust Pile Aspen (53-009-84), bought b		
•	Canopy Species		Size Class	DBH Age	Sub-Canopy S	-		Avg. Height	Size	Champion. Site quality becomes much better as you move westward in		
	Red Maple	2	Pole/Sapling	5	Autumn Ol		dium 	5 - 10 feet	Tall Shrub	the stand. BTA more common in the west, QA more common in the eas side. QA is generally low quality and smaller in diameter, and barely		
E	Bigtooth Aspen	42	Pole	7 36	Ironwood		dium	Variable	Sapling	merchantable in the eastern1/3rd of the stand. White pine tends to occu		
	White Pine	20	Pole/Log	8	White As		OW	>20 feet	Sapling	in clumps and looks like residual stems that were left from the previous		
(Quaking Aspen	36	Pole/Sapling	6	White Pir		OW	Variable	Sapling	harvest. Average ba/acre from 9 plots = 94 square feet. Other overstory		
					Black Che	-	dium	Variable	Tall Shrub	species that were present but rare included; jack pine, red pine, paper birch, red oak, and white ash. A few scattered open areas that did not		
					Witch Haz		OW	5 - 10 feet	Tall Shrub	regenerate well. A few areas where quaking aspen is heavily affected by		
					Red Map	e Me	dium	>20 feet	Sapling	hypoxlyon canker. Autumn olive is taking over the understory in many		
									places in the west half of the stand. An old railroad grade runs N-S along the eastern edge of the stand. This stand is not ready for a treatment year due to the small size on the QA, but should be ready next entry. Manage together with adjacent stand 6 to the west.			
							_	N/A				
15	4130 -	- Aspen	Sav	wtimber Mediu	m 1.8 6	7 51-80	J	IN/A		Poorly-stocked stand that is a transition between hardwoods to the west		
	4130 -	- Aspen		wtimber Mediu	m 1.8 6			Avg. Height	Size	and the opening to the east. Non-forested areas mixed in throughout.		
(•				Species Den			Size Tall Shrub			
(Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy S	Species Den	sity	Avg. Height		and the opening to the east. Non-forested areas mixed in throughout. Other species that were present but rare include sugar maple and white		
	Canopy Species Quaking Aspen	% Cover	Size Class Log/Pole	DBH Age 10 67	Sub-Canopy S	Species Den	ow	Avg. Height Variable	Tall Shrub	and the opening to the east. Non-forested areas mixed in throughout. Other species that were present but rare include sugar maple and white		



Stan	nd Level 4 Cover Type Size Density		Acres	Stand Age B	A Range	Managed	Site	General Comments			
16	330 - Low-	Density T	rees 1	Nonst	ocked	10.3	U	nspecified	No		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-004-
						Sub-Ca	nopy Species	Density	Avg. Height	Size	84), bought by Champion. It was cut along with adjacent stand 2 to the west but did not successfully regenerate due to browse. Heavy browse
						Ir	onwood	Medium	>20 feet	Sapling	pressure is still ongoing as pretty much anything growing under 5 feet
						Sug	gar Maple	Trace	>20 feet	Sapling	has browse damage. Scattered clumps of ironwood saplings are the only
						Bigto	ooth Aspen	Low	>20 feet	Pole	thing that made it past the browse along with a couple aspen and white pine. There used to be some white ash poletimber in the stand but it is
						Sug	gar Maple	Trace	>20 feet	Pole	now all dead from EAB. Rolling terrain that slopes down to the east. Did
						W	hite Pine	Low	Variable	Sapling	not visit the far north or south ends of the stand.
						Bla	ck Cherry	Trace	Variable	Tall Shrub	
						W	hite Pine	Trace	>20 feet	Log	
						Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	
						W	hite Pine	Low	>20 feet	Pole	
							Beech	Trace	< 5 feet	Seeding	
						Bra	cken Fern	High	Unspecified	Non-Wood	
						Ir	onwood	Trace	< 5 feet	Seeding	
17	4117 - Mixed N Canopy Species	I. Hardwoo			oer Wel H Age		106 nopy Species	81-110 Density	N/A Avg. Height	Size	Diverse stand but hardwood quality is poor to mediocre. White pine is better quality and scattered throughout in clumps. All of the beech has
	White Pine	23	Log/Pole/XLog	11	i Age		hite Pine	Low	Variable	Sapling	BBD. Average ba/acre from 6 plots = 87 square feet. Rolling terrain.
	Bigtooth Aspen	3	Log/Pole	13			onwood	Medium	Variable	Sapling	
	Sugar Maple	47	Log/Pole	10	106		Beech	Low	< 5 feet	Seeding	
	Basswood	20	Log/Pole/XLog	12			onwood	Medium	< 5 feet	Seeding	
	Beech	4	Log/Pole	10					10.001	00009	
	Quaking Aspen	2	Log	13							
	Ironwood	1	Pole	5							
18	4130	- Aspen	Po	letimk	oer Wel	13.8	53	111-140	N/A	<u> </u>	Moderate quality aspen stand with some variation in diameters. The
	Canopy Species	% Cove	er Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	northeast part of the stand adjacent to stand 75 has a good representation of younger birch, maple, and red oak. Large diameter oak,
	Bigtooth Aspen	62	Pole/Log	8	53	Pa	per Birch	Trace	>20 feet	Sapling	red pine, and white pine can be found scattered throughout, along with a
	Red Pine	8	Log/XLog/Pole	15		Re	ed Maple	Low	>20 feet	Sapling	couple of larger maple stems. A lot of the larger maple stems are poor
	White Pine	0 0			Ir	onwood	Low	Variable	Sapling	quality with a lot of rot. Some of the residual pine are legacy tree size. A large pond is present in the portion of the stand west of the road, with a	
	Sugar Maple				Bla	ck Cherry	Low	Variable	Tall Shruk	few larger sawlog trees around the perimeter of it. Other species that	
	Red Maple	Red Maple 12 Pole/Log 8				W	hite Pine	Low	Variable	Sapling	were present in the overstory of the stand but rare include balsam fir and
	Paper Birch	1 Pole 6			Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	basswood. Average ba/acre from 6 plots = 123 square feet. Most of the	

Trace

Trace

Variable

Variable

Quaking Aspen

Red Oak

8

4

7

14

Beech

Sugar Maple

Pole

Log/Pole/XLog

stand sits on a slight west-facing slope.

It looks like a wildfire may have went through this stand at one time as

there appears to be an old trench line meandering through the stand.

Sapling

Sapling



Stand	I Level 4 Cover Type Size Densit			nsity	Acres	Stand Age B	A Range	Managed	Site	General Comments	
19	3205 - Mixed	d Upland S	hrub N	Nonsto	cked	1.9	Uı	nspecified	No		Small open stand that did not regenerate due to browse following a
						Sub-Ca	nopy Species	Density	Avg. Height	Size	clearcut in 1987. Heavy browse still persists as even the smaller ironwood seedlings show browse damage.
						Bla	ck Cherry	Low	>20 feet	Tall Shrub	Tronwood occurrings onew browse damage.
						Wild	Bergamont	Low	Unspecified	Non-Wood	
						Blackbe	erry/Raspberry	Medium	< 5 feet	Tall Shrub	
						Qual	king Aspen	Low	>20 feet	Pole	
							Beech	Trace	Variable	Sapling	
						Bra	cken Fern	Medium		Non-Wood	
						Ire	onwood	Low	>20 feet	Pole	
						W	hite Pine	Trace	>20 feet	Pole	
						Ir	onwood	Medium	>20 feet	Sapling	
						Ire	onwood	Low	< 5 feet	Seeding	
20	42201 - Natural Dec	White Pine	e, Mixed Po	letimb	er Well	10.4	70	81-110	N/A		White pine dominated stand with a variety of diameters, although poletimber is most common. Unlike the adjacent white pine stands to the north and south, this stand did not have an aspen/maple species
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	removal. Oak and maple are primarily along the west edge of the stand.
	White Pine	61	Pole/Log/XLog	8	70	W	hite Pine	Medium	>20 feet	Sapling	A few scattered XL-sized aspen are present, mostly along the east side.
	Red Pine	1	Log	12		Re	ed Maple	Low	>20 feet	Sapling	6 basal area plots taken with an average of 93 sq. ft. per acre. Old fire-
	Red Oak	8	Log/XLog	15	90		ck Cherry	Trace	Variable	Tall Shrub	charred white pine stumps scattered throughout.
	Red Maple	7	Pole	6		Auti	umn Olive	Trace	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	14	Pole/Log	9							
	Quaking Aspen	5	Pole	8	51						
21	42200 - Nati				er Well		48	81-110	N/A		Moderate quality white pine stand with a lot of small stems. Stocking varies quite a bit due to a past aspen/maple species removal in 1986.
	Canopy Species	% Cover	r Size Class		Age		nopy Species	Density	Avg. Height	Size	Scattered small open areas throughout with little to no regeneration. Red
	Red Pine	6	Pole/Log	8			ck Cherry	Medium	5 - 10 feet	Tall Shrub	,
	Bigtooth Aspen	2	Pole	7			umn Olive	Trace	5 - 10 feet	Tall Shrub	100 square feet.
	White Pine	90	Pole/Sap/Log	7	48	W	hite Pine	Medium	>20 feet	Sapling	
	Quaking Aspen	2	Pole	6							
22	42200 - Natı	ural White	Pine Pole		Mediu	m 6.5	60	81-110	N/A		Moderate quality white pine of varying sizes. This stand appears to have had an aspen/red maple species removal at one time, but neither
	Canopy Species		r Size Class		Age		nopy Species	Density	Avg. Height	Size	regenerated well after that harvest. It is now a mix of open areas and
	Quaking Aspen	5	Pole	7	35		hite Pine	Medium	>20 feet	Sapling	more dense forested areas. Open, park-like understory in many places.
	Ironwood	1	Pole	5		Bla	ck Cherry	Trace	Variable	Tall Shrub	Old fire-charred white pine stumps are present throughout. Heavy elk use. Average ba/acre from 6 plots = 90 square feet.
	White Pine	94	Pole/Log	8	60						ass. Thorage saration from a prote - so square root.



Stand	Level 4 Cover Type Size Density		ensity	sity Acres Stand Age BA Range Managed Site					General Comments		
23	4130	- Aspen	Po	oletimb	er Well	38.9	36	81-110	N/A		Developing stand of nearly pure aspen with limited overstory diversity. The narrow east side of the stand is flat and lower site quality, and
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	consists mostly of smaller diameter quaking aspen that is barely
	Bigtooth Aspen	52	Pole	8	36	WI	hite Pine	Trace	Variable	Sapling	merchantable in places. The remainder of the stand has good quality
	Red Maple	4	Pole	5		Strip	Striped Maple		Variable	Sapling	aspen and is on rolling terrain. There are some steep slopes but none that are inoperable. White pine can be found mostly along the stand
	White Pine	4	Pole/Log	8		Wit	tch Hazel	Trace	5 - 10 feet	Tall Shrub	edges. There appears to be a vernal pool in the southeast part of the
	Quaking Aspen	40	Pole/Sapling	6		Sug	gar Maple	Low	>20 feet	Sapling	stand (see site conditions layer). Autumn olive is mostly at the
						Autı	umn Olive	Low	5 - 10 feet	Tall Shrub	
						Ire	onwood	Medium	Variable	Sapling	poletimber. Average ba/acre from 13 plots = 85 square feet. This stand was last cut in 1986 in the sale Sawdust Pile Aspen (#53-009-84) bough
						I	Beech	Trace	Variable	Sapling	by Champion. It will be ready for a harvest next entry.
						Bla	ck Cherry	Low	Variable	Tall Shruk	
	4130	- Aspen	Po	oletimb	er Well	7.1	35	51-80	N/A		2021 Update - If this stand is ready for a harvest next entry, then group with stand 10 to the east in Compartment 49, which has been approved and has a delayed start date. Moderate quality, still developing stand that is dominated by quaking
	Canopy Species	% Cover	Size Class	DRI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen. Clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84),
	Quaking Aspen	76	Pole	7	35		ck Cherry	Low	Variable	Tall Shrub	bought by Champion. There are a few areas of nearly pure ironwood along the north and northeastern edges. Some black cherry is mixed in
	Ironwood	4	Pole/Sapling	5			onwood	Medium	Variable	Sapling	with the ironwood and actually has good form. Residual sugar maple
	Paper Birch	1	Pole	7			onwood	High	< 5 feet	Seeding	stems were left over from the previous harvest, more prevalent in the
	Bigtooth Aspen	7	Pole/Log	8			umn Olive	Trace	5 - 10 feet	Tall Shruk	northwestern part of the stand. White ash used to be a component of the overstory but most appear dead from EAB, although a few may still be
	Black Cherry	4	Pole	5			Beech	Low	< 5 feet	Seeding	ordinary survival appear assured in the survival
	Sugar Maple	8	Pole/Log	8			hite Ash	High	< 5 feet	Seeding	of the stand, it's difficult to tell with the snow on the ground. Trace of
											white pine and basswood in the overstory. Average ba/acre from 6 plots 65 square feet. Gently rolling terrain. This stand will be ready for a final harvest next entry but the deer and elk browse pressure is too high in the area to allow for successful regeneration.
25	4110 - Sugar N	Maple Asso	ciation Sa	awtimb	er Well	7.3	94	81-110	N/A		Moderate quality hardwoods. A lot of stump sprouts, not as many single stems. Basal areas tend to vary quite a bit, possibly from a harvest long
	Canopy Species	% Cover			l Age	Sub-Ca	nopy Species		Avg. Height	Size	ago? Trace of XL-sized white pine in the overstory. Five basal area plots
	Basswood	30	Log/Pole	12		Ire	onwood	High	>20 feet	Sapling	were recorded with an average of 84 sq. ft. per acre.
	Beech	2	Pole/Log	9							
	Ironwood	4	Pole	5							
	Quaking Aspen	1	Log	14							
	Bigtooth Aspen	3	Log/XLog	15							
	Sugar Maple	60	Log/Pole/XLog	10	94						
26	2113 - Fo	orage Crops	5	Nonst	ocked	40.4	U	nspecified	Managed Op	pening	-This is a maintained wildlife opening that is planted annuallyMultiple
						Sub-Ca	nopy Species	Density	Avg. Height	Size	clumps of aspen that are less than one acre are scattered throughout.
						Qual	king Aspen	Low		Pole	
						Ame	erican Elm	Trace		Log	
						W	hite Ash	Trace		Log	
						Rye	e (annual)	Full		Non-Wood	
						Ba	asswood	Trace		Log	



Stand	d Level 4 Cov	ver Type		Size De	nsity	Acres S	Stand Age B	A Range	Managed	Site	General Comments
27	320 - Upla	ind Shrub)	Nonsto	cked	4.4	Uı	nspecified	No		From imagery it looks like this stand was cut at the same time as
						Sub-Can	opy Species	Density	Avg. Height	Size	adjacent stand 23, but did not regenerate well, likely due to browse. A few scattered clumps of trees are present. The cherry is mostly small
						Whit	te Pine	Trace	Variable	Sapling	except for a few over 3" DBH. Flat terrain.
						Red	d Pine	Trace	>20 feet	Pole	
						Black	Cherry	Medium	Variable	Tall Shrub	
						Wild Be	ergamont	Low	Unspecified	Non-Wood	
						Cladonia (R	eindeer moss) Low		Non-Wood	
						Quakir	ng Aspen	Low	>20 feet	Pole	
						Whit	te Pine	Trace	>20 feet	Log	
						Mixed	Grasses	Full		Non-Wood	
						Brack	en Fern	High		Non-Wood	
						Little E	Bluestem	Medium	Unspecified	Non-Wood	
						Whit	te Pine	Low	>20 feet	Pole	
28	4130 - /	Aspen	P	oletimb	er Wel	1.7	35	51-80	N/A		Small aspen stand, surrounded by a maintained wildlife opening. The
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	aspen is mostly poor quality. The middle of the stand is in somewhat of a draw and appears seasonally wet. A small vernal pond is located on the
	Ironwood	4	Pole	5		Iror	nwood	High	< 5 feet	Seeding	northern edge of the stand. Heavy browse on all understory seedlings.
	Quaking Aspen	95	Pole/Log	8	35	Ве	eech	Low	< 5 feet	Seeding	Trace of paper birch in the overstory. Average ba/acre from 2 plots = 70
	Sugar Maple	1	Pole/Log	8		Bas	swood	Low	< 5 feet	Seeding	square feet. Deer and elk browse pressure is too high in this area to recommend a regeneration harvest.
						Autun	nn Olive	Low	5 - 10 feet	Tall Shrub	
						Serviceberi	ry (Juneberry)	Trace	Variable	Tall Shrub	
						Black	Cherry	Low	Variable	Tall Shrub	
						Iror	nwood	Low	Variable	Sapling	
29	320 - Upla	ınd Shrub)	Nonsto	cked	1.8	Uı	nspecified	No		This was presumably a forested stand at one time but did not regenerate
						Sub-Can	opy Species	Density	Avg. Height	Size	due to browse. The east half of the stand is heavy to black cherry. The west half of the stand is more open with less cherry.
						Quakir	ng Aspen	Trace	>20 feet	Pole	,,
						Black	Cherry	Medium	>20 feet	Tall Shrub	
						Mixed	Grasses	High		Non-Wood	
						Bas	swood	Trace	>20 feet	Log	
						Whit	te Pine	Trace	>20 feet	Log	
						Brack	en Fern	High	Unspecified	Non-Wood	
						Autun	nn Olive	Low	5 - 10 feet	Tall Shrub	
						Iron	nwood	Low	Variable	Sapling	
30	42200 - Natura	al White	Pine S	awtimb	er Pooi	3.2	60	51-80	N/A		Transition between aspen stand to the north and opening to the south. Very open stand in the west half, becoming more well stocked at the east
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	end. Decent quality white pine in the more dense areas. Average ba/acre
	Quaking Aspen	7	Pole	6	36	Black	Cherry	Low	Variable	Tall Shrub	from 4 plots = 53 square feet.
	White Pine	93	Log/Pole/XLog	12	60	Whit	te Pine	Low	Variable	Sapling	
			<u> </u>								•



