

Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54159 Entry Year 2022 Acreage: 1,625

County Presque Isle

Management Area: Hammond Bay Lake Plain

Revision Date: 2020-05-19

Stand Examiner: Ryan Zimmerman

Legal Description:

Sections 22-24, 27, & 34, T36N-R2E, Presque Isle County

Identified Planning Goals:

This has some lowland areas that are too wet to manage for timber. The southern part as a large componet of pine.

Soil and topography:

Little topography in this area. Pretty high water table in this compartment. There are some areas that are sandy while other areas have heavy soils that area always saturated.

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

Private ownership exisit mostly to the north. Not much of the area around the compartment is devoloped due to the wet nature of this area. Only devoloped area is going to be by Orchard Lake.

Unique Natural Features:

This has orchard lake adjacent to the compartment in the northeast. It is also 1 1/4 miles from black lake.

Archeological, Historical, and Cultural Features:

Archeological hit in Sec 24. MNFI hit of Hills thistle from 1890 in section 34.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Areas around Orchard Lake need to have the appropriate set backs for any timber management acitivites.

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multi-compartment complex in Presque Isle county, providing good travel corridors for wildlife. Habitat components of aspen and primarily lowlands provide food and cover for multiple species at a variety of age classes. We are working to maintain mast producing trees as well as keep a good age rotation of aspen. Some areas are too wet to harvest, which provides habitat qualities of older age class timber. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species. Great habitat for deer and grouse. The compartment to the south was managed for grouse in the past, but much of the area around here is too wet to manage for that.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel operations exist roughly two miles to the east, four miles to the northwest, and three miles to the southwest. There appears to be good gravel potential in places, but the water table is generally shallow in this area, which could inhibit surface mining. There may also be some bedrock limestone potential in places where the glacial drift is thin. Active limestone production is occurring roughly six miles to the southwest. There has been no oil & gas exploration in this area and no history of production within five miles of the compartment. There is currently no known oil & gas potential in this area, and there is no current mineral leasing activity. No known metallic mineral potential exists in this part of the state.

Vehicle Access:

The compartment does not have the best vehicle access due to the wet nature of the area. There is a power line that runs through, but much of the powerline is too wet to drive down.

Survey Needs:

Recreational Facilities and Opportunities:

There is a snowmobile and atv trail that runs through the southern part of the compartment.

Fire Protection:

Fire protection should not be an issue to the south, but access in the northern part is fairly limited.