Stand	d Level 4 Cover Type Size Der		Size Densit	, A	cres Stand Age	BA Range	Managed	Site	General Comments	
31	4130	- Aspen	F	Poletimber W	ell 3	32.3 35	51-80	N/A		Moderate quality, still developing stand dominated by quaking aspen.
	Canopy Species	% Cover	Size Class	DBH Ag	Sı	ub-Canopy Specie	s Density	Avg. Height	Size	Clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. The stand did not regenerate well in all areas as there are
	Sugar Maple	1	Pole	5		Red Oak	Trace	>20 feet	Sapling	scattered open areas along the eastern edge of the stand that are either
	Quaking Aspen	74	Pole	7 35		Sugar Maple	Trace	>20 feet	Sapling	non-forested or have filled in with mainly ironwood. White ash used to be
	Black Cherry	2	Pole	5		White Ash	Trace	>20 feet	Sapling	a component of the overstory but is now all dead from EAB. Although rare there are a few sugar maple stems that were left as residual from the
	Bigtooth Aspen	17	Pole/Log	8		Beech	Trace	>20 feet	Sapling	previous harvest. Autumn olive is encroaching into the stand, mostly at
	Ironwood	6	Pole/Sapling	5		Autumn Olive	Trace	5 - 10 feet	Tall Shruk	the southern end. Average ba/acre from 9 plots = 69 square feet. Most of
						Ironwood	High	>20 feet	Sapling	the stand sits on a gradual west-facing slope. This stand will be ready for a harvest next entry but there is not much of a chance for successful
						Black Cherry	Low	>20 feet	Tall Shrub	regeneration due to the extreme levels of deer and elk browse in this area.
32	3105 - Mixed U	pland Herba	aceous	Nonstocke	l 5	53.1	Unspecified	No		Formerly a mixed hardwood/aspen/pine stand that was clearcut in 1998
					Sı	ub-Canopy Specie	s Density	Avg. Height	Size	in the sale Sawdust Pile Aspen Blocks (#53-002-95, Alan Lamberson) bu converted to a non-forested stand due to browse. Now it is burned every
						Mixed Grasses	Full		Non-Wood	couple of years to maintain it as an opening, as part of the Joe's Opening
						White Pine	Trace	>20 feet	Pole	prescribed burn complex. Not much woody vegetation at all. Little
						White Pine	Trace	>20 feet	Log	bluestem is starting to establish in a few areas but most of the stand is still dominated by bracken fern. Rolling terrain.
						Black Cherry	Low	< 5 feet	Tall Shruk	Still dominated by bracker fem. Rolling terrain.
						Little Bluestem	Medium	Unspecified	Non-Wood	
					Bl	ackberry/Raspberr	y Low	< 5 feet	Tall Shruk	
						White Pine	Trace	Variable	Sapling	
						Bracken Fern	High		Non-Wood	
33	4130	- Aspen	F	Poletimber W	ell 1	0.1 35	51-80	N/A		Moderate quality aspen stand that is close to a 50/50 mix of upland and
	Canopy Species	% Cover	Size Class	DBH Ag	Sı	ub-Canopy Specie	es Density	Avg. Height	Size	lowland. Clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84), bought by Champion. There are ponds at the northwest corner of the
	Balsam Poplar	5	Pole	8		Autumn Olive	Medium	5 - 10 feet	Tall Shrub	stand, in the middle, and along the east side. Wet drainages connect all
	Paper Birch	1	Pole/Log	8		Ironwood	Medium	< 5 feet	Seeding	three (see leaf off imagery). Diameters on the aspen vary quite a bit. A clump of very large basswood is present along the east side. Autumn
	Quaking Aspen	86	Pole	8 35		Beech	Low	< 5 feet	Seeding	olive is abundant along the east edge and is starting to encroach into the
	Red Maple	1	Pole	7		White Ash	Medium	< 5 feet	Seeding	stand. Basswood is attempting to regenerate in the understory but the
	Black Cherry	2	Pole	5		Black Cherry	Medium	Variable	Tall Shrub	
	Ironwood	1	Pole	5		Ironwood	High	Variable	Sapling	plots = 57 square feet. Successful regeneration is unlikely if a regeneration harvest is ever prescribed due to the very high deer and elk
	Basswood	1	Log/XLog	16	Ser	viceberry (Juneber	ry) Trace	Variable	Tall Shruk	browse in this area. Protect the ponds and drainages if a harvest is ever
	Sugar Maple	3	Pole/Log	8		Basswood	Low	< 5 feet	Seeding	prescribed.
34	3105 - Mixed U	pland Herba	aceous	Nonstocke	I	1.3	Unspecified	No		Quite a bit of little bluestem in the stand.
					Sı	ıb-Canopy Specie	es Density	Avg. Height	Size	
						Mixed Grasses	Full		Non-Wood	
						Quaking Aspen	Low	< 5 feet	Seeding	
						Autumn Olive	Medium	5 - 10 feet	Tall Shrub	
						Black Cherry	Low	>20 feet	Tall Shrub	
						Quaking Aspen	Low	>20 feet	Log	



Stand	nd Level 4 Cover Type		Si	Size Density Sawtimber Well		Acres Stand Age BA Range		Managed Site		General Comments					
35	4130	4130 - Aspen				1.1	1.1 72 81		N/A		Small clump of log-size quaking aspen. Not great quality. Average				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	ba/acre from 2 plots = 100 square feet. Autumn olive has completely taken over the understory of this stand. Manage with the adjacent stand				
	Quaking Aspen	93	Log/Pole	11	72	Black	Cherry	Low	Variable	Tall Shrub	to the east.				
	Balsam Poplar	5	Log	12		Autum	n Olive	Full	5 - 10 feet	Tall Shrub					
	Black Cherry	2	Pole/Log			Quaking	g Aspen	Low < 5 feet	Seeding						
						White	e Ash	Medium	< 5 feet	Seeding					
36	36 4130 - Aspen		Sa	wtimb	er Wel	1.4	53	81-110	N/A		Small stand of aspen, decent quality. Clump of large basswood at the				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	northeast corner. Autumn olive has taken over the understory of this stand. Average ba/acre from 2 plots = 100 square feet. Cannot				
	Paper Birch	3	Pole	8		Iron	vood	Low	Variable	Sapling	recommend cutting due to the small size of the stand and the likelihood				
	Quaking Aspen	94	Log/Pole	12	53	Serviceberry	(Juneberry)	Low	10 - 20 feet	Tall Shrub	that browsing would eliminate any regeneration.				
	Basswood	3	XLog/Log	19		Be	ech	Low	Variable	Sapling					
						Black	Cherry	Low	Low Variable Tall Shrub						
						Autumn C	nn Olive	Full	5 - 10 feet	Tall Shrub					
37	37 4110 - Sugar Maple Association Sawtimber We						100	81-110	N/A		Nice hardwood stand. A second age class of larger, older sugar maple is present. Stand thinned in the winter of 2017-18 as part of the Hidden				
	Canopy Species % Cover Size Class DBH Age		Sub-Cano	py Species	Density	Avg. Height		Valley Hardwoods timber sale, #53-009-14-01. Bought and cut by							
	Sugar Maple	60 Pole/Log/XLog		9	100	Iron	vood	Low	Variable	Sapling	Tulgetska. Very nice job on the sale with minimal damage to the residual.				
	Basswood	28	8 Log/Pole/XLog			Iron	vood	Medium	< 5 feet	Seeding	A few canopy gaps were created but browse has eliminated all desirable regeneration. Invasive thistle and sedges are prevalent in the canopy				
	Beech	2	Log/XLog	15			e Ash	Medium	< 5 feet	Seeding	gaps, autumn olive is also starting to encroach. Average residual ba/acre				
	Paper Birch	3	Pole/Log	8		Autum	n Olive	Trace	5 - 10 feet	Tall Shrub	= 85 square feet. Areas of lower stocking along the eastern and northern				
	Quaking Aspen	7	Log/XLog	13			eech	Medium							
										Be	ech	Medium	Variable	Sapling	edges were excluded from the treatment boundary. Most of the aspen
						Be	ech	Medium	Variable						
38	4130	- Aspen	Sa	wtimb	er Wel		71	Medium 51-80	Variable N/A		edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood				
38	Canopy Species	% Cover		DBH	er Wel	10.6 Sub-Cano	71 py Species		N/A Avg. Height	Sapling	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees.				
38	Canopy Species Basswood	<u>'</u>	Size Class Log	DB H		10.6 Sub-Cano White	71 py Species e Ash	51-80	N/A Avg. Height Variable	Sapling Size Sapling	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along				
38	Canopy Species	% Cover	Size Class	DBH		10.6 Sub-Cano White	71 py Species	51-80 Density	N/A Avg. Height	Sapling	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along the northern edges. Difficult to tell with the snow on the ground, but there				
	Canopy Species Basswood	% Cover	Size Class Log	DB H		10.6 Sub-Cano White Serviceberry	71 py Species e Ash v (Juneberry) wood	51-80 Density Low	N/A Avg. Height Variable	Sapling Size Sapling	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along the northern edges. Difficult to tell with the snow on the ground, but there may be a few seasonally wet areas in this stand. The aspen is starting to				
	Canopy Species Basswood Paper Birch	% Cover 2 7	Size Class Log Pole/Log	12 8	Age	10.6 Sub-Cano White Serviceberry	71 py Species e Ash (Juneberry)	51-80 Density Low Trace	N/A Avg. Height Variable Variable	Size Sapling Tall Shrub	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along the northern edges. Difficult to tell with the snow on the ground, but there may be a few seasonally wet areas in this stand. The aspen is starting to die in some places creating good snag habitat for wildlife. Recommend letting this stand senesce and convert to hardwoods. Deer and elk				
	Canopy Species Basswood Paper Birch Quaking Aspen	% Cover 2 7 81	Size Class Log Pole/Log Log/Pole/XLog	12 8 12	Age	10.6 Sub-Cano White Serviceberry Irony Black	71 py Species e Ash v (Juneberry) wood	51-80 Density Low Trace Medium	N/A Avg. Height Variable Variable Variable	Size Sapling Tall Shrub Sapling	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along the northern edges. Difficult to tell with the snow on the ground, but there may be a few seasonally wet areas in this stand. The aspen is starting to die in some places creating good snag habitat for wildlife. Recommend letting this stand senesce and convert to hardwoods. Deer and elk browse pressure is extremely high in this area and would not result in				
	Canopy Species Basswood Paper Birch Quaking Aspen Sugar Maple	% Cover 2 7 81 3	Size Class Log Pole/Log Log/Pole/XLog Pole	12 8 12 7	Age	10.6 Sub-Cano White Serviceberry Irony Black Sugar	71 py Species Ash (Juneberry) wood Cherry	51-80 Density Low Trace Medium Low	N/A Avg. Height Variable Variable Variable Variable	Size Sapling Tall Shrub Sapling Tall Shrub	edges were excluded from the treatment boundary. Most of the aspen can be found along the eastern edge. Scattered wet areas/vernal pools are present in the stand and were protected with retention during the harvest. This stand may be ready for another harvest next entry. Maintain the large, old trees. Small strip of quaking aspen with a heavy understory of hardwood regeneration. Sugar maple regeneration is abundant in most places. Average ba/acre from 8 plots = 78 square feet. Autumn olive is encroaching into the understory from the opening edges, especially along the northern edges. Difficult to tell with the snow on the ground, but there may be a few seasonally wet areas in this stand. The aspen is starting to die in some places creating good snag habitat for wildlife. Recommend letting this stand senesce and convert to hardwoods. Deer and elk				

Nonstocked

Sawtimber Well

Poletimber Well

183.4

13.2

103

48

3205 - Mixed Upland Shrub

39

40

11

Report 7 - Stands

Compartment: 48
Year of Entry: 2024



Stand	Level 4 Cover Type	Size Density	Acres Stand Age BA Range	Managed Site	General Comments
Otaria	_0.0 00.0ypo	0.20 20.10.19	riores stand rigo Erritarigo	managoa ono	Contra Communic

20.8 Unspecified 4199 - Other Mixed Upland Deciduous

Sub-Canopy Species Density Avg. Height Size

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	< 5 feet	Seeding
Sugar Maple	Trace	>20 feet	Pole
Red Maple	Trace	>20 feet	Sapling
Paper Birch	Trace	>20 feet	Pole
White Pine	Low	Variable	Pole
White Pine	Trace		Log
Red Maple	Trace	>20 feet	Pole
Bigtooth Aspen	Trace	>20 feet	Log
Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Black Cherry	Medium	5 - 10 feet	Tall Shrub
White Pine	Trace		Seeding
Ironwood	Trace	Variable	Sapling
White Pine	Medium	Variable	Sapling

This stand was clearcut in 2005 in the sale Pudding Aspen (#53-020-04, AJD) and was formerly a mixed hardwood stand with some aspen and pine mixed in. Browsing has eliminated almost all regeneration. The existing white pine saplings and poletimber in the stand appear to be residual protected during the harvest. A few small clumps of ironwood and red maple saplings were also leftover. Otherwise, all new in-growth is primarily ironwood and black cherry. Most of the ironwood is below 5 feet tall and appears to be getting browsed. Black cherry is also being browsed in places. Some of the most intense browse I've seen in the PRC, there is even a white spruce sapling that has its lower branches browsed. Another productive forest turned into a wasteland. Scattered leave trees from the previous harvest, mostly just a few large diameter aspen, a few birch, and an elm.

70	· ·	•			
	Canopy Species	% Cove	r Size Class	DBH	Age
	Sugar Maple	54	Pole/Log	9	103
	Basswood	40	Log/Pole	12	
	Beech	2	Pole/Log	9	
	Ironwood	4	Pole	5	

4110 - Sugar Maple Association

4130 - Aspen

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Low	< 5 feet	Tall Shrub
Ironwood	Medium	Variable	Sapling
Beech	Low	Variable	Sapling

N/A

N/A

111-140

81-110

Moderate to high quality hardwood stand. Sugar maple quality is generally good although there are a lot of multi-stemmed trees throughout the stand. The only treatment on record is a species removal in 1985, where all aspen, paper birch, and ironwood were removed. As a result, stocking is highly variable in areas of the stand, with some spots of much lower BAs that have since filled in with primarily ironwood, some of which is now in the poletimber size class. White ash used to be a moderate component of the stand, around 5-10% of the canopy, but is now all dead and most have fallen over. Most beech observed had BBD. Other species that were present in the canopy but rare include red oak, red pine, white pine, elm, quaking aspen, bigtooth aspen, paper birch, and hemlock. Average basal area per acre from 21 plots = 111 square feet. Some moderate east-facing slopes in the east half of the stand but none that will impact operability other than perhaps the far southeast corner and far northern end of the stand (see topo map). No wet areas observed although it's possible there are some vernal pools in the stand.

	, .op o	. 0		0	10.2	00		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	61	Pole/Log	8	48	Ironwood	Medium	< 5 feet	Seeding
Paper Birch	1	Pole	7		White Spruce	Trace	< 5 feet	Seeding
Ironwood	5	Pole	5		Red Oak	Trace	>20 feet	Sapling
Basswood	1	Log/Pole	11		Black Cherry	Low	Variable	Tall Shruk
White Ash	1	Pole	8		Autumn Olive	Trace	5 - 10 feet	Tall Shrul
Quaking Aspen	25	Pole/Log	8		Ironwood	High	Variable	Sapling
Sugar Maple	5	Log/Pole/XLog	11		Sugar Maple	Low	>20 feet	Sapling
Black Cherry	1	Pole	5		White Ash	Medium	< 5 feet	Seeding
					White Ash	Trace	Variable	Sapling
					Serviceberry (Juneberry)	Trace	Variable	Tall Shrub

Nice developing aspen stand. Clearcut in 1974 by Gary Haskill. Ironwood is the predominant species in the understory but there are some areas with a nice component of sugar maple saplings as well. Most of the basswood and sugar maple in the overstory are residual stems left over from the last time the stand was cut, including a couple very large sugar maple (20"+). White ash used to be a large component of the overstory, around 10%, but it is nearly all dead from EAB, although a few stems appear to be hanging on. Other overstory species that were present but rare include white spruce, white pine, and elm. Average ba/acre from 8 plots = 100 square feet. Mostly flat terrain except for the west end which is on a slight slope. No treatment should be prescribed here due to the very high browse pressure in this area which has converted many productive stands to a non-forested condition. Let the aspen senesce and convert to hardwoods.