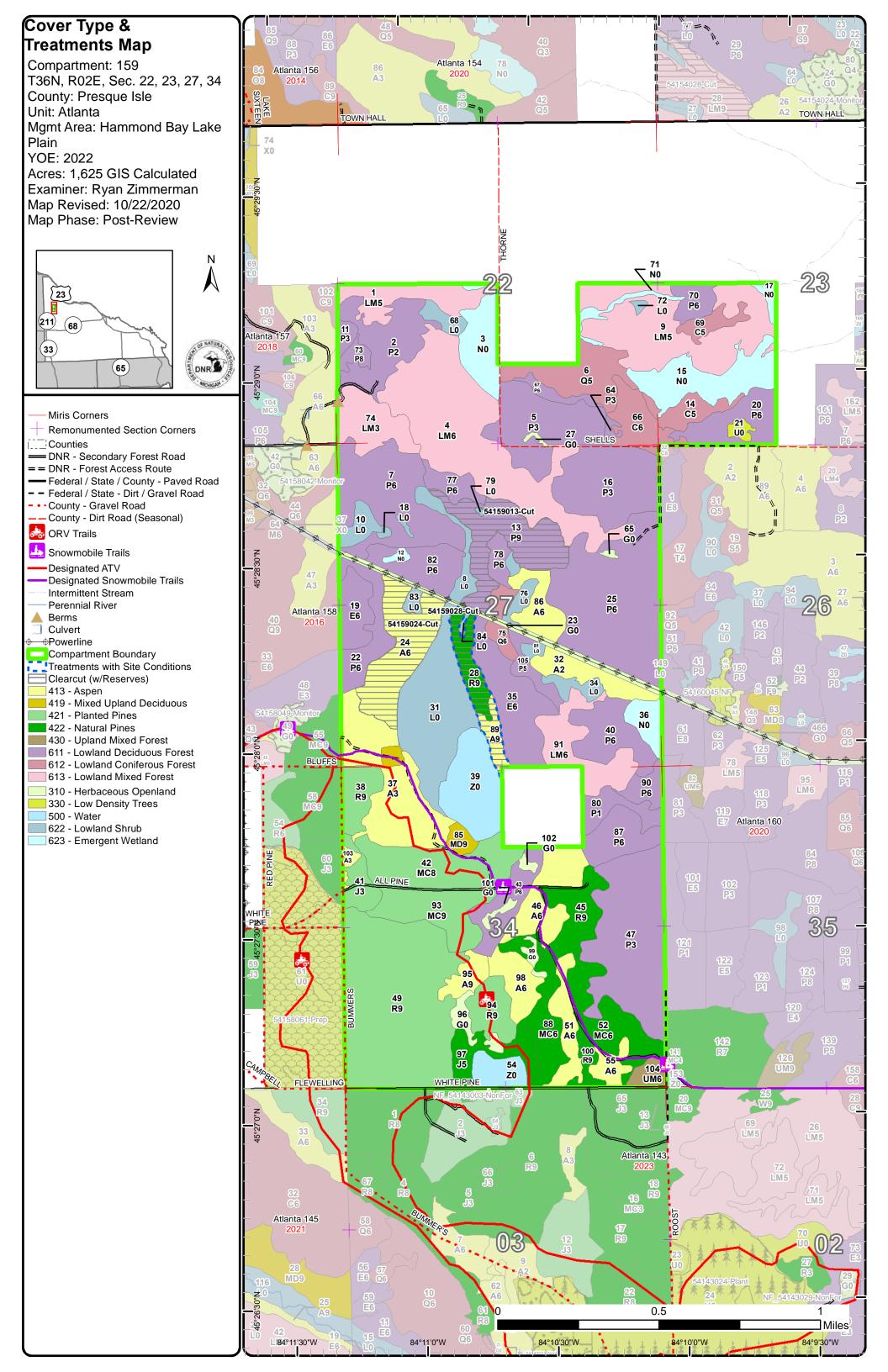
Additional Compartment Information:

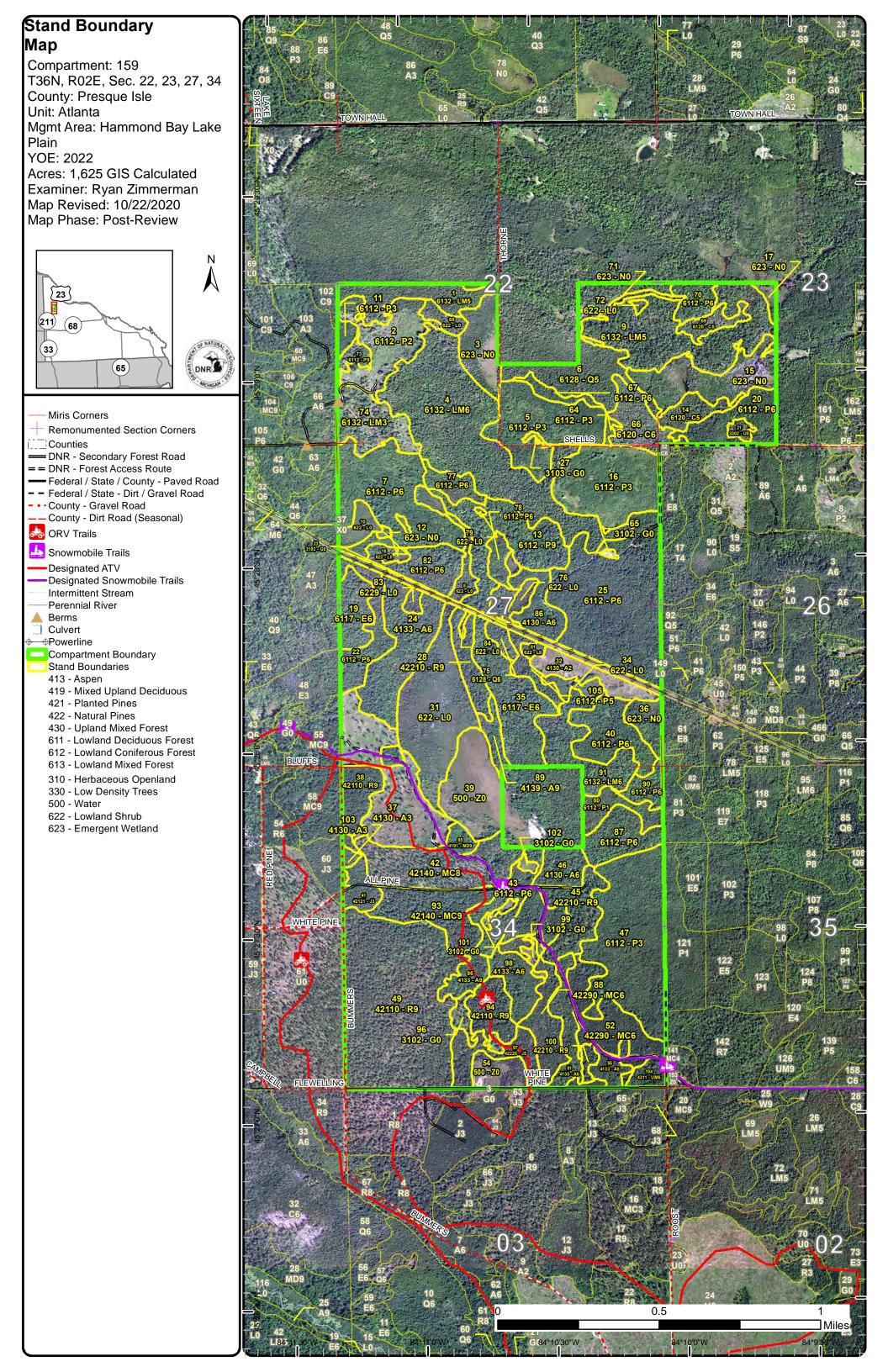
The following reports from the Inventory are attached:

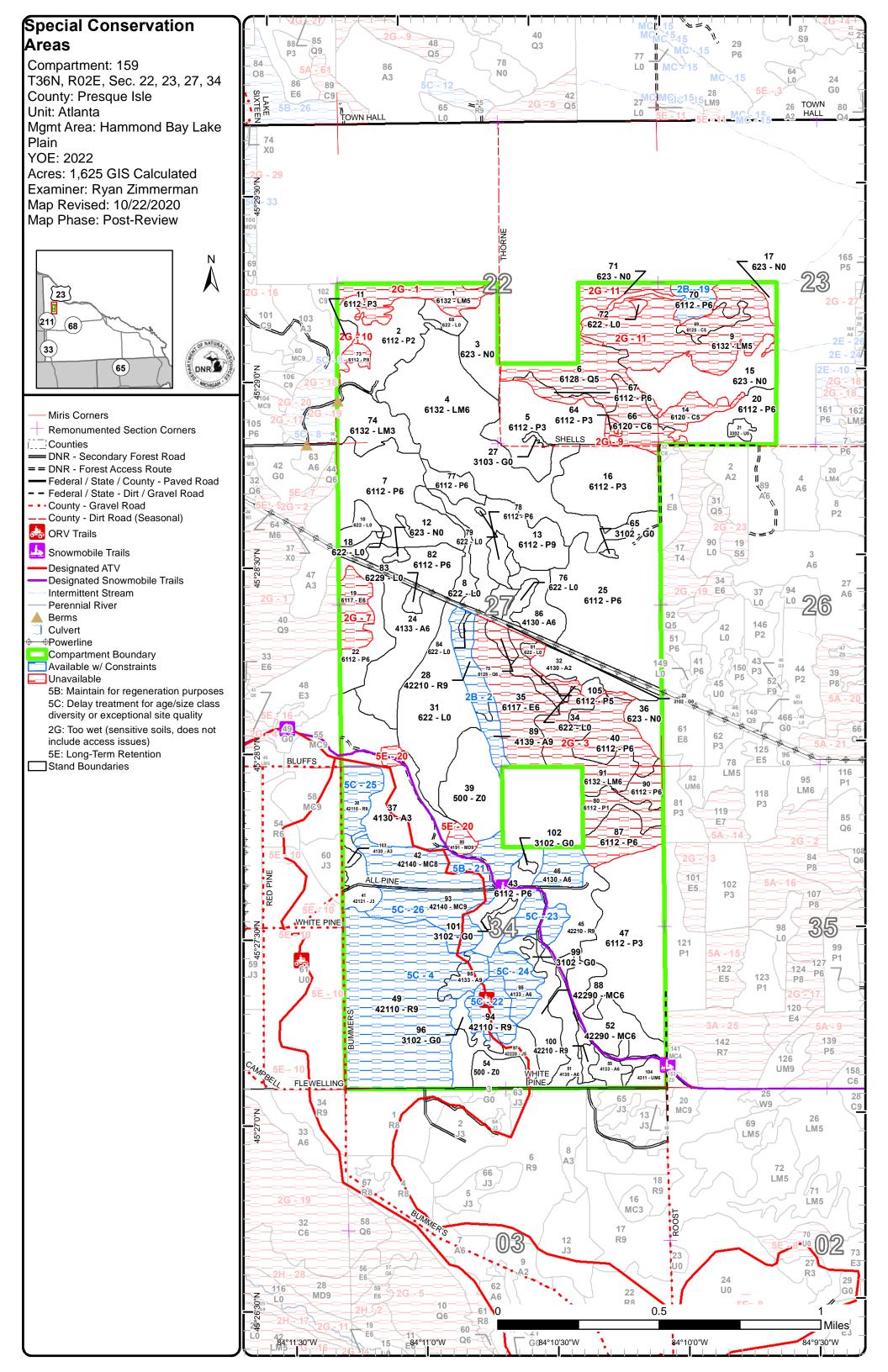
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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