Stand	tand Level 4 Cover Type Size Det		nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments					
42	3105 - Mixed U	pland Herb	aceous	Nonsto	cked	2.0	Uı	nspecified			-Charlton gas well #2-11 is located in this opening (still operable).			
					Ī	Sub-Ca	nopy Species	Density	Avg. Height	Size				
						WI	nite Pine	e Pine Trace		Seeding				
						Mixed Grasses		Full		Non-Wood				
						Spotte	d Knapweed	Low	,	Non-Wood				
43	43 3105 - Mixed Upland Herbaceous N		- Mixed Upland Herbaceous Nonstocke		lonstocked 37.4 L		Uı	nspecified	No		This stand was clearcut in the 1997 in the sale Sawdust Pile Aspen Blocks (#53-002-95, Alan Lamberson) but browsing has eliminated all			
						Sub-Ca	nopy Species	Density	Avg. Height	Size	regeneration. This stand sits on hardwood quality soils. It is now			
						Ire	onwood	Trace	< 5 feet	Seeding	periodically burned to maintain it as an opening, as part of the Joe's			
						Brad	cken Fern	High		Non-Wood	Opening prescribed burn complex. Little bluestem is starting to establish			
						Lea	therwood	Trace	< 5 feet	Tall Shrub	in a few areas. Most black cherry is below 5 feet but there are a few taller than that. A few elm, basswood, and aspen at the northwest corner of the			
					I	Beech	Trace	< 5 feet	Seeding	stand, outside of the burn boundary. Rolling terrain.				
					Little	Bluestem	Medium	Unspecified	Non-Wood					
						Bla	ck Cherry	Medium	< 5 feet	Tall Shrub				
44	4130	- Aspen	Р	oletimbe	er Well	20.5	36	51-80	N/A		Moderate quality stand dominated by quaking aspen and sitting on hardwood quality soils. This stand was clearcut in 1986, along with			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent stand 45, in the sale Sawdust Pile Aspen (#53-009-84,			
	Quaking Aspen	84	Pole	8	36	Re	ed Maple	Low	>20 feet	Sapling	Champion). Aspen diameters tend to vary quite a bit. Hardwood			
	Bigtooth Aspen	8	Pole/Log	9		Autı	umn Olive	Trace	5 - 10 feet	Tall Shrub	regeneration is abundant in the understory, with ironwood being			
	Ironwood	7	Pole/Sapling	5		Wit	ch Hazel	Trace	5 - 10 feet	Tall Shrub	ubiquitous throughout, while sugar maple is a little more sporadic. There are some areas with a light aspen overstory and a nearly pure overstory			
	Sugar Maple	1	Pole	7		W	hite Ash	Trace	>20 feet	Sapling	of ironwood sapling/poletimber, the southwest corner is one such			
						Iro	onwood	High	Variable	Sapling	example. White ash poletimber used to be common throughout but			
						Sug	gar Maple	Medium	>20 feet	Sapling	almost all of it is now dead from EAB, but there may still be a few stems hanging on. Other overstory species that were present but rare include			
						Bla	ck Cherry	Low	Variable	Tall Shrub	paper birch, white pine, white spruce, and elm. Average ba/acre from 13			
					_						plots = 58 square feet. Gently rolling terrain. Successful regeneration is very doubtful due to the high deer and elk browse pressure in this area.			



Stan	d Level 4 C	Level 4 Cover Type			Acres	Acres Stand Age BA Range		Managed	Site	General Comments				
45	3105 - Mixed Upland Herbaceous Nonstoo				19.0	U	nspecified	No		This was formerly a forested stand and was cut at the same time as				
						anopy Species	Density	Avg. Height	Size	adjacent stand 44 in 1986 in the sale Sawdust Pile Aspen (#53-009-84, Champion), however browsing eliminated almost all regeneration in the				
						Blackberry/Raspberry		< 5 feet	Tall Shrub	stand. A few scattered clumps of aspen are all that survived. This stand				
					Qua	king Aspen	Trace	< 5 feet	Seeding	sits on hardwood quality soils. Heavy elk browse is still noted on any tree				
					W	hite Pine	Trace	>20 feet	Pole	trying to grow in the stand, even some of the black cherry show browse damage. Little bluestem is prevalent throughout, there looks to be some				
					Bra	icken Fern	Medium		Non-Wood	beebalm (wild bergamot) mixed in too.				
					Qua	Quaking Aspen Low >20 feet Pole								
					W	tch Hazel	Trace	5 - 10 feet	Tall Shrub					
					li	onwood	Trace	< 5 feet	Seeding					
					Bigt	ooth Aspen	Trace	>20 feet	Log					
					W	hite Pine	Trace	>20 feet	Log					
					Bla	ick Cherry	Medium	Variable	Tall Shrub					
					li	onwood	Trace	Variable	Sapling					
					Cladonia	(Reindeer moss) Trace		Non-Wood					
						e Bluestem	High	Unspecified	Non-Wood					
						hite Pine	Trace	Variable	Sapling					
			Aut	umn Olive	Trace	5 - 10 feet	Tall Shrub							
46	42200 - Natural White Pine S		Pine Saw	timber Medi	ım 1.5 60		51-80	N/A		Semi-open stand with a few small clumps of denser white pine. White				
	Canopy Species	% Cove	r Size Class	Size Class DBH Age		Sub-Canopy Species Density		Avg. Height Size		nine quality is decent in the more dense areas				
	White Pine	100	Log/Pole/XLog	12 60		ick Cherry	Trace	Variable	Tall Shrub					
		I	0 0		W	hite Pine	Low	>20 feet	Sapling					
47	4130) - Aspen	Saw	timber Medi	um 2.1	67	51-80	N/A		This stand encompasses three small bubbles of aspen that are separated				
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	by a maintained food plot. All are somewhat similar in that they are dominated by quaking aspen. The southern bubble is nearly all aspen.				
	Black Cherry	6	Pole	6	W	hite Pine	Medium	Variable	Sapling	The middle bubble has aspen, cherry, ironwood, and one paper birch.				
	Quaking Aspen	73	Log/Pole	11 67	lı	ronwood	Medium	Variable	Sapling	The northern bubble is where all of the pine is located. The aspen in the				
	Ironwood	7	Pole	6	Aut	umn Olive	Low	5 - 10 feet	Tall Shrub	two northern bubbles is in decline. Average ba/acre from 3 plots = 55 square feet. Heavy browse on the understory in each bubble, even on				
	Red Pine	1	Log	12	Bla	ick Cherry	Medium	Variable	Tall Shrub	ironwood seedlings. The middle bubble has a lot of autumn olive and a				
	Paper Birch	3	Log/Pole	11	Japan	ese Barberry	Trace	< 5 feet	Tall Shrub	few clumps of barberry. Do not manage these stands as the browse				
	White Pine	10	Log/XLog/Pole	14		Beech	Low	< 5 feet	Seeding	pressure is too high in this area to get successful regeneration.				
					- I			< 5 feet	Seeding					

Red Maple

Compartment: 48 Year of Entry: 2024



Stand	d Level 4 C	Level 4 Cover Type		Size Den		Acres	Stand Age B	A Range	Managed \$	Site	General Comments				
48	4130	- Aspen	Po	Poletimber Well		II 12.4	35	81-110	N/A		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	Canopy Species De	Density	Avg. Height	Size	009-84), bought by Champion. It is now a moderate quality aspen stan that is still developing. Some areas of the stand have a nice understor				
	White Ash	1	Pole	8		W	hite Ash	Low	Variable	Sapling	sugar maple regeneration. Well developed shrub layer in places,				
	Ironwood	3	Pole/Sapling	5		Serviceb	erry (Juneberry)	Trace	Variable	Tall Shrub	especially along the west side adjacent to the road. White ash used to be				
	Paper Birch 1 Pole 8 Red Maple 2 Pole/Log 8			Bla	ck Cherry	Low	Variable	Tall Shrub	a large component of the overstory, maybe 15%, but it is now mostly dead, although a few stems appear to be hanging on. Average ba/acre						
			8		Haw	thorn (spp.)	Trace	5 - 10 feet	Tall Shrub	from 8 plots = 98 square feet. A large pond is present in the north part of					
	Quaking Aspen 79 Pole 7		7	35	Ir	onwood	High	Variable	Sapling	the stand. A wet drainage/intermittent stream runs north to south along					
	Bigtooth Aspen 10		Pole	8		Alternate-	leaved Dogwoo	d Trace	5 - 10 feet	Tall Shrub	the base of a steep slope in the west half of the stand (see imagery). This drainage starts as a pond on the west side of the road, at the NW corner				
	Sugar Maple 3 Pole 6					T	ag Alder	Trace	5 - 10 feet	Tall Shrub	of the stand.				
	Red Oak	1	Pole/Log	8		Ame	erican Elm	Trace	Variable	Sapling					
						Su	gar Maple	Medium	>20 feet	Sapling	No treatment should be prescribed here as successful regeneration is unlikely due to the very high deer and elk browse pressure, see adjacent				
						Hazeln	ut (American)	Low	5 - 10 feet	Tall Shrub	stand 50 for evidence of that. Treatment acreage would also be				
						W	hite Ash	High	< 5 feet	Seeding	significantly reduced to protect the pond and drainage. Let the aspen				
						Ir	onwood	High	< 5 feet	Seeding	senesce over time and manage for hardwoods.				
											The old road that runs east/west through the north part of the stand I signage for a buried electric line?				
49	4130	- Aspen	Po	oletimb	er We	ll 21.1	35	81-110			This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	84), bought by Champion. Regeneration came back spotty with scattered open areas that didn't regenerate well due to browse. Adjacent stand #52				
	Red Maple	5	Pole/Sapling	5			Beech	Trace	Variable	Sapling	was formerly a part of this stand but was completely browsed to the point				
	Quaking Aspen	35	Pole/Sapling	6		Wi	tch Hazel	Trace	5 - 10 feet	Tall Shrub	of being non-forested. Overall the aspen in the stand is good quality as				
	Bigtooth Aspen	60	Pole/Sap/Log	7	35	Bla	ck Cherry	Medium	Variable	Tall Shrub	the stand sits on hardwood quality soils. Diameters vary considerably with areas of lower stocking having larger diameters. Rolling terrain with some				
				•		W	hite Pine	Trace	Variable	Sapling	steep slopes but none that are inoperable. Little to no overstory tree				
						Ir	onwood	Low	Variable	Sapling	diversity with just a trace of white pine and sugar maple. There used to				
						Maple Le	aved Viburnum	Low	< 5 feet	Tall Shrub	be some white ash in the stand but it is now all dead. Average ba/acre from 7 plots = 81 square feet.				
						Lea	atherwood	Low	< 5 feet	Tall Shrub					
										1					

Medium

Variable

Sapling

17.5

130.7

104

Nonstocked

3301 - Low Density Deciduous Trees

50

Compartment: 48
Year of Entry: 2024



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

Unspecified

No

N/A

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Medium		Non-Wood
Little Bluestem	Medium	Unspecified	Non-Wood
Black Cherry	High	Variable	Tall Shrub
Ironwood	Trace	>20 feet	Pole
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Hazelnut (American)	Trace	5 - 10 feet	Tall Shrub
Sugar Maple	Trace	>20 feet	Pole
Bigtooth Aspen	Trace	>20 feet	Log
Quaking Aspen	Medium	>20 feet	Pole
Sugar Maple	Trace	>20 feet	Sapling
White Pine	Trace	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Spotted Knapweed	Trace		Non-Wood
Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Beech	Trace	Variable	Sapling
Red Oak	Trace	>20 feet	Log

This was previously a forested stand that was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84), bought by Champion. It did not successfully regenerate due to deer and elk browse. A few clones of aspen and clumps of ironwood saplings made it past the browse but that's it. New ironwood and beech ingrowth is being severely browsed. High quality soils capable of supporting hardwoods. Little bluestem is established in a few areas. Spotted knapweed is present along the road that passes through the stand. Rolling terrain.

51	4110 - Sugar Ma _l	ociation Sa	siation Sawtimber Well				
	Canopy Species	% Cove	r Size Class	DBH	Age		
	Basswood	32	Log/Pole/XLog	12			
	Red Oak	2	Log/XLog	16		ı	
	Beech	4	Log/XLog/Pole	15	135	ı	
	Bigtooth Aspen	1	Log	13			
	Sugar Maple	61	Log/Pole/XLog	10	104	Ì	

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

81-110

High quality northern hardwood stand with a second age class of larger, older hardwoods. These older trees are more prevalent in the northern half of the stand. Undulating ridges and valleys along the east side of the stand with some of the slopes being very steep. White ash used to be a moderate component of the stand, around 10 square feet of BA, but it is now all dead. Most beech has BBD, beech is mostly in the north half of the stand. The only records of a past harvest were from 1985-87, where all aspen, birch, and ironwood were removed. A few of these species still remain in the stand but are rare. Elm, white pine, and hemlock are also present but in trace amounts. Average ba/acre from 15 plots = 102 square feet. Stocking is somewhat variable, highest in the interior of the stand and lower along the slopes on the east and west sides. A few vernal pools and seasonally wet drainages are present in the stand. This stand is starting to display old-growth characteristics and should be left unmanaged as part of the Tin Shanty DHA. The 134 age was verified from an 18" DBH sugar maple.



Stand	and Level 4 Cover Type		•	Size Density		Acres Stand Age BA Range		Managed Site		General Comments	
52	320 - Upland Shrub)	Nonstocked		8.9 Unspecified		No		This stand was forested at one time, and a part of stand 49, but did not	
						Sub-Canopy Species	Density	Avg. Height	Size	regenerate following a clearcut in 1987 (Sawdust Pile Aspen, #53-009-84, Champion) due to browse. A portion of this stand (along the east edge)	
						Black Cherry	Medium	Variable	Tall Shrub	was burned in a wildfire in 2013 and extended into the G type (stand 132)	
						Balsam Fir	Trace		Sapling	in Comp 49. The middle part of this stand where the road ends is more of	
						Witch Hazel	Trace	5 - 10 feet	Tall Shrub	a G type and is a popular camping area.	
						Mixed Grasses	Full		Non-Wood		
						White Pine	Trace		Sapling		
						Sweet Fern	Low	< 5 feet	Tall Shrub		
						White Pine	Trace	>20 feet	Pole		
						Bigtooth Aspen	Low	>20 feet	Pole		
						White Spruce	Trace	>20 feet	Pole		
53	53 4130 - Aspen				er Well	46.0 54	81-110	N/A		High quality aspen stand with an excellent component of hardwoods that	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	are starting to recruit into the overstory. Specifically, areas dominated by quaking aspen tend to be heavier to hardwoods as the quaking aspen	
	American Elm	1	Pole/Sapling	6		Basswood	Trace	>20 feet	Sapling	appears to be in decline. The quaking aspen is not nearly as good of	
	White Ash	1	Pole/Sapling	6		White Ash	Low	>20 feet	Sapling	quality as the bigtooth aspen. Overall, this stand sits on very productive	
	Paper Birch	3	Pole/Sapling	6		Ironwood	Low	Variable	Sapling	soils and is appropriate for hardwoods. White ash used to be a large component of the stand, particularly at the north end of the stand, but it is	
	Bigtooth Aspen	53	Pole/Log	8	54	Paper Birch	Low	>20 feet	Sapling	now all dead. Other species that were present in the overstory but rare included white pine and red oak. Average ba/acre from 12 plots = 106	
	Basswood	4	Pole/Sapling	7		Red Maple	Medium	>20 feet	Sapling		
	Red Maple	5	Pole/Sapling	6		Sugar Maple	Medium	>20 feet	Sapling	square feet. Rolling terrain with steep slopes along the east side of the stand. Last entry there was an active goshawk nest in the eastern portion	
	Quaking Aspen	20	Pole/Log	9		Beech	Trace	Variable	Sapling	of the stand, check during the breeding season to see if it is still active.	
	Sugar Maple	12	Pole/Sapling	6		Black Cherry	Trace	Variable	Sapling	This stand should be managed on a longer rotation due to its hardwood	
	Ironwood	1	Pole/Sapling	g 5						component and the fact it grows on very good soils. The very high brow pressure in this area should also be noted, as the portion of this stand that was cut last entry to the east (stand 56), has been significantly browsed and is converting to a non-forested condition.	
54	6229 - Mixed	d lowland sl	hrub	Nonsto	cked	1.4 L	nspecified	No		-Possible bog, couldn't tell with the snow on the ground.	
						Sub-Canopy Species	Density	Avg. Height	Size		
						Tamarack	Trace		Sapling		
						Leatherleaf	Medium		Tall Shrub		
						White Pine	Trace		Pole		
						Broom Sedge	High		Non-Wood		
55	55 4130 - Aspen Poletimber Well		4.8 35 81-110 N/A			Small stand of moderate quality quaking aspen, sitting on a slight east-					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	facing slope. Heavy ironwood understory. Sugar maple regeneration is present in some areas but is not abundant throughout. Trace of elm and paper birch. Average ba/acre from4 plots = 82 square feet. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84),	
	Ironwood	10	Pole/Sapling	5		Red Oak	Trace	>20 feet	Sapling		
	Sugar Maple	1	Pole	7		Sugar Maple	Low	>20 feet	Sapling		
	Bigtooth Aspen	10	Pole/Log	8	35	White Ash	Trace	>20 feet	Sapling	bought by Champion. Still small diameters for a harvest but regardless a harvest should not be prescribed due to the very high deer and elk browse pressure in this area.	
	Quaking Aspen	79	Pole	7	35	Ironwood	Full	Variable	Sapling		
						Black Cherry	Low	Variable	Tall Shrub	•	