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







Report 1 – Total Acres by Cover Type and Age Class

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Compartment 159 Year of Entry 2022



Age Class

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Aspen	0	63	0	9	28	0	37	44	6	0	0	0	0	0	0	0	0	0	187
Cedar	0	0	0	0	0	0	0	0	0	0	0	27	0	7	0	0	0	0	34
Herbaceous Openland	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Jack Pine	0	0	0	10	0	15	0	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	30	43	113	175	99	0	23	0	41	9	0	0	0	0	0	0	0	532
Lowland Conifers	0	0	0	0	0	8	0	0	0	0	0	26	0	0	0	0	0	0	34
Lowland Deciduous	0	0	0	0	0	0	0	33	0	0	0	0	14	0	0	0	0	0	47
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	124	22	68	0	0	0	22	236
Lowland Shrub	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Marsh	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
Natural Mixed Pines	0	0	0	0	30	0	21	0	0	0	0	0	0	0	0	0	0	0	51
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	0	66
Red Pine	0	0	0	0	0	0	0	0	20	13	3	138	0	0	0	0	0	0	174
Upland Mixed Forest	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Total	227	93	43	132	239	122	58	100	26	54	79	322	36	75	0	0	0	22	1625



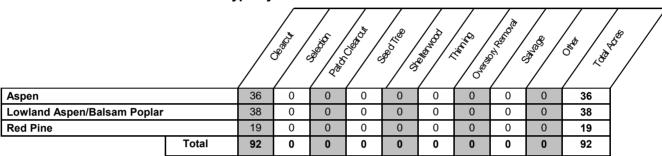
Report 2 – Treatment Summary

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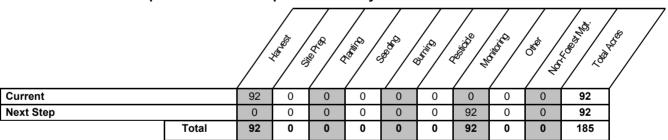
Compartment 159 Year of Entry: 2022 **Total Compartment Acres: 1,625 Acres of Harvest**

> Commercial Harvest - 74 Harvests with Site Condition - 19 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Compartment: 159 Year of Entry: 2022

Age

Structure



Cut

Treatment Stand Stand ВА **Treatment Treatment** Cover Type Acres Size Name CoverType Density Age Range Type Method Objective

Approved Treatments:

t а

n

d

54159013-Cut 37.7 6112 - Lowland Sawtimber 44 81-110 Harvest Clearcut with 6112 - Lowland Even-Aged No Aspen Well Retention Aspen

Prescription Clearcut with 3-10% retention. Cut down to 2 inch DBH. Winter harvest or dry summer. Acreage may be reduced due to wet nature of the

Specs: stand.