Stand	tand Level 4 Cover Type			Size D	ensity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
56	4130	- Aspen		Sapling	Medium	26.6	6	Immature	N/A		Stand cut in the winter of 2015-16 as part of Tubb's Creek Aspen (#53-
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	008-14-01). Bought and cut by Tulgetska. Whole-tree flail job. One small area of rutting in the SE portion of the stand, this area is now mostly non-
	Bigtooth Aspen	23	Sapling	1		Blad	ck Cherry	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	75	Sapling	1	6				1		regeneration came back pretty well, especially adjacent to the road, but
	White Pine	1	Log/Pole	11							as you get farther away from the road the browse intensity picks up, particularly in the far NW part of the stand which is being converted to a
	White Spruce	1	Log/Pole	12							non-forested condition. A few scattered residual oak, pine, and spruce
				•							were left. Retention areas were left around the two lowland areas as well as a pocket left along the road.
57	3105 - Mixed Upland Herbaceous			Nonst	ocked	3.5	l	Unspecified			-There is a well pad in this opening. State North Charlton 1-11. Vegetation looks mostly like knapweed and reed canary grass, although there does appear to be an area of little bluestem on the west side slope.
58	6229 - Mixed	nrub	Nonst	ocked	1.3	ı	Unspecified	No		A ring of quaking aspen was left as a buffer around the edges of this	
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	lowland when the surrounding stand was clearcut.
						Quak	king Aspen	Medium	>20 feet	Pole	
						S	Sedges	High		Non-Wood	
						Mich	nigan Holly	Low	5 - 10 feet	Tall Shrub	
						Wh	nite Pine	Trace		Sapling	
						Lea	atherleaf	Low		Tall Shrub	
59	4199 - Other Mixe	d Upland D	eciduous	Poletim	oer Well	16.6	78	81-110	N/A		Moderate to low quality hardwoods with a significant component of aspen. The aspen tends to be more numerous along the western and
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	southern edges. There are two age classes of aspen in the stand; the
	Basswood	2	Log/Pole	10			nite Pine	Low	Variable	Sapling	majority are younger and in the 8-11" size classes and then there are
	Paper Birch	8	Pole/Log	8		W	hite Ash	Trace	Variable	Sapling	some larger, older trees scattered infrequently throughout. This must be the result of a past species removal which removed most, but not all, of
	Red Maple	33	Pole/Log	8	78	Iro	onwood	Low	Variable	Sapling	the aspen. White pine is mostly along the south edge. Trace of white
	Bigtooth Aspen	31	Pole/Log	9	54	[Beech	Low	Variable	Sapling	spruce. Average ba/acre from 7 plots = 96 square feet. Rolling terrain.
	Red Oak	1	Log	14		Re	ed Maple	Low	Variable	Sapling	Historical occurrence of a stick nest along the east side (see OFS layer).
	White Pine	1	Pole/Log	8							This stand would be best managd in an even-aged manner but the browse pressure is too high in this area for successful regeneration. The
	Beech	4	Log/Pole	10							aspen will hold for many more years if browse pressure is ever reduced.
	Sugar Maple	20	Pole/Log	8							

Compartment: 48
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										DNR DNR
Stand	Level 4 C	over Type		Size Der	sity	Acres Stand Age B.	A Range	Managed	Site	General Comments
60	3301 - Low Dens	ity Deciduo	us Trees	Nonstoo	ked	3.2 Uı	nspecified	No		Small stand that is almost forested with scattered clumps of trees, and
					[Sub-Canopy Species	Density	Avg. Height	Size	sitting in somewhat of a valley. The southeastern end of the stand is on a steep side slope. White pine should continue to fill in over time.
					-	Blackberry/Raspberry	Low	< 5 feet	Tall Shruk	
					-	White Pine	Low	>20 feet	Log	
						Bracken Fern	Medium		Non-Wood	
					•	White Pine	Trace	>20 feet	Pole	
					Black Cherry	Medium	Variable	Tall Shruk		
					White Pine	Trace	Variable	Sapling		
					-	Quaking Aspen	Low	>20 feet	Pole	
						Ironwood	Low	Variable	Sapling	
						Mixed Grasses	High	Unspecified	Non-Wood	
						Paper Birch	Low	>20 feet	Pole	
61	4311 - Pin	ne, Aspen N	⁄lix P	Poletimber Well		5.9 53	81-110	N/A		Mix of pine and aspen. The aspen is very poor quality. There are a few
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	scattered, older aspen stems mixed in. Several areas are heavier to white pine. A couple of XL-sized white pine are present. Trace of paper birch.
	Bigtooth Aspen	43	Pole/Log	8	53	Ironwood	Low	< 5 feet	Seeding	Average ba/acre from 5 plots = 104 square feet. Let this stand convert to
	Quaking Aspen	8	Pole/Log	8		Black Cherry	Low	Variable	Tall Shruk	
	White Pine	43	Pole/Log	8		Sugar Maple	Low	5 - 10 feet	Sapling	saplings.
	Red Maple	3	Pole	7		Beech	Low	< 5 feet	Seeding	
	Sugar Maple	1	Pole	7		White Pine	High	>20 feet	Sapling	
	Balsam Fir	1	Pole	5						
	Red Oak	1	Log	14						
62	4130	- Aspen	Р	oletimbe	r Well	16.5 52	51-80	N/A		Moderate quality aspen stand that is still developing. The stand slopes
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	gently down to the east and site quality declines the further down the slope you travel. Most of the quaking aspen is along this eastern side and
	Red Maple	4	Pole	6		Red Oak	Trace	>20 feet	Sapling	is small diameter and unhealthy. Scattered open areas are also present
	Quaking Aspen	20	Pole	6		Ironwood	Low	< 5 feet	Seeding	along this eastern edge. A few scattered log-size residual hardwoods are
	0 1			52	White Pine	Trace	Variable	Sapling	present, mostly along the west edge. Other species that were present in the overstory but rare include paper birch, white pine, white spruce, and	
	Sugar Maple 2 Pole/Log 8				Balsam Fir	Low	Variable	Sapling	basswood. Trace of red oak saplings near the road. Average ba/acre	
	Balsam Fir 1 Pole			6		White Spruce	Trace	Variable	Sapling	from 7 plots = 70 square feet. Browse is a concern for regeneration
						Red Maple	Low	>20 feet	Sapling	success, as evidenced in adjacent stand 64.

Beech

Seeding

< 5 feet

Low

Pigeon River Country Mgt. Unit

Compartment: 48 Year of Entry: 2024



Stand	d Level 4 C	Size Density		Acres	Stand Age E	BA Range	<u> </u>		General Comments		
63	4111 - S.Maple, H		ssociation S	Sawtimber V		64.1	104	81-110 Density	N/A Avg. Height	Size	Nice northern hardwood stand with a component of very high quality red oak. This stand was thinned in the winter of 2017-18 as part of the
	Canopy Species Red Oak	23	Log/XLog	16 10			ed Maple	Low	5 - 10 feet	Sapling	Hidden Valley Hardwoods timber sale, #53-009-14-01. Bought and cut by Tulgetska. Very nice job on the sale with minimal damage to the residual.
	Red Maple	1	Pole	7	J4		nwood	Medium	< 5 feet	Seeding	
	Beech	2	Log/XLog	14			eech	Low	Variable	Sapling	point are ironwood and striped maple. Heavy elk use and browse in the
	Paper Birch	1	Pole/Log	9			ed Maple	Low	< 5 feet	Seeding	stand, including in the canopy gaps where sedge appears to be taking
	Basswood	24	Log	12		· '	nwood	High	Variable	Sapling	over due to the elk and deer. A few small areas were left unthinned as retention. A small seep/vernal pool is present in the middle of the stand
	Sugar Maple	49	Pole/Log	9 10	24		ite Ash	Low	< 5 feet	Seeding	and was also excluded using retention (see site conditions layer). Most of
	Sugai Maple	43	1 Ole/Log	9 10	74		herwood	Low	< 5 feet	Tall Shruk	the stand sits on a series of ridges and valleys on an eastern aspect. Most slopes are operable. Average ba/acre from 7 plots = 100 square
						Loan	nerweed	LOW	1 0 100t	Tall Office	feet. The far north end has a second age class of very large and old sugar maple. Continue to monitor canopy gaps for browse damage.
64	4130	- Aspen		Sapling Po	or	7.0	6	Immature	N/A		Stand cut in the winter of 2015-16 as part of Tubb's Creek Aspen (#53-
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Can	opy Species	Density	Avg. Height	Size	008-14-01). Bought and cut by Tulgetska. Whole-tree flail job. Retention pocket left along the road. Regeneration is being heavily impacted by
	White Pine	2	Log/Pole	11		Blac	k Cherry	Trace	5 - 10 feet	Tall Shrub	browse. A few pockets near the road look in good shape but the
	Bigtooth Aspen	47	Sapling	1				,			remainder of the regeneration does not and I'm not sure how much will
	Red Oak	1	Pole	9							survive. All of the residual paper birch that were left are now dead.
	Quaking Aspen	50	Sapling	1 6	5						
65	3105 - Mixed U	pland Herba	aceous	Nonstocke	ed	1.5		Inspecified	No		Small opening with a lot of bluestem. Not a managed opening and it shouldn't be due to the amount of beneficial native species. Popular
						Sub-Can	opy Species	Doneity	Ava Usiaht		
									Avg. Height	Size	camping spot at the north end near the berm.
						Blac	k Cherry	Low	Variable	Tall Shrub	
						Blac Suga	k Cherry ar Maple	Low	Variable >20 feet	Tall Shrub Sapling	
						Blac Suga Wh	k Cherry ar Maple ite Pine	Low Trace Low	Variable	Tall Shrub Sapling Log	
						Blac Suga Whi Mixed	k Cherry ar Maple ite Pine I Grasses	Low Trace Low Full	Variable >20 feet >20 feet	Tall Shruk Sapling Log Non-Wood	
						Blac Suga Whi Mixed Little	k Cherry ar Maple ite Pine I Grasses Bluestem	Low Trace Low Full High	Variable >20 feet >20 feet Unspecified	Tall Shruk Sapling Log Non-Wood Non-Wood	
						Blac Suga Whi Mixed Little Quaki	k Cherry ar Maple ite Pine I Grasses Bluestem ing Aspen	Low Trace Low Full High Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling	
						Blac Suga Wh Mixed Little Quaki	k Cherry ar Maple ite Pine I Grasses Bluestem ing Aspen ite Pine	Low Trace Low Full High Low Low	Variable >20 feet >20 feet Unspecified	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole	
						Blac Suga Wh Mixed Little Quaki Wh	k Cherry ar Maple ite Pine I Grasses Bluestem ng Aspen ite Pine I Knapweed	Low Trace Low Full High Low Low Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole Non-Wood	
						Blac Suga Wh Mixed Little Quaki Wh Spotted Brac	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern	Low Trace Low Full High Low Low Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet >20 feet	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole Non-Wood Non-Wood Non-Wood	
						Blackber	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry	Low Trace Low Full High Low Low Low Low Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shruk	
						Blackber	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern	Low Trace Low Full High Low Low Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet >20 feet	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole Non-Wood Non-Wood Non-Wood	
66	4130	- Aspen	S	Sawtimber V	Vell	Blackber	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry	Low Trace Low Full High Low Low Low Low Low	Variable >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet	Tall Shrut Sapling Log Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shrut Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly
66	4130 Canopy Species		S Size Class	Sawtimber V		Blackber Wh	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry ite Pine	Low Trace Low Full High Low Low Low Low Low Low Low Low	Variable >20 feet >20 feet Variable >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet Variable	Tall Shrut Sapling Log Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shrut Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen
66						Blacc Suga Wh Mixed Little Quaki Wh Spotted Bracc Blackber Wh 12.5 Sub-Car	k Cherry ar Maple ite Pine I Grasses Bluestem ing Aspen ite Pine I Knapweed ken Fern rry/Raspberry ite Pine	Low Trace Low Full High Low Low Low Low Low Low Low Low	Variable >20 feet >20 feet Variable >20 feet Unspecified 5 - 10 feet >20 feet Variable	Tall Shruk Sapling Log Non-Wood Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shruk Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch,
66	Canopy Species	% Cover	Size Class	DBH A		Blacc Suga Wh Mixed Little Quaki Wh Spotted Bracc Blackber Wh 12.5 Sub-Can	k Cherry ar Maple ite Pine I Grasses Bluestem ing Aspen ite Pine I Knapweed ken Fern ry/Raspberry ite Pine 53 https://www.com/ry/sappecies/	Low Trace Low Full High Low Low Low Low Low Low Density	Variable >20 feet >20 feet Variable 10 feet 11 feet 12 feet 12 feet 13 feet 14 Variable N/A Avg. Height	Tall Shruk Sapling Log Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shruk Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch, elm, and balsam fir. Average ba/acre from 6 plots = 102 square feet.
66	Canopy Species White Pine	% Cover	Size Class	DBH A		Blacc Suga Wh Mixed Little Quaki Wh Spotted Bracl Blackber Wh 12.5 Sub-Can Rec	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry ite Pine 53 hopy Species d Maple	Low Trace Low Full High Low	Variable >20 feet >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet Variable N/A Avg. Height Variable	Tall Shrut Sapling Log Non-Wood Sapling Pole Non-Wood Tall Shrut Sapling Size Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch, elm, and balsam fir. Average ba/acre from 6 plots = 102 square feet. Regeneration success if very unlikely due to the high browse pressure in
66	Canopy Species White Pine Red Oak	% Cover 1 2 10	Size Class Pole Log/XLog	7 17 10	ge	Blacc Suga Wh Mixed Little Quaki Wh Spotted Brack Blackber Wh 12.5 Sub-Can Rec Wh	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry ite Pine 53 hopy Species d Maple ite Pine	Low Trace Low Full High Low Low Low Low Low Low Low Low Trace	Variable >20 feet >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet Variable N/A Avg. Height Variable Variable	Tall Shruk Sapling Log Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shruk Sapling Size Sapling Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch, elm, and balsam fir. Average ba/acre from 6 plots = 102 square feet. Regeneration success if very unlikely due to the high browse pressure in the area. Let the aspen senesce and convert to hardwoods.
66	Canopy Species White Pine Red Oak Quaking Aspen	% Cover 1 2 10	Size Class Pole Log/XLog Log/Pole	7 17 10	ge	Black Suga Wh Mixed Little Quaki Wh Spotted Brack Blackber Wh 12.5 Sub-Can Rec Wh Iro	k Cherry ar Maple ite Pine d Grasses Bluestem ing Aspen ite Pine l Knapweed ken Fern ry/Raspberry ite Pine 53 hopy Species d Maple ite Pine nwood	Low Trace Low Full High Low Low Low Low Low Low Trace Low Trace Low	Variable >20 feet >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet Variable N/A Avg. Height Variable Variable Variable Variable	Tall Shrut Sapling Log Non-Wood Sapling Pole Non-Wood Non-Wood Tall Shrut Sapling Size Sapling Sapling Sapling Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch, elm, and balsam fir. Average ba/acre from 6 plots = 102 square feet. Regeneration success if very unlikely due to the high browse pressure in the area. Let the aspen senesce and convert to hardwoods.
66	Canopy Species White Pine Red Oak Quaking Aspen Bigtooth Aspen	% Cover 1 2 10 83	Size Class Pole Log/XLog Log/Pole Log/Pole/XLog	7 17 10 g 10 5	ge	Blacc Suga Wh Mixed Little Quaki Wh Spotted Bracc Blackber Wh 12.5 Sub-Car Recc Wh Iro Re Suga	k Cherry ar Maple ite Pine I Grasses Bluestem ing Aspen ite Pine I Knapweed ken Fern ry/Raspberry ite Pine 53 hopy Species Maple ite Pine nwood d Oak	Low Trace Low Full High Low Low Low Low Low Low Low Low Trace Low Trace Low Trace	Variable >20 feet >20 feet >20 feet Unspecified 5 - 10 feet >20 feet < 5 feet Variable N/A Avg. Height Variable Variable Variable >20 feet	Tall Shruk Sapling Log Non-Wood Sapling Pole Non-Wood Tall Shruk Sapling Size Sapling Sapling Sapling Sapling	Nice aspen stand with an excellent understory of hardwoods, particularly sugar maple, which is present throughout the entire stand. Aspen diameters vary somewhat with some areas with larger stems. Other species that were present in the overstory but rare included paper birch, elm, and balsam fir. Average ba/acre from 6 plots = 102 square feet. Regeneration success if very unlikely due to the high browse pressure in the area. Let the aspen senesce and convert to hardwoods.



Stand Level 4 Cover Type		S	Size Density		Acres	cres Stand Age BA Range		Managed Site		General Comments	
67	6120 - Low	vland Ceda	ar Po	oletimb	er Well	60.6	138	111-140	N/A		Generally healthy cedar stand except for the middle part of the stand
	Canopy Species % Cover Size Class		Size Class	DBH	Age	Sub-Car	b-Canopy Species		Avg. Height	Size	where there is some decline. Some areas of decent quality along the upland edge but most of the stand is only middling quality cedar on very
	Black Spruce	10	Pole	7		Bal	sam Fir	Medium	Variable	Sapling	wet soils. Several seasonal streams run through the stand, joining with
	Tamarack	4	Log	10		Whit	e Spruce	Low	< 5 feet	Sapling	Tubbs Creek to the east.
	Red Maple	2	Pole/Log	8							-
	Balsam Poplar	2	Log	10							
(Quaking Aspen	1	Log	15							
	Balsam Fir	4	Pole/Sapling	6							
	White Spruce	4	Pole/Log	9							
Nor	rthern White Cedar	73	Pole/Log	8	138						
68	3105 - Mixed Up	land Herb	aceous	Nonsto	cked	2.4	U	nspecified	No		Small open area. Both sides of the road were used as landings in the
						Sub-Car	nopy Species	Density	Avg. Height	Size	past couple of years for separate timber sales. The west end near the berm is a popular camping spot.
						Blac	k Cherry	Trace	Variable	Tall Shrub	
						Spotted	d Knapweed	Medium		Non-Wood	
						Mixed	d Grasses	Full		Non-Wood	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	cked	0.9		Full nspecified	No	Non-Wood	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	cked	0.9		nspecified	No Avg. Height	Non-Wood	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Car	U	nspecified			
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Cai	Unopy Species	nspecified Density	Avg. Height	Size	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Ca l Bal Whit	U nopy Species sam Fir	nspecified Density Trace	Avg. Height >20 feet	Size Pole	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Car Bal Whit	U nopy Species sam Fir e Spruce	nspecified Density Trace Trace	Avg. Height >20 feet	Size Pole Pole	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	cked	0.9 Sub-Car Bal Whit Mixed	Unopy Species sam Fir e Spruce d Grasses	nspecified Density Trace Trace Full	Avg. Height >20 feet >20 feet	Size Pole Pole Non-Wood	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Cal Bal White Mixed Wh	Unopy Species sam Fir e Spruce d Grasses ite Pine	nspecified Density Trace Trace Full Trace	Avg. Height >20 feet >20 feet	Size Pole Pole Non-Wood Sapling	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Cal Bal White Mixee Wh Brace Blackbel	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern	nspecified Density Trace Trace Full Trace Medium	Avg. Height >20 feet >20 feet	Size Pole Pole Non-Wood Sapling Non-Wood	
69	3105 - Mixed Up	oland Herb	aceous	Nonsto	ocked	0.9 Sub-Cai Bai Whit Mixed Wh Brace Blackbei	Unopy Species sam Fir e Spruce d Grasses itte Pine ken Fern rry/Raspberry	nspecified Density Trace Trace Full Trace Medium Low	Avg. Height >20 feet >20 feet Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub	
69 70	3105 - Mixed Up				ocked [0.9 Sub-Car Bal White Mixee Wh Brace Blackbel Bal	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern rry/Raspberry sam Fir	nspecified Density Trace Trace Full Trace Medium Low Trace	Avg. Height >20 feet >20 feet Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling	Moderate quality aspen stand that is just reaching merchantability. This
70			onifer Po	oletimb		0.9 Sub-Cal Bal White Mixed Wh Brac Blackbel Bal Blac	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern rry/Raspberry sam Fir k Cherry	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110	Avg. Height >20 feet >20 feet Variable Variable Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84)
70	4136 - Aspen,	, Mixed Co	onifer Po	oletimb	er Well	0.9 Sub-Cal Bal White Wh Brac Blackbel Bal Blac 16.9 Sub-Cal	Unopy Species sam Fir e Spruce d Grasses itte Pine ken Fern rry/Raspberry sam Fir k Cherry	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110	Avg. Height >20 feet >20 feet Variable Variable Variable N/A	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of
70	4136 - Aspen, Canopy Species	, Mixed Co % Cove r	onifer Po	oletimb DBH	er Well	0.9 Sub-Cal Bal White Mixee Wh Brace Blackbel Bal Blace 16.9 Sub-Cal	nopy Species sam Fir e Spruce d Grasses itte Pine ken Fern rry/Raspberry sam Fir k Cherry 35 nopy Species	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs
70	4136 - Aspen, Canopy Species Bigtooth Aspen	, Mixed Co % Cover 32	onifer Po Size Class Pole/Sapling	DIetimb DBH	er Well	0.9 Sub-Cai Bai Whit Mixee Wr Brace Blackbee Bai Blace 16.9 Sub-Cai Re	Denopy Species sam Fir e Spruce d Grasses ite Pine eken Fern rry/Raspberry sam Fir ek Cherry 35 nopy Species ek Cherry	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density Low	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs that weren't cut and have mainly cedar. The west/southwest half of the
70	4136 - Aspen, Canopy Species Bigtooth Aspen White Spruce	, Mixed Co % Cover 32 1	onifer Po Size Class Pole/Sapling Pole	DBH 6	er Well	0.9 Sub-Cai Bai Whit Mixed Wh Brace Blackbei Bai Blace 16.9 Sub-Cai Blace Re Bai	nopy Species sam Fir e Spruce d Grasses ite Pine eken Fern rry/Raspberry sam Fir ek Cherry 35 nopy Species ek Cherry d Maple	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density Low Low Low	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height Variable Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub Size Sapling Sapling	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs that weren't cut and have mainly cedar. The west/southwest half of the stand is primarily upland on rolling terrain. Bigtooth aspen, red maple, and white pine are mostly in this area. Aspen diameters overall vary
70	4136 - Aspen, Canopy Species Bigtooth Aspen White Spruce White Pine	, Mixed Co **Cover* 32 1 3	onifer Po Size Class Pole/Sapling Pole Pole	DBH 6 8 6	er Well	0.9 Sub-Cai Bai Whit Mixed Wh Brace Blackbei Bai Blace 16.9 Sub-Cai Blace Re Bai	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern rry/Raspberry sam Fir ek Cherry 35 nopy Species k Cherry d Maple sam Fir	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density Low Low Low Low Low	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height Variable Variable Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs that weren't cut and have mainly cedar. The west/southwest half of the stand is primarily upland on rolling terrain. Bigtooth aspen, red maple, and white pine are mostly in this area. Aspen diameters overall vary considerably, with some areas still being sub-merchantable. Trace of
70	4136 - Aspen, Canopy Species Bigtooth Aspen White Spruce White Pine Red Maple	, Mixed Co **Cover* 32	onifer Po Size Class Pole/Sapling Pole Pole Pole/Log	DBH 6 8 6 8	er Well	0.9 Sub-Cai Bai Whit Mixed Wh Brace Blackbei Bai Blace 16.9 Sub-Cai Blace Re Bai	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern rry/Raspberry sam Fir ek Cherry 35 nopy Species k Cherry d Maple sam Fir	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density Low Low Low Low Low	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height Variable Variable Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs that weren't cut and have mainly cedar. The west/southwest half of the stand is primarily upland on rolling terrain. Bigtooth aspen, red maple, and white pine are mostly in this area. Aspen diameters overall vary considerably, with some areas still being sub-merchantable. Trace of paper birch, red oak, and tamarack in the overstory. Average ba/acre
70	4136 - Aspen, Canopy Species Bigtooth Aspen White Spruce White Pine Red Maple Black Spruce	, Mixed Co **Cover* 32	onifer Po Size Class Pole/Sapling Pole Pole Pole/Log Pole	Detimbole	er Well	0.9 Sub-Cai Bai Whit Mixed Wh Brace Blackbei Bai Blace 16.9 Sub-Cai Blace Re Bai	Unopy Species sam Fir e Spruce d Grasses ite Pine ken Fern rry/Raspberry sam Fir ek Cherry 35 nopy Species k Cherry d Maple sam Fir	nspecified Density Trace Trace Full Trace Medium Low Trace Low 81-110 Density Low Low Low Low Low	Avg. Height >20 feet >20 feet Variable Variable Variable N/A Avg. Height Variable Variable Variable	Size Pole Pole Non-Wood Sapling Non-Wood Tall Shrub Sapling Tall Shrub Size Sapling Sapling Sapling	Moderate quality aspen stand that is just reaching merchantability. This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84) bought by Champion. This stand varies considerably in terrain and species composition. The east/northeast half of the stand is a mix of upland ridges dominated by quaking aspen and fir, and lowland troughs that weren't cut and have mainly cedar. The west/southwest half of the stand is primarily upland on rolling terrain. Bigtooth aspen, red maple, and white pine are mostly in this area. Aspen diameters overall vary considerably, with some areas still being sub-merchantable. Trace of



Stan	d Level 4 C	over Type	Size Density		Acres Stand Age BA Range			Managed 9	Site	General Comments					
71	4130	- Aspen	Po	oletimb	er Well	39.1	35	51-80	N/A		This stand was clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84), bought by Champion. It has developed into a nice stand with a good				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	mix of other species. The sugar maple component is more prominent				
	White Pine	9	Pole/Sapling	6		Leat	herwood	Low	< 5 feet	Tall Shrub	along the northern stand edge. Red oak regenerated well in areas, most				
	Bigtooth Aspen	55	Pole/Sapling	6	35	Red	d Maple	Medium	>20 feet	Sapling	prevalent in the southwest 1/2 of the stand. White pine is mostly present				
	Sugar Maple	2	Pole/Sapling	5		Witc	ch Hazel	Medium	5 - 10 feet	Tall Shrub	in a few veins (see imagery). Aspen diameters vary considerably, they tend to be much larger along the north half of the stand, ranging				
	Quaking Aspen	10	Pole/Sapling	5		Iro	nwood	Low	Variable	Sapling	anywhere from 7-10" DBH, while they're much smaller in the south half,				
	Red Maple	16	Pole/Sapling	5		Suga	ar Maple	Medium	>20 feet	Sapling	ranging about 4-6" DBH. Witch hazel becomes abundant along the				
	Red Oak	8	Pole/Log	8		Wh	ite Pine	Low	Variable	Sapling	southern edge of the stand. Average ba/acre of the stand from 11 plots = 79 square feet. Rolling terrain with some steep slopes but none that are				
		Mixed Upland Herbaceous		3105 - Mixed Upland Herbad											inoperable. Two vernal pools at the far eastern end of the stand (see site conditions). This stand may be ready for a treatment next entry, but more likely in two entries. Reserve the young oak and pine component. Manage together with stands 3 and 5 in adjacent Compartment 47.
72	3105 - Mixed Up	oland Herb	aceous	Nonsto	cked	1.4		Jnspecified	No		Used as a landing when stand 77 was cut. Mostly grass, bracken fern, and knapweed. Appears to be somewhat of a degraded site.				
							opy Species		Avg. Height	Size					
							ken Fern	Medium		Non-Wood					
							ch Hazel	Trace	5 - 10 feet	Tall Shrub					
							ite Pine	Trace	>20 feet	Pole					
						'	I Knapweed	Medium	Unspecified	Non-Wood					
							dges/Grasses		.,	Non-Wood					
							nwood	Trace	Variable	Sapling					
							ry/Raspberry	Low	< 5 feet	Tall Shrub					
						Віас	k Cherry	Low	5 - 10 feet	Tall Shrub					
73	42201 - Natural ' Dec	White Pine iduous	, Mixed Po	oletimb	er Well	1.0	35	111-140	N/A		Small pocket dominated by white pine. A couple of larger red maple mixed in. 2 large red oak at the north end of the stand. Average ba/acre				
	Canopy Species	% Cover	Size Class	DBH	Age						from 2 plots = 125 square feet. Stand sits on a slight side-slope.				
	Red Oak	2	XLog	20	J										
	Quaking Aspen	5	Pole/Sapling	5											
	Red Maple	8	Pole/Log	8											
	White Pine	60	Pole/Sap/Log	7	35										
	Bigtooth Aspen	25	Pole/Sapling	5	35										
74	4130	- Aspen	Sa	apling N	/ledium	32.3	6	Immature	N/A		Stand cut in the winter of 2015-16 as part of Tubb's Creek Aspen (#53-				
	Canopy Species	% Cover	Size Class	DBH	Age						008-14-01). Bought and cut by Tulgetska. Whole-tree flail job. All oak, birch, and pine left as well as some scattered poor-quality aspen. The few				
	Red Oak	2	Pole/Sap/Log	6	-						birch that were left are still healthy and alive. Red oak saplings were				
	White Pine	5	Pole/Log	8							protected as well, mostly along the western ridgeline. Three retention				
	White Spruce	1	Pole	8							pockets; one along the road, one along a steep ridgeline to the north, and one small interior pocket. Regeneration is being hammered by browse				
	Bigtooth Aspen	67	Sapling	1	6						in most places. At this point a lot of it still appears alive but a few more				
	Quaking Aspen	25	Sapling	1							years of heavy browse will likely kill it all. Prior to cutting this was a very				
											high quality aspen stand, see retention pockets and stand 107 for what it used to look like.				



										Year of Entry: 2024		
Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed Site		General Comments		
75	4136 - Asper	n, Mixed Co	nifer P	oletimber Poo	5.6	25	1-50	N/A		This stand was clearcut in 1997 in the sale Old Grade Aspen Blocks (#53-		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	004-95, Kare Logging) but browsing severely impeded regeneration success. The east half of the stand has a few aspen clones that survived,		
	White Spruce	8	Pole	6	W	hite Pine	Medium	Variable	Sapling	but the west half is mostly devoid of regeneration except for some bushy		
	White Pine	12	Pole/Sapling	5	lı	ronwood	Low	Variable	Sapling	white pine that are starting to fill in. Some smaller residual oak can be		
	Sugar Maple	2	Log	12	Wi	itch Hazel	Low	5 - 10 feet	Tall Shruk	found in the western half as well. Red maple and ironwood seedlings are present and trying to recruit, but both species are being heavily browsed.		
	Bigtooth Aspen	73	Pole/Sapling	5 25	Bla	ack Cherry	Medium	Variable	Tall Shruk	Unfortunately this is what the aftermath of an aspen clearcut in the PRC		
	Red Oak	5	Log/Pole	10						now typically looks like.		
76	6239 - Mixed E	mergent W	etland	Nonstocked	6.5	U	nspecified	No		Tubbs Creek flows through this stand. An old beaver dam is present in		
					Sub-Ca	anopy Species	Density	Avg. Height	Size	the narrow middle part of the stand. This stand has been flooded at various times due to beavers, see 98 DOQ imagery for the last major		
					W	illow spp.	Trace	Variable	Tall Shrub	flooding, which resulted in the mortality of lots of cedar which used to		
					T	amarack	Trace	Variable	Sapling	grow in the stand. A small clump of invasive phragmites was found in the		
					Т	ag Alder	Low	10 - 20 feet	Tall Shruk	southwest part of the stand, in an area of heavy cedar mortality.		
					Norther	n White Cedar	Trace	>20 feet	Pole			
					Pa	aper Birch	Trace	Variable	Sapling			
					Wh	ite Spruce	Trace	< 5 feet	Seeding			
					Ca	attail spp.	Low	Unspecified	Non-Wood			
					;	Sedges	Full	Unspecified	Non-Wood			
					T	amarack	Trace	< 5 feet	Seeding			
					Bals	sam Poplar	Trace	Variable	Sapling			
					Phrag	gmities (spp.)	Trace	Unspecified	Non-Wood			
					Ва	alsam Fir	Trace	>20 feet	Pole			
						sier Dogwood	Trace	< 5 feet	Tall Shruk			
						ted Raspberry	Medium	< 5 feet	Tall Shrub			
					Ba	alsam Fir	Trace	< 5 feet	Seeding			
77	4130	- Aspen	S	apling Medium	20.5	6 I	mmature	N/A		Stand cut in the winter of 2015-16 as part of Tubb's Creek Aspen (#53-008-14-01). Bought and cut by Tulgetska. Whole-tree flail job. Residual		
	Canopy Species	% Cover	Size Class	DBH Age						oak and pine left, most of which is located in the narrower strip in		
	White Pine	8	Log/XLog	15						between the two retention pockets. Regeneration in the east half of the		
	Red Oak 2 Log 14									stand looks pretty good and is heavier to quaking aspen. Browse intensity picks up in the west half of the stand and is negatively impacting		
	Bigtooth Aspen	40	Sapling	1 6						regeneration success. As of now this stand passes aspen regeneration		

Quaking Aspen

50

Sapling

6

browse pressure subsides.