Include grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen and red maple well to moderate stocking

Regen:

Hauling will probably have to be done from Schells Hwy and then turn south on compartment boundary then back west through stand 25 and Other

86 to the powerline. Comment:

Site Condition

Proposed Start Date: 10/1 /2021

54159024-Cut 65 81-110 Clearcut with 36.1 4133 - Aspen, Poletimber Harvest No 413 - Aspen Even-Aged Mixed Pine Well Retention

Prescription Clearcut with retention 3-10%. Cut down to 2 inch DBH. Include grouse spec and snowmobile trail protection spec. The eastern boundary is

Specs: very wet and the so is the northern edge.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> Moderate to well stocked aspen stand with any mix of red maple or pine.

Regen:

Hauling will probably occur from Bummers Roost rd up to snowmobile trail and then through stand 37. Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

54159028-Cut 18.6 42210 - Natural Sawtimber 109 111-Harvest Clearcut with 4133 - Aspen, Even-Aged No Red Pine Well Retention

Mixed Pine

Prescription Clearcut with retention focused around red pine. Use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen, red maple, and pine. Well to moderately stocked.

Regen:

This will need a large amount of crane mats. Will need to be winter harvest. Will also be a very long skid for wood because you cannot get a **Other** truck back to this treatment. Could be an optional unit on a timber sale. Check to see if landowners to the south have easement across state Comment:

land.

Site Condition Unknown Access Proposed Start Date: 10/1 /2021

Total Treatment 92.4 Acreage Proposed:

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Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Cond	dition	S
Acres	Available	With Condition	Not Available		2B	5B	5C	2G	5E
187	135	51	1	Aspen	6		45	1	
34	0	0	34	Cedar				34	
24	24	0	0	Herbaceous Openland	0				
25	25	0	0	Jack Pine					
3	3	0	0	Low-Density Trees					
532	447	9	76	Lowland Aspen/Balsam Poplar	9			76	
33	4	0	30	Lowland Conifers				30	
47	0	0	47	Lowland Deciduous				47	
235	120	0	115	Lowland Mixed Forest				115	
89	84	1	4	Lowland Shrub	1			4	
70	70	0	0	Marsh					
7	0	0	7	Mixed Upland Deciduous					7
51	51	0	0	Natural Mixed Pines					
67	0	67	0	Planted Mixed Pines		39	28		
174	23	151	0	Red Pine	12		139		
6	6	0	0	Upland Mixed Forest					
41	41	0	0	Water					
1,625	1,033	279	314	Total Forested Acres	28	39	212	307	7
	64%	17%	19%	Relative Percent					

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

					·		
	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

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	Available	2B: Unknown if access through adjacent landowner(s) is possible	19	Unspecified	Unspecified	Unspecified	Unspecified
U	n 03/28/2016, a v	ly unlikely. Times six. variance was approved to drop abouncers on this parcel and there				ough PVT from the south.	At this time there are
	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	134	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	120	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	omments:						

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10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	132	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	2E: Road needed	Unspecified	Unspecified	Unspecified
C	Comments:						
20	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
	comments: ong term retention	n from sale in stand 37					
21	Available	5B: Maintain for regeneration purposes	39	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						

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23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Mgt. Unit Compartment:
Year of Entry

Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS



* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area



Stand	d Level 4 C	over Type	;	Size De	ensity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
1	6132 - Mixed Lo Co	wland Fore edar	st with Po	letimbe	r Medium	n 21.5	110	1-50	N/A		Stand has heavy poorly drained soils. only part of the stand was harvested due to saturated soils. The timber sale that this stand was
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	apart of was 54-027-12 (Lost Snuff). This stand was attempted one year after the stand to the south was cut. There was not favorable winter or
	Red Maple	25	Pole	7		Ba	lsam Fir	Low	10 - 20 feet	Sapling	summer for this stand to be cut. It seems that the water table in the area
	Paper Birch	5	Pole/Log	8		Blac	ck Spruce	Low	< 5 feet	Sapling	has risen since the stand to the south was cut, making this stand
	Quaking Aspen	15	Pole/Log	9		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	inoperable.
	Balsam Poplar	10	Pole	7							
	Balsam Fir	5	Pole/Sapling	3							
	Black Spruce	10	Pole	6							
2	6112 - Lov	wland Aspe	n S	Sapling	Medium	30.4	3	Immature	N/A		Stand is growing well where it is not standing water. Rutting is very visible
	Canopy Species	% Cover	Size Class	DBI	l Age						with water standing in them.
	Quaking Aspen	60	Sapling	1	3						
	Red Maple	35	Sapling	1							
	Balsam Fir	5	Sapling	1							
3	623 - Emer	gent Wetla	nd	Nonst	ocked	19.9	ı	Unspecified	No		Odd flooding area.
4	6132 - Mixed Lo Co	wland Fore edar	st with P	Poletimb	er Well	98.3	101	Unspecified	N/A		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	15	Pole	7		Re	ed Maple	Low	5 - 10 feet	Sapling	
	Quaking Aspen	30	Pole	8		Ba	Isam Fir	Low	< 5 feet	Sapling	
	Balsam Fir	10	Pole	6		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	White Spruce	5	Pole	8							
No	orthern White Cedar	35	Pole	8	101						
	Tamarack	5	Pole	8							
5	6112 - Lov	wland Aspe	n	Saplin	g Well	39.9	24	Immature	N/A		Has some pockets with poor regeneration mostly to the north and to the
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	east. Red maple is concentrated mostly in the center of the stand. Close to converting into a pole size stand.
	Quaking Aspen	85	Sapling/Pole	4	24	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Red Maple	15	Sapling/Pole	4				,			