stocking guidelines but should be continually monitored to see if the



Stand	Level 4 C	Level 4 Cover Type		Cover Type Size		Size Density		Acres	Stand Age B	A Range	Managed :	Site	General Comments		
78	6239 - Mixed E	Emergent W	/etland	Nonsto	cked	10.5	U	nspecified	No		Tubbs Creek runs through this stand. A small tributary to Tubbs Creek				
						Sub-Ca	nopy Species	Density	Avg. Height	Size	also runs south to north through the east part of the stand. From older imagery it looks like much of this stand was flooded at one time due to				
						Wi	low spp.	Trace	Variable	Tall Shrub	beavers.				
						Bals	am Poplar	Trace	Variable	Sapling					
						Sedges		Full	Unspecified	Non-Wood					
						Ta	ng Alder	Medium	5 - 10 feet	Tall Shrub					
					Whi	te Spruce	Trace	< 5 feet	Seeding						
										Ca	ttail spp.	Trace	Unspecified	Non-Wood	
					Ва	lsam Fir	Trace	< 5 feet	Seeding						
79	4130	4130 - Aspen Sapling We			Well	23.8	25 I	mmature	N/A		This stand was clearcut in 1997 in the sale Old Grade Aspen Blocks (#53-				
	Canopy Species	% Cover				Sub-Ca	nopy Species	Density	Avg. Height	Size	004-95, Kare Logging), paper birch, aspen, and maple was the primary cut volume. While birch regeneration is absent there is pretty good				
	White Spruce	4	Pole/Sapling			Whi	te Spruce	Low	Variable	Sapling	looking aspen regeneration throughout the stand. Fir and spruce				
	Red Oak	5	Log/XLog/Pole	16		White Pine Red Pine		High	Variable	Sapling	becomes common along the far southern edge of the stand, with less				
	Bigtooth Aspen	63	Sapling/Pole	4	25			Trace	Variable	Sapling	aspen, which is likely due to beavers many years ago. White pine regen is common in this area too, as well as along the western side of the				
	White Pine	10	Pole/Sap/Log	5		Blad	ck Cherry	Low	Variable	Tall Shrub	stand. Scattered clumps of mature red oak, white pine, and red pine are				
	Red Pine	1	Log/XLog	15	61	Iro	onwood	Low	Variable	Sapling	mixed in throughout, with oak mostly being in the north half of the stand.				
	Balsam Fir	2	Sapling	3		Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	Heavy browse on red maple seedlings in some places. This stand slopes down to the south with there appearing to be some seasonally wet areas				
	Quaking Aspen	15	Sapling	3		Ва	lsam Fir	Low	Variable	Sapling	the closer you get to the southern edge. Trace of tamarack poletimber				
											and saplings.				
80	4311 - Pin	ne, Aspen N	Mix Sa	awtimb	er Well	3.7	78	111-140	N/A		Mix of aspen and white pine, although pine is dominant. The aspen is				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mostly poor quality with crooked stems and lots of rot, the pine is much better quality. A variety of white pine diameters are present including				
	Red Maple	8	Pole	6		Re	d Maple	Low	>20 feet	Sapling	some trees close to legacy size. Some pockets of nice advanced white				
	Quaking Aspen 10 Log/Pole 10 Balsam Fir 2 Pole 6					Ва	lsam Fir	Trace	Variable	Sapling	pine regen are present in the south half. The far south end of the stand				
						Wit	ch Hazel	Trace	5 - 10 feet	Tall Shrub	has most of the fir and red pine. Trace of sugar maple, white spruce, red oak, and paper birch. Average ba/acre from 5 plots = 134 square feet.				
	Red Pine 5 Pole/Log 8				WI	nite Pine	Medium	Variable	Sapling	The north half of the stand sits on a relatively steep west-facing slope.					
	Bigtooth Aspen 26 Log/Pole 11														
	White Pine 49 Log/Pole/XLog				78										

Compartment: 48
Year of Entry: 2024



Stand	Level 4 Co	over Type	er Type Size Dens			Acres	Stand Age E	BA Range	Managed 9	Site	General Comments
81	330 - Low-D	Density Tre	ees	Nonsto	cked	1.8	ι	Inspecified	No		This stand was used as the main landing when stand 98 was cut. It has since filled in with scattered trees. There are signs of old road excavation
						Sub-Ca	nopy Species	Density	Avg. Height	Size	at the north end where they crossed Tubbs Creek.
						Qua	king Aspen	Low	>20 feet	Pole	at the notal one whole they elected habbe clock.
						Wh	ite Spruce	Low	Variable	Sapling	
						Mixe	ed Grasses	High	Unspecified	Non-Wood	
						Re	ed Maple	Trace	>20 feet	Pole	
						Bra	cken Fern	Medium	Unspecified	Non-Wood	
						Bla	ck Cherry	Low	Variable	Tall Shrub	
						W	hite Pine	Low	Variable	Sapling	
						Ва	alsam Fir	Medium	>20 feet	Pole	
						Wh	ite Spruce			Log	
						Ва	alsam Fir	Medium		Sapling	
						Bals	am Poplar	Trace	5 - 10 feet	Sapling	
82	4130 -	- Aspen	Po	oletimb	er Well	3.1	49	81-110	N/A		Small stand of aspen poletimber that wasn't cut when the surrounding
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand was cut. The stand sits on a moderate south-facing slope. Average ba/acre from 3 plots = 110 square feet. Manage this stand together with
	Quaking Aspen	10	Pole/Log	8		Bla	ck Cherry	Low	5 - 10 feet	Tall Shrub	
	Red Oak	10 4 77	Log/Pole	0		Wi	tch Hazel	Low	5 - 10 feet	Tall Shrub	following a wildfire.
	Bigtooth Aspen			8	49	Re	ed Maple	Low	>20 feet	Sapling	
	Red Maple	9	Pole	7		W	hite Pine	Medium	5 - 10 feet	Sapling	
83	42200 - Natu	ıral White	Pine S	Sawtimber		33.5	80	81-110	N/A		White pine dominated stand with variable stocking and species
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	composition. The white pine is generally good quality with all four size classes present (sap/pole/log/xl), including numerous legacy trees. In
	Quaking Aspen	18	Log/Pole	11		W	hite Pine	Medium	Variable	Sapling	general, diameters tend to be largest at the east end of the stand. This
	White Pine	69	Log/Pole/XLog	12	80	Bla	ck Cherry	Trace	Variable	Tall Shruk	end of the stand may have been thinned at one time as there is less of
	Bigtooth Aspen	2	Log	12		Wh	ite Spruce	Trace	Variable	Sapling	an understory and mostly just pine and aspen in the overstory (or possibly burned in a wildfire). Quaking aspen is generally poor quality and
	White Spruce	1	Log/Pole	10		Wi	tch Hazel	Trace	5 - 10 feet	Tall Shrub	in decline, with lots of conks and rot. Terrain throughout the stand is
	Balsam Fir	5	Pole	6		Ва	alsam Fir	Medium	Variable	Sapling	mostly flat to gently rolling. Other species that were present in the
	Red Pine	2	Log	12		Re	ed Maple	Trace	Variable	Sapling	overstory but rare include red oak and paper birch. Average ba/acre of the stand from 12 plots = 105 square feet. Previously, an active goshawk
	Red Maple	3	Pole/Log	8							nest was identified in the east end of the stand, west of Sawdust Pile
		3 Pole/Log									Road. No need for management at this time. Let the aspen continue to die and benefit cavity nesting wildlife species. Look at a potential thinning treatment next entry if basal areas have increased enough.
84	6139 - Mixed	Lowland F	orest Sav	vtimbe	Mediu	m 2.3	90	51-80	N/A		-Tubb's Creek runs through this stand.
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	9	Log	11		Wh	ite Spruce	Low	< 5 feet	Sapling	
No	rthern White Cedar	5	Log	12		Ta	ag Alder	Medium	10 - 20 feet	Tall Shrub	
	White Spruce	40	Log	12		alsam Fir	Low	Variable			
	White Pine	2	XLog/Log	18				'	1	,	-
	Paper Birch	18	Pole	9							

Red Maple

26

9

Pole/Log



Stand Level 4 Cove		over Type	S	Size Density Sawtimber Well		Acres Stand Age	Managed S	Site	General Comments	
85	4319 - Mixed	4319 - Mixed Upland Forest				6.6 73	81-110	N/A		Mixed species stand with several age classes present. The eastern edge of the stand has a few clumps of younger aspen that were likely cut at the
С	Canopy Species	% Cover	Size Class			Sub-Canopy Specie	Density	Avg. Height	Size	same time as stand 109 to the east in Compartment 49. The remainder
	Red Maple	16	Log/Pole	14		Balsam Fir	Full	Variable	Sapling	of the aspen in the stand is large diameter and old, including a few trees
I	Paper Birch	4	Log/Pole	10		Tag Alder	Trace	10 - 20 feet	Tall Shrub	over 25" DBH. Fir is heavy in the understory and starting to recruit into
	Balsam Fir	28	Pole/Sap/Log	6		White Spruce	Low	Variable	Sapling	the overstory in places, eventually it will be the dominant species in the stand. Average ba/acre of the stand from 8 plots = 96 square feet. This
V	White Spruce	14	Pole/Log	9			'			stand is split into two sections by a wet drainage in a small ravine that
В	Black Spruce	3	Pole	6						flows north through the middle of the stand. The east half of the stand
Bi	igtooth Aspen	5	Log/XLog	15						could be available to manage with adjacent stands in Compartment 49 but may be better left alone to discourage beaver activity on Tubbs
Qı	uaking Aspen	30	Log/Pole/XLog	12	73					Creek.
86	6124 - Lowla	and Spruce	e-Fir Pole	timbe	Medium	n 2.1 87	51-80	N/A		Wet stand with several areas of low stocking. Much of the cedar is in
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	decline except for along the north and south edges. Lots of blowdown in the interior. Some nicer quality spruce along the north and south edges.
Qı	uaking Aspen	8	Pole/Log	9		Tag Alder	High	10 - 20 feet	Tall Shrub	Black ash used to be a component of the stand but is now all dead.
	Balsam Fir	30	Pole	7		Balsam Fir	Medium	Variable	Sapling	Average ba/acre from 3 plots = 57 square feet. Tubbs Creek flows
North	nern White Cedar	20	Log/Pole	10		White Spruce	Trace	Variable	Sapling	through the middle of the stand. No management.
	Red Maple	4	Log	12						
	Balsam Poplar	7	Pole	8						
В	•	7 31	Pole Log/Pole	10	87					
Ва V	Balsam Poplar White Spruce 4191 - Mixed Upla	31	Log/Pole	10	87 er Well	13.8 90	81-110	N/A		Mixed species stand with some good quality red maple and birch. Some birch decline noted but the majority are still healthy. Bigtooth aspen
87	Balsam Poplar White Spruce 4191 - Mixed Upla	31 and Decidu	Log/Pole	10 awtimb		13.8 90 Sub-Canopy Species		N/A Avg. Height	Size	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the
87 C	Balsam Poplar White Spruce 4191 - Mixed Upla Co	31 and Decidu	Log/Pole	10 awtimb	er Well				Size Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory.
87 C	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species	and Deciduonifer % Cover	Log/Pole uous with Sa Size Class	10 awtimb	er Well	Sub-Canopy Species	S Density	Avg. Height		birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen	and Decidu onifer % Cover	Log/Pole uous with Sa Size Class Log/Pole	10 wtimb DBH 11	er Well	Sub-Canopy Species	S Density Medium	Avg. Height Variable	Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir	and Deciduonifer **Cover** 12	Log/Pole Jous with Sa Size Class Log/Pole Pole	10 DBH 11 6	er Well	Sub-Canopy Species Balsam Fir White Pine	Medium Trace	Avg. Height Variable Variable	Sapling Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce	31 and Deciduonifer **Cover** 12 14 8	Log/Pole sous with Sa Size Class Log/Pole Pole Log/Pole	10 DBH 11 6 12	er Well	Sub-Canopy Species Balsam Fir White Pine Black Cherry	Medium Trace Low	Avg. Height Variable Variable Variable	Sapling Sapling Tall Shrub	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch	and Deciduonifer **Cover* 12 14 8 30	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole	10 DBH 11 6 12	er Well	Sub-Canopy Specie: Balsam Fir White Pine Black Cherry Tag Alder	Medium Trace Low Trace	Avg. Height Variable Variable Variable 10 - 20 feet	Sapling Sapling Tall Shrub Tall Shrub	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple	31 and Deciduonifer **Cover* 12 14 8 30 1 23	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/Pole Log/XLog Pole/Log	10 DBH 11 6 12 11 13 9	er Well	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce	Medium Trace Low Trace Trace	Avg. Height Variable Variable Variable 10 - 20 feet 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub Tall Shrub	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple	and Deciduonifer Cover 12 14 8 30 1 23 Coniferous iduous	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/Pole Log/XLog Pole/Log	10 DBH 11 6 12 11 13 9	er Well Age	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce	Medium Trace Low Trace Trace Trace Trace Trace Trace	Avg. Height Variable Variable Variable 10 - 20 feet 5 - 10 feet Variable	Sapling Sapling Tall Shrub Tall Shrub Tall Shrub	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland C	and Deciduonifer Cover 12 14 8 30 1 23 Coniferous iduous	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/Pole Log/XLog Pole/Log S, Mixed Pole	10 DBH 11 6 12 11 13 9	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce	Medium Trace Low Trace Trace Trace Trace Trace Trace	Avg. Height Variable Variable Variable 10 - 20 feet 5 - 10 feet Variable	Sapling Sapling Tall Shrub Tall Shrub Tall Shrub Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland Co Deci	31 and Deciduonifer % Cover 12 14 8 30 1 23 Coniferousiduous % Cover	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/XLog Pole/Log Size Class	10 DBH 11 6 12 11 13 9 ottimber	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce 1 5.3 93 Sub-Canopy Species	Medium Trace Low Trace Trace Trace Trace Trace Trace Trace Density	Avg. Height Variable Variable Variable 10 - 20 feet 5 - 10 feet Variable N/A Avg. Height	Sapling Sapling Tall Shrub Tall Shrub Tall Shrub Sapling Size	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north through the western part of the stand, eventually joining with Tubbs
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland O Deci Canopy Species Paper Birch	and Deciduonifer Cover 12 14 8 30 1 23 Coniferous iduous Cover 8	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/XLog Pole/Log Size Class Pole	10 DBH 11 6 12 11 13 9 etimbel DBH 8	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce 1 5.3 93 Sub-Canopy Species Balsam Fir	Medium Trace Low Trace Trace Trace Trace Trace Trace Medium	Avg. Height Variable Variable Variable 10 - 20 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Tall Shrub Tall Shrub Sapling Size Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north through the western part of the stand, eventually joining with Tubbs Creek. Did not visit the part of the stand west of this creek. Average ba/acre from 3 plots = 87 square feet.
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland O Deci Canopy Species Paper Birch Balsam Poplar	31 and Deciduonifer % Cover 12 14 8 30 1 23 Coniferous iduous % Cover 8 6	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Yole Log/XLog Pole/Log Size Class Pole Log/Pole	10	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce 1 5.3 93 Sub-Canopy Species Balsam Fir Black Ash	Medium Trace Low Trace Trace Trace Trace Trace Medium Trace Trace	Avg. Height Variable Variable 10 - 20 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable	Sapling Sapling Tall Shrub Tall Shrub Sapling Sapling Size Sapling Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north through the western part of the stand, eventually joining with Tubbs Creek. Did not visit the part of the stand west of this creek. Average ba/acre from 3 plots = 87 square feet.
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland O Deci Canopy Species Paper Birch Balsam Poplar Black Spruce	31 and Deciduonifer % Cover 12 14 8 30 1 23 Coniferous iduous % Cover 8 6 20	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Yole Log/XLog Pole/Log Size Class Pole Log/Pole Log/Pole	10	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce 5.3 93 Sub-Canopy Species Balsam Fir Black Ash Tag Alder	Medium Trace Low Trace Trace Trace Trace 81-110 S Density Medium Trace Medium Medium	Avg. Height Variable Variable 10 - 20 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable 10 - 20 feet	Sapling Sapling Tall Shrub Tall Shrub Sapling Size Sapling Sapling Tall Shrub	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north through the western part of the stand, eventually joining with Tubbs Creek. Did not visit the part of the stand west of this creek. Average ba/acre from 3 plots = 87 square feet.
87 C Bi	Balsam Poplar White Spruce 4191 - Mixed Upla Co Canopy Species igtooth Aspen Balsam Fir White Spruce Paper Birch White Pine Red Maple 6128 - Lowland O Deci Canopy Species Paper Birch Balsam Poplar Black Spruce Balsam Fir	31 and Deciduonifer % Cover 12 14 8 30 1 23 Coniferous iduous % Cover 8 6 20 18	Log/Pole Jous with Sa Size Class Log/Pole Pole Log/Pole Log/Pole Log/XLog Pole/Log Size Class Pole Log/Pole Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	10	er Well Age 90 Medium	Sub-Canopy Species Balsam Fir White Pine Black Cherry Tag Alder Michigan Holly White Spruce 5.3 93 Sub-Canopy Species Balsam Fir Black Ash Tag Alder Black Spruce	Medium Trace Low Trace Trace Trace 81-110 Sometime Density Medium Trace Medium Low	Avg. Height Variable Variable 10 - 20 feet 5 - 10 feet Variable N/A Avg. Height Variable 10 - 20 feet Variable	Sapling Sapling Tall Shrub Tall Shrub Sapling Size Sapling Sapling Tall Shrub Sapling Sapling Sapling	birch decline noted but the majority are still healthy. Bigtooth aspen occurs mostly in a single clone at the north end of the stand. A few of the quaking aspen are very large (20"+ DBH) with many in decline and providing good wildlife habitat. Trace of sugar maple in the overstory. Average ba/acre from 8 plots = 84 square feet. Mostly an upland stand except for transitional ground adjacent to some of the lowland stands nearby. Browse pressure is too high in this area for a successful regeneration harvest, let the stand progress naturally. There is currently no access to this stand anyways as a bridge and significant road investments would be needed to cross Tubbs Creek. Mixed species lowland stand. Black ash used to be a large component of this stand but it is now all dead. The northern parts of this stand resemble more of a Q3 with a sparse overstory of larger trees. A stream flows north through the western part of the stand, eventually joining with Tubbs Creek. Did not visit the part of the stand west of this creek. Average ba/acre from 3 plots = 87 square feet.



Sub-Canopy Species Balsam Poplar Trace Variable Sapling Tamarack Trace Sedges Full Non-Wood Tamarack Trace Sol feet Sapling Tag Alder Medium Variable Trace Sol feet Seeding Non-Wood Balsam Fir Trace Sol feet Seeding Cattali spp. Trace Variable Sapling Variable Sapling Sapling Sapling Sapling Sapling Tag Alder Medium Variable Sapling Sapling Sapling Sapling Sapling Sapling White Spruce Balsam Poplar Sol Pole/Log Sedges White Spruce Sapling White Spruce Sub-Canopy Species Sapling White Spruce Sub-Canopy Species Sapling Size Sapling White Spruce Sub-Canopy Species Balsam Poplar Size Balsam Poplar Size Balsam Poplar Size Sub-Canopy Species Sub-Canopy Spec	Stand Level 4 Cover Type				Size Density		Acres Stand Age I	3A Range Managed Site		Site	General Comments
Sedge	89	500 -	Water		Nons	tocked	1.0 L	Jnspecified	No		Current beaver flooding of Tubbs Creek.
Balsam Poplar Trace Trac							Sub-Canopy Species	Density	Avg. Height	Size	
Tag Alder Low Tall Shrub							Sedges	Medium		Non-Wood	
90 6239 - Mixed Emergent Wetland 8.4 Unspecified No Sub-Canopy Species Past beaver flooding, water has resided in recent years but nearly half of the stand is still under water. Size Sodges High Unspecified Non-Wood Leatherleaf Low < 5 feet 1 all Shrut 1 and Shrut 1 and Shrut 2 Balsam Poplar 1 Trace							Balsam Poplar	Trace		Sapling	
Sub-Canopy Species Sedges High Unspecified No Sub-Canopy Species Sedges High Unspecified Non-Wood Unspecified Non-Wood							Tag Alder	Low		Tall Shrub	
Sub-Canopy Species Sedges Filiph Unspecified Nor-Wood							Willow spp.	Low		Tall Shrub	
Sub-Canopy Species Sedges High Unspecified Nor-Wood Cattall spp. Trace Unspecified Nor-Wood Variable Tall Shrub	90	6239 - Mixed En	nergent V	Vetland	Nons	tocked	8.4 L	Jnspecified	No		
Cattail spp. Trace Unspecified Non-Wood Leatherleaf Low < 5 feet Tail Shrub							Sub-Canopy Species	Density	Avg. Height	Size	the stand is still under water.
Leatherleaf Low < 5 feet Tall Shrub							Sedges	High	Unspecified	Non-Wood	
91 6233 - Wet Meadow Nonstocked 4.9 Unspecified No Sub-Canopy Species Density Avg. Height Size Balsam Poplar Trace Variable Sapling Tamarack Trace > 20 feet Seeding Non-Wood Willow spp. Trace Non-Wood Willow spp. Trace Volume Seeding White Spruce Low < 5 feet Seeding White Spruce Salsam Poplar Trace Seeding White Spruce Salsam Poplar Species Seeding White Spruce Salsam Poplar So Pole/Log 9 44 Balsam Fir Medium Variable Sapling Outside Sapling White Spruce Salsam Poplar So Pole/Log 9 44 Balsam Fir Medium Variable Sapling Outside Sapling							Cattail spp.	Trace	Unspecified	Non-Wood	
Tag Alder Medium Variable Tall Shrub Sub-Canopy Species Density Balsam Poplar Trace Seeding Trace Variable Sapling White Spruce Low Seeding White Spruce Seeding White Spruce Seeding Size Seeding White Spruce Seeding Seeding Seeding Seeding Seeding White Spruce Seeding Seeding Seeding Seeding Seeding White Spruce Seeding							Leatherleaf	Low	< 5 feet	Tall Shrub	
91 6233 - Wet Meadow Nonstocked 4.9 Unspecified No Old beaver flooding that has dried up and is now a wetland/meadow. Lots of reed canary grass. Sub-Canopy Species Density Avg. Height Size							Willow spp.	Medium	Variable	Tall Shrub	
Sub-Canopy Species Density Avg. Height Size Balsam Poplar Trace Variable Sapling Tamarack Trace > 20 feet Pole Non-Wood Tamarack Trace > 20 feet Sapling Tag Alder Medium Variable Tall Shrub Non-Wood Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Spruce Sapling Trace Variable Sapling Balsam Poplar Solver Size Class Balsam Fir Medium Variable Sapling Balsam Fir Medium Variable Sapling White Spruce Solver Size Class DBH Age Quaking Aspen 16 Log/Pole 12 Balsam Poplar Trace Variable Sapling White Spruce 3 Log/Pole 11 Trace Salvam Variable Sapling White Spruce 3 Log/Pole 11 Trace Salvam Variable Sapling White Spruce 3 Log/Pole 11 Trace Salvam Variable Sapling White Spruce 3 Pole/Log 9 Red Maple Trace Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 8 Pole 6 White Spruce Low Variable Sapling Red Maple 8 Pole 6 White Spruce Low Variable Sapling Red Maple 8 Pole 6 Sable Red Maple 8 White Spruce Low Variable Sapling							Tag Alder	Medium	Variable	Tall Shrub	
Balsam Poplar Trace Variable Sapling Tamarack Trace >20 feet Pole Sedges Full Non-Wood Tamarack Trace >20 feet Sapling Tag Alder Medium Variable Trace Voriable Sapling Catail spp. Trace Non-Wood Willow spp. Trace Non-Wood Willow spp. Trace Variable Sapling White Spruce Low <5 feet Seeding White Pine Trace <5 feet Seeding White Pine Trace Variable Sapling White Spruce Low Variable Sapling White Spruce Salsam Poplar So Pole/Log 9 44 Balsam Fir Medium Variable Sapling White Spruce Salsam Fir Medium Variable Sapling White Spruce Salsam Fir So Pole 6 Balsam Poplar Trace Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Salsam Poplar Trace Variable Sapling White Spruce 3 Log/Pole 12 White Spruce Salsam Poplar Trace Variable Sapling White Spruce 3 Red Maple Trace Variable Sapling White Spruce 4 Pole/Log 9 White Spruce Salsam Poplar Trace Variable Sapling White Spruce 5 Pole 6 Salsam Poplar Sa	91	6233 - We	et Meado	W	Nons	tocked	4.9 l	Jnspecified	No		Old beaver flooding that has dried up and is now a wetland/meadow. Lots
Tamarack Trace Sedges Full Non-Wood Non-Wood Tamarack Trace Sedges Full Non-Wood Non-Wood Tamarack Trace Sapling Tag Alder Medium Variable Tall Shrub Reed Canary Grass High Unspecified Non-Wood Salsam Fir Trace Seding Non-Wood Non-Wood Salsam Fir Trace Variable Sapling White Spruce Low Variable Sapling White Spruce Low Variable Sapling White Spruce Low Variable Sapling Sapling Variable Variable Sapling Variable							Sub-Canopy Species	Density	Avg. Height	Size	or reed canary grass.
Sedges Full Non-Wood Tamarack Trace >20 feet Sapling Tag Alder Medium Variable Tall Shrub Reed Canary Grass High Unspecified Non-Wood Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Non-Wood Willow spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Spruce Sover Size Class DBH Age Quaking Aspen 16 Log/Pole 12 Black Ash Low Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Balsam Fir 5 Pole 6 Balsam Poplar Trace Variable Sapling Paper Birch 5 Pole 6 Balsam Poplar Trace Variable Sapling Red Maple 6 Pole 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Pole 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Pole 6 Pole 6 Pole 6 Pole Company Paper Birch Pole For Pole Company Paper Birch Pole For Pole Company Paper Birch Pole 6 Pole 6 Pole 6 Pole Company Paper Birch Pole For Pole Company Paper Birch Pole 6 Pole 6 Pole Company Paper Birch Pole For Pole Company Paper Birch Pole 6 Pole 6 Pole Company Paper Birch Pole For Pole Company Paper Birch Pole Pole For Pole Company Paper Birch Pole Pole For Pole Pole Pole Pole							Balsam Poplar	Trace	Variable	Sapling	
Tamarack Trace >20 feet Sapling Tag Alder Medium Variable Tall Shrub Reed Canary Grass High Unspecified Non-Wood Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Spruce Low < 5 feet Seeding White Spruce Low < 5 feet Seeding White Spruce Low Sapling Sub-Canopy Species Balsam Poplar Sole-Canopy Species Density Sapling Quaking Aspen 16 Log/Pole 12 Balsam Fir Medium Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Tag Alder High Variable Sapling Paper Birch 2 Pole/Log 9 Red Maple Trace Variable Sapling Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Sapling Sapling Sub-Canopy Species Density Sapling Sapl							Tamarack	Trace	>20 feet	Pole	
Tag Alder Medium Variable Tall Shrub Reed Canary Grass High Unspecified Non-Wood Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Spruce Low < 5 feet Seeding White Spruce Low Seeding White Pine Trace Seeding White Spruce Low Sub-Canopy Species Density Avg. Height Size Balsam Poplar So Pole/Log 9 44 Balsam Fir Medium Variable Sapling White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling White Spruce Low Variable Sapling Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling White Spruce Low Variable Sapling Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6							Sedges	Full		Non-Wood	
Reed Canary Grass High Unspecified Non-Wood Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Non-Wood Willow spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace Seeding Lowland popple stand sitting on very wet soils. A drainage from stand 99 to the south enters this stand and continues north into stand 92. The stand appears 2-aged, with older aspen and balsam poplar in the east and appears 2-aged, with older aspen and balsam poplar in the east and appears 2-aged, with older aspen and balsam poplar in the east and appears 2-aged, with older aspen and balsam poplar in the east and appears 2-aged, with older aspen and balsam poplar in the east and appears 2-aged, with older aspen and balsam poplar in the east and poppear Seeding Seapling							Tamarack	Trace	>20 feet	Sapling	
Balsam Fir Trace < 5 feet Seeding Cattail spp. Trace Non-Wood Willow spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Spruce Low < 5 feet Seeding White Spruce Low Seeding Sub-Canopy Species Density Avg. Height Size Balsam Poplar So Pole/Log Seeding Quaking Aspen 16 Log/Pole 12 Balsam Fir Medium Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Sapling White Spruce 13 Log/Pole 11 Balsam Poplar Trace Variable Sapling Paper Birch 2 Pole/Log Seeding Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6							Tag Alder	Medium	Variable	Tall Shrub	
Cattail spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace White Pine Will Seeding Canopy Species W Cover Size Class DBH Age Balsam Poplar Poletimber Well 3.1 44 81-110 N/A Canopy Species W Cover Size Class DBH Age Balsam Fir Medium Variable Sapling Sapling Salsam Poplar Salsam Poplar Final Poplar F							Reed Canary Grass	High	Unspecified	Non-Wood	
Willow spp. Trace Variable Sapling White Spruce Low < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace < 5 feet Seeding White Pine Trace Variable Seeding White Pine Trace Variable Seeding White Pine Trace Variable Seeding White Spruce Sub-Canopy Species Density Avg. Height Size Black Ash Low Variable Sapling White Spruce Seeding White Spruce Sub-Canopy Species Density Avg. Height Size Black Ash Low Variable Sapling White Spruce Seeding White Spruce Variable Seeding Northern White Cedar Seeding White Spruce Low Variable Sapling Red Maple 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 6 Pole 6 White Spruce Low Variable Sapling Red Maple 6 Pole 7 Po							Balsam Fir	Trace	< 5 feet	Seeding	
White Spruce Low < 5 feet Seeding							Cattail spp.	Trace		Non-Wood	
White Pine Trace < 5 feet Seeding Poletimber Well 3.1 44 81-110 N/A							Willow spp.	Trace	Variable	Sapling	
92 6111 - Lowland Balsam Poplar Poletimber Well 3.1 44 81-110 N/A Canopy Species % Cover Size Class DBH Age Balsam Poplar 50 Pole/Log 9 44 Quaking Aspen 16 Log/Pole 12 White Spruce 3 Log/Pole 11 Balsam Fir 5 Pole 6 Balsam Poplar 5 Pole/Log 9 Red Maple Paper Birch 2 Pole/Log 9 Red Maple 6 Pole 6 White Spruce 16 Log/Pole 12 White Spruce 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6							White Spruce	Low	< 5 feet	Seeding	
Canopy Species % Cover Size Class DBH Age Balsam Poplar 50 Pole/Log 9 44 Quaking Aspen 16 Log/Pole 12 White Spruce 3 Log/Pole 11 Balsam Fir 5 Pole 6 Paper Birch 2 Pole/Log 9 Northern White Cedar Red Maple 6 Pole 6 Red Maple 6 Pole 6 Red Maple 6 Pole 6 Sub-Canopy Species Density Avg. Height Size Balsam Fir Avg. Height Size Ned Mays. Height Sapling Ned Mays. Height Size Ned Mays. Height Sapling Ned Mays. Height Size Ned Mays. Height Size Ned Mays. Height Sapling Ned Mays. Height Sapling Ned Mays. Height Sapling Ned Mays. Height Size Ned Mays. Height Sapling Ned Mays. He							White Pine	Trace	< 5 feet	Seeding	
Canopy Species % Cover Size Class DBH Age Balsam Poplar 50 Pole/Log 9 44 Quaking Aspen 16 Log/Pole 12 Balsam Fir 5 Pole 6 Balsam Fir 5 Pole 6 Paper Birch 2 Pole/Log 9 4 Balsam Poplar Trace Variable Sapling Paper Birch 2 Pole/Log 9 4 Pole First Paper Birch Paper Bi	92	6111 - Lowland	Balsam	Poplar	Poletin	nber Well	3.1 44	81-110	N/A		
Balsam Poplar 50 Pole/Log 9 44 Quaking Aspen 16 Log/Pole 12 White Spruce 3 Log/Pole 11 Balsam Fir 5 Pole 6 Balsam Poplar Trace Variable Sapling Paper Birch 2 Pole/Log 9 Red Maple 6 Pole 6 Pole 6 Pole 6		Canopy Species	% Cove	r Size Class	DE	BH Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen 16 Log/Pole 12 Black Ash Low Variable Sapling White Spruce 3 Log/Pole 11 Tag Alder High Variable Tall Shrub Balsam Fir 5 Pole 6 Balsam Poplar Trace Variable Sapling Paper Birch 2 Pole/Log 9 Red Maple 6 Pole 6 Pole 6 Pole 6			50	Pole/Log			Balsam Fir	Medium	Variable	Sapling	, , , , , , , , , , , , , , , , , , , ,
White Spruce 3 Log/Pole 11 Tag Alder High Variable Tall Shrub Balsam Fir 5 Pole 6 Balsam Poplar Trace Variable Sapling Paper Birch 2 Pole/Log 9 Red Maple 6 Pole 6 Pole 6 Pole 6		· · · · · · · · · · · · · · · · · · ·	16	Log/Pole	12	2	Black Ash	Low	Variable	Sapling	of previous cutting, perhaps the multiple age classes are a result of past
Balsam Fir 5 Pole 6 Balsam Poplar Trace Variable Sapling Northern White Cedar 16 Log/Pole 12 Red Maple 6 Pole 6 Pole 6		White Spruce	3	Log/Pole			Tag Alder	High	Variable	Tall Shrub	
Paper Birch 2 Pole/Log 9 Red Maple Trace Variable Sapling Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6		Balsam Fir		Pole	6		Balsam Poplar		Variable		
Northern White Cedar 16 Log/Pole 12 White Spruce Low Variable Sapling Red Maple 6 Pole 6		Paper Birch	2	Pole/Log			•	Trace			, ,
Red Maple 6 Pole 6	No	<u> </u>			12	2	<u>'</u>				
							•			. 3	1
Basswood 2 Log 13					1:	3					



Stand	Level 4 Co	evel 4 Cover Type		Level 4 Cover Type S		Size Density			Stand Age B	A Range	Managed \$	Site	General Comments
93	6220 - Al	lder/willow	ow Nonstocked		1.3 Unspecified		nspecified	No		Very wet stand, possibly standing water as I seemed to be walking on ice			
						Sub-Ca	nopy Species	Density	Avg. Height	Size	while traversing the stand.		
							am Poplar	Trace	>20 feet	Pole			
					Blac	ck Spruce	Trace	>20 feet	Pole				
						Quak	king Aspen	Trace					
						Wi	llow spp.	Low		Tall Shruk			
						Ta	ag Alder	High	10 - 20 feet	Tall Shrub			
						Cattail spp.		High	3				
						Northerr	White Cedar	Trace	>20 feet	Pole			
						Bals	am Poplar	Trace	Variable	Sapling			
						Pa _l	oer Birch	Trace	Variable	Sapling			
						Ва	lsam Fir	Trace	>20 feet	Pole			
						Quak	king Aspen	Trace	race Variable	Sapling	1		
94 Car	6124 - Lowla	nd Spruce			Mediur		87	51-80 Density	N/A Avg. Height	Size	Lowland stand with some veins of drier upland ground. Stocking is better in these upland areas and tends to have more of the aspen and white		
	rn White Cedar	18	Log/Pole	11	7.90		ag Alder	High	10 - 20 feet	Tall Shruk	spruce. Wetter lowland areas are poorly-stocked and have more of the fit and a thick alder component. My spruce ID isn't perfect but from what I		
Pa	aper Birch	1	Pole/Log	9			0	Medium	Variable	Sapling	see both species are present in the stand. Trace of white pine in the		
	sam Poplar	1	Pole/Log	8			igan Holly	Low	5 - 10 feet	Tall Shrub	overstory and I saw one ash poletimber tree that is alive, likely green ash Average ba/acre from 6 plots = 63 square feet. A small stream enters the		
В	alsam Fir	29	Pole/Sapling	6			ck Spruce	Trace	Variable	Sapling	stand at the southwest corner and flows northeast through the stand,		
Wh	nite Spruce	29	Pole/Log	9	87						eventually draining into stand 91. Too wet to harvest, difficult access,		
Bla	ack Spruce	10	Pole/Log	8							BMP concerns with the stream.		
R	ted Maple	1	Pole/Log	8									
Qua	aking Aspen	11	Log/XLog	14									
95	3 1		0 0			8.9	35	111-140	N/A		Clearcut in 1987 in the sale Sawdust Pile Aspen (#53-009-84,		
Cai	nopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Champion). Regeneration came back well through most of the stand. A small non-forested area is present in the southwest part of the stand but		
Bla	Black Cherry 2 Pole 6			Blac	ck Cherry	Medium	Variable	Tall Shrub	it looks like the old landing. Ground is a mix of upland and lowland with				
V	White Pine 1 Pole/Sapling 5			Ta	ag Alder	Low	10 - 20 feet	Tall Shrub	wet pockets along the east edge of the stand. There is also a lowland				
Wh	White Spruce 4 Sapling/Pole		4		White Spruce		Low	Variable	Sapling	trough rupping couthwest to portheast through the middle of the star			
Bal	sam Poplar	3	Pole/Sapling	6		Re	d Maple	Trace	Variable	Sapling	the far southern end. A few black cherry with good form and will be		

Medium

Variable

Quaking Aspen

Balsam Fir

70

20

5 35

5

Pole/Sapling

Pole/Sapling

Balsam Fir

west in Compartment 47.

Sapling

merchantable in the future. Trace of red pine, tamarack, and black spruce

saplings/poletimber. Trace of residual red maple and cedar sawlog-sized

trees. Average ba/acre from 7 plots = 111 square feet. Diameters are barely merchantable in many places so it will likely be 2 entries before this stand is ready for a harvest. Manage together with stand 1 to the

Compartment: 48



· ·	•	_								Year of Entry: 2024
Stand Level	4 Cover Typ	e S	ize De	ensity	Acres	Stand Age B	BA Range	Managed \$	Site	General Comments
96 423	42330 - Upland Fir P		oletimb	er Well	10.9	67	81-110	N/A		Nice stand of spruce and fir. Diameters tend to vary significantly,
Canopy Specie	es % Cov	er Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	especially on the fir. All of the aspen was removed from this stand in 1997 in the sale Old Grade Aspen Blocks (#53-004-95, Kare Logging).
Black Spruce	6	Pole/Log	8		Balsa	am Poplar	Trace	>20 feet	Sapling	Except for a few small pockets, aspen did not regenerate well. As a
Balsam Fir	71	Pole/Sap/Log	7	67	Blad	ck Cherry	Low	Variable	Tall Shrub	result, there are some scattered open areas throughout with lower
White Spruce	20	Log/Pole/XLog	12		Ta	ng Alder	Low	10 - 20 feet	Tall Shrub	stocking. Some aspen that did regenerate near the old road has been taken down by beavers. Trace of white pine and paper birch in the
Red Maple	1	Log	12		Whi	te Spruce	Low	Variable	Sapling	overstory. Average ba/acre from 8 plots = 84 square feet. Ground is
Northern White Ce	dar 2	Log	12		Ва	lsam Fir	Medium	Variable	Sapling	mostly dry upland but there are a few scattered pockets of wetter g
	2 209		'		Quak	ring Aspen	Trace	>20 feet	Sapling	No access exists to this stand as the old road is currently flooded to the north by beavers.
97 42380 - Non Pi	ine Upland Co Deciduous	onifer, Mixed Po	oletimb	oer Well	4.4	55	51-80	N/A		This stand had all the aspen removed in 1997 in the sale Old Grade Aspen Blocks (#53-004-95, Kare Logging). All other species were left.
Canopy Specie	es % Cov	er Size Class	DBH	H Age	Sub-Canopy Species		Density	Density Avg. Height	Size	The resulting stand is a mix of aspen regeneration and residual fir and spruce of varying sizes. Aspen is most abundant east of the old road.
Balsam Fir	46	Pole/Sap/Log	7	55	Whi	te Spruce	Trace	Variable	Sapling	Ground is a mix of upland and lowland. Average ba/acre from 6 plots =
Paper Birch	1	Pole	7		Blad	ck Cherry	Medium	Variable Tall S	Tall Shrub	an active begues fleeding to the north
Northern White Ce	dar 5	Log	13		Ta	ng Alder	Low	10 - 20 feet	Tall Shrub	
Balsam Poplar	5	Pole/Sapling	6		Ва	lsam Fir	Medium	Variable		
Quaking Aspen	30	Sapling/Pole	4	25						•
Red Maple	1	Pole/Log	8							
98 4	130 - Aspen	Po	oletimb	per Well	30.3	35	81-110	N/A		Nice developing aspen stand with diameters that tend to vary and some
Canopy Specie	es % Cov	er Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas just reaching merchantability. Clearcut in 1987 in the sale Sawdus Pile Aspen (#53-009-84, Champion). All species were cut except for
Balsam Fir	8	Pole/Sapling	6		Ва	lsam Fir	Low	Variable	Sapling	cedar, which can be found mostly at the south end. There are also a
Red Maple	3	Pole/Sap/Log	7		Re	d Maple	Medium	>20 feet	Sapling	couple of scattered red maple and white spruce, as well as a few clumps
Northern White Ce	dar 2	Log/Pole	12		Ta	ng Alder	Trace	10 - 20 feet	Tall Shrub	of fir, that look like residual as well. Numerous wet pockets exist throughout the stand (see 98DOQ imagery) and were not protected from
Bigtooth Aspen	5	Pole	7		Blad	ck Cherry	Trace	Variable	Tall Shrub	
Quaking Aspen	63	Pole/Sapling	7	35	Bla	ack Ash	Trace	Variable	Sapling	large drainage system, which flows into the west side of stand 99. Trace
Balsam Poplar	18	Pole/Sapling	6				1	1		of white pine in the overstory as well as a few poletimber stems of either white ash or green ash that are still alive. Average ba/acre from 9 plots =
White Spruce	1	Pole/Log	8							101 square feet. There is no current access to this stand from a
			,							harvesting perspective. The previous harvest was accessed from the north, crossing Tubbs Creek. It is unclear how they crossed, likely with a portable bridge? Tubbs Creek may have been flooded by beavers at that time so perhaps they froze in a road over the flooding? A significant monetary investment will have to be made to access this stand again in the future. If it is over progribed for a beneat protect all leveled product.

the future. If it is ever prescribed for a harvest, protect all lowland pockets

with buffers and exclude the drainage system to the southeast.

Compartment: 48 Year of Entry: 2024



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments		
99	4191 - Mixed Upla Co	and Decidu	ous with	Sawtimb	er Well	8.3	78	111-140	N/A		Mixed species stand with some good quality birch, red maple, and spruce. Fir is heavy in the understory and starting to recruit into the		
(Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	overstory, eventually it will be dominant in the stand. Trace of XL-sized red maple. A few of the aspen are very large (20"+ DBH). Two drainages		
,	White Spruce	9	Log/Pole	11		Ва	ılsam Fir	High	Variable	Sapling	pass north through this stand, joining with stand 92 to the north, one near		
C	Quaking Aspen	19	Log/XLog	14		Ta	ag Alder	Trace	10 - 20 feet	Tall Shrub			
	Paper Birch	10	Log/Pole	11		Whi	te Spruce	Trace	Variable	Sapling	the east side starts in a small ravine at the south end, eventually flattening out as it heads north. The two drainages make harvesting of		
	Balsam Fir	29	Pole	6							this stand impractical and was the reason given by previous stand		
	Red Maple	33	Log/Pole	12	78						examiners as to why it wasn't harvested when adjacent stand 98 was clearcut.		
100	6120 - Lov	wland Ceda	ar f	Poletimb	er Well	22.4	121	141-170	N/A		Cedar dominated stand with a thick understory of fir. The cedar is in		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	decline in many areas which can likely be attributed to the recent road creation in the deer ranch to the south, which has obviously altered the		
C	Quaking Aspen	6	Log/Pole	12		Ва	ılsam Fir	High	Variable	Sapling	hydrology in the area. To see the difference, compare the 98DOQ		
	Red Maple	1	Pole/Log	8		Black Spruce		Trace	Variable	Sapling	imagery prior to development where the stand is completely healthy		
	Black Spruce	10	Pole/Log	8			ag Alder	Medium	10 - 20 feet	Tall Shruk	versus recent imagery where wet pockets have resulted in numerous areas of cedar decline and death. The adjacent beaver flooding to the		
,	White Spruce	1	Log/XLog	15					1		northeast has likely not helped either. The only areas where cedar is of		
Е	Balsam Poplar	1	Log/Pole	13							better quality and remains healthy is along the east edge. Black ash used		
	Balsam Fir	12	Pole/Sapling	g 6							to be a component of the stand but is all dead now from EAB. Trace of		
	Paper Birch	3	Pole	6							tamarack in the overstory. I only looked at the south half of this stand but from imagery it looks like the north half has a component of larger		
Nort	hern White Cedar	66	Pole/Log	8	121						diameter trees, likely white spruce. Average ba/acre of the stand from 6		
		1 1									plots = 147 square feet. This stand appears to be the main headwaters for Tubbs Creek.		
101	<u>'</u>				r Mediun			51-80	N/A		Small inclusion of sparsely stocked, upland spruce-fir type surrounded by lowland swamp conifer types. This stand was harvested in 1995 in the		
	Canopy Species	% Cover			l Age	Sub-Canopy Species		Density	Avg. Height	Size	sale Old Grade Aspen Blocks (#53-004-95, Kare Logging), where all the		
	White Spruce	5	Log/Pole	10			king Aspen	Trace	Variable	Sapling	aspen was cut out. Only a small amount of aspen regeneration is present today. Trace of cedar in the overstory. Average ba/acre from 3 plots = 53		
	Paper Birch	5	Log/Pole	10		Black Spruce		Low	Variable	Sapling	square feet.		
	Balsam Fir	72	Pole/Sapling	_	63	Ва	ılsam Fir	Medium	Variable	Sapling	'		
	Red Maple	2	Log	14									
	Tamarack	1	Log	12									
	Black Spruce	15	Pole/Sapling	g 7									
102						35.6	35.6 95 171-200				Cedar stand of varying quality. There are several areas of very wet ground where the cedar is in decline. There are also areas of slightly		
(Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	higher ground where the cedar is still healthy and very high quality,		
Nort	hern White Cedar	81	Pole/Log	9	95	Blad	ck Spruce	Trace	Variable	Sapling	mostly in the middle part of the stand and the eastern end. Trace of		
	Balsam Fir	5	Pole/Sapling	g 6		BI	ack Ash	Trace	Variable	Sapling	quaking aspen and white spruce in the overstory. Average ba/acre from 8 plots = 179 square feet. At least two small streams flow north through this		
	Tamarack	5	Pole/Log	8		Ta	ag Alder	Medium	10 - 20 feet	Tall Shrub	stand. A small patch of invasive phragmites (50ftx50ft) was found in the		
	Black Spruce	5	Pole/Log/Sap	p 7		Ва	ılsam Fir	Medium	Variable	Sapling	middle part of the stand near the northern stand edge, in a large area of		
	Red Maple	1	Pole	7							cedar decline. Much of the cedar decline in this stand can likely be attributed to the recent road creation in the deer ranch to the south, which		
	White Pine	1	Log/XLog	14							has obviously altered the hydrology in the area. To see the difference,		
E	Balsam Poplar	1	Log	14							compare the 98DOQ imagery prior to development where the stand is		
	Paper Birch	1	Pole	8							completely healthy versus recent imagery where wet pockets have		

resulted in numerous areas of cedar decline and death.



Stand	Level 4 C	Size Density			Acres Stand Age BA Range			Managed \$	Site	General Comments	
103	42330 -	Poletimber Mediun			n 9.7	36	51-80	N/A		All aspen and hardwoods were cut out of this stand in 1998 in the sale	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Old Grade Aspen Blocks (#53-004-95, Kare Logging), while all the existing fir and spruce were left uncut. Fir and spruce quality is generally
	Quaking Aspen	5	Sapling/Pole	3	24	Tag Alder		Trace	10 - 20 feet	Tall Shrub	good although there are a lot of small stems. Aspen did not regenerate
White Spruce 15 Pole/Log/Sap 8 75 Red Maple 1 Pole 6			Autu	ımn Olive	Trace	10 - 20 feet	Tall Shrub	well and there are now scattered non-forested areas throughout the			
			Ва	lsam Fir	Medium	Variable	Sapling	stand, although spruce and fir is starting to fill in a few of these areas. Red maple seedlings are present too in many areas but are very heavi			
	Balsam Fir	78	Pole/Sap/Log	6	36	Re	d Maple	Medium	< 5 feet	Seeding	browsed which is keeping them below 1-2 feet tall. Trace of XL-sized
	Balsam Poplar	1	Pole/Sapling	6		Whi	te Spruce	Low	Variable	Sapling	white spruce. Trace of tamarack and black spruce in the overstory. Trace
						Quak	ing Aspen	Trace	>20 feet	Sapling	of autumn olive at the south end. Average ba/acre from 7 plots = 54 square feet. A small ravine with a drainage in it passes east to west
						Re	d Maple	Trace	>20 feet	Sapling	through the middle part of the stand.
						E	Beech	Trace	Variable	Sapling	
						Balsa	am Poplar	Trace	>20 feet	Sapling	
105	3303 - Mixed L	ow Density	Trees	Nonsto	cked	2.9	U	Inspecified	No		Autumn olive along the east edges. Very heavy browse on ironwood
						Sub-Ca	nopy Species	Density	Avg. Height	Size	seedlings.
						Wh	nite Pine	Medium	>20 feet	Pole	
						Quak	ing Aspen	Trace	>20 feet	Pole	
						E	Beech	Trace	< 5 feet	Seeding	
						Blackbe	rry/Raspberry	Trace	< 5 feet	Tall Shrub	
						Iro	onwood	Low	< 5 feet	Seeding	
						Bigto	oth Aspen	Trace	>20 feet	Pole	
						Blad	ck Cherry	Trace	Variable	Tall Shrub	
						Brad	cken Fern	Medium	Unspecified	Non-Wood	
						White Pine		Medium	Variable	Sapling	
					Mixe	d Grasses	High	Unspecified	Non-Wood		
						Autu	ımn Olive	Low	5 - 10 feet	Tall Shrub	
107	4130	P	Poletimber Well			9.5 52 81-		1-110 N/A		This stand was excluded from the adjacent harvest to the north because	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	an active red-shouldered hawk nest was found in this stand (see OFS layer). Very high quality aspen stand and close to an A9. This is what
Balsam Fir		2	Pole	6		Whi	te Spruce	Trace	Variable	Sapling	stand 74 looked like prior to harvest. A few larger red and sugar maple
Quaking Aspen		13	Pole/Log	8		Ва	Balsam Fir		Variable	Sapling	along the north edge. A couple of white pine sawlog-sized trees as well. Some red oak saplings, poletimber, and sawtimber along the northwest edge. Average ba/acre from 7 plots = 110 square feet.
Bigtooth Aspen		82	Pole/Log	9	52	Red Maple		Low	>20 feet	Sapling	
White Spruce 1 Po			-			White Pine				1	euge. Average baracie iloili / piots = 110 square reet.
	White Spruce	1	Pole	6		Wh	nite Pine	Trace	Variable	Sapling	