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
6	6128 - Lowland Dec	Coniferous ciduous	, Mixed F	Poletimbei	Medium	25.8	101	1-50	N/A		NE part of the stand has much lower stocking than the rest of the stand. Very wet area.
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole	7		Re	ed Maple	Low	Variable	Sapling	
	Quaking Aspen	15	Pole	8		Ва	llsam Fir	Low	Variable	Sapling	
	Balsam Fir	10	Pole	6		Ta	ag Alder	Medium	Variable	Tall Shrub	
	White Spruce	10	Pole	8							
No	rthern White Cedar	45	Pole	8	101						
	Tamarack	10	Pole	8							
7	6112 - Lo	wland Aspe	en	Poletimb		52.0	36	1-50	N/A		Stand has some overstory that was left from the sale 36 years ago. Some old skid trails are still visible that has nothing growing in them.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Most of the red maple is growing along the edge and northern part.
	Red Maple	30	Pole	5		Ва	Isam Fir	Trace	Variable	Sapling	
	Quaking Aspen	60	Pole	5	36	Re	ed Maple	Low	Variable	Sapling	
	Black Spruce	10	Pole	5							
9	6132 - Mixed Lo	wland Shrul owland Fore edar		Nonsto Poletimber		8.7 n 67.5	120	Inspecified 1-50	No N/A		Lowland flooding area. Pretty variable stand with variable sized trees and stocking level. Has a couple upland type pockets, but it is very wet. If harvested it would
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	convert into BAM, tag alder, cattails and maybe some red maple. It would also be very low stocking. Do not harvest this stand.
	Quaking Aspen	35	Pole	8		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	also be very low stockling. Do not harvest this stand.
No	orthern White Cedar	40	Pole/Log	8	120	Ва	ılsam Fir	Medium	Variable	Sapling	
	Red Maple	15	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Balsam Fir	8	Pole	6				1			
10	622 - Lov	wland Shrul	0	Nonsto	cked	6.5	L	Inspecified	No		Lowland flooding area.
11	6112 - Lo	wland Aspe	en	Sapling	Well	3.3	30	Immature	N/A		Was part of stand 103 in compartment to the west.
	Canopy Species	% Cover	Size Class	s DBH	Age						
	Quaking Aspen	60	Sapling/Po		30						
	Balsam Fir	15	Sapling	3							
	Red Maple	15	Sapling	3							
No	orthern White Cedar	10	Pole	8							
12	623 - Eme	rgent Wetla	ınd	Nonsto	cked	1.5	U	Inspecified	No		Lowland pocket.



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
13	6112 - Lov	vland Aspe	n	Sawtimb	er Well	37.7	44	81-110	N/A		This stand could be harvested. Off the NW corner of stand 79 is it pretty
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Specie	s Density	Avg. Height	Size	wet. Would need to be a winter harvest or dry summer.
	Red Maple	35	Pole/Log	9		Red	d Maple	Medium	Variable	Sapling	
	Quaking Aspen	60	Log/Pole	10	44	Bal	sam Fir	Low	Variable	Sapling	
	Black Spruce	5	Pole	6							
14	6120 - Lov	wland Ceda	nr P	oletimber	Medium	n 10.3	100	1-50	N/A		Very wet and low stocked mostly on the northern 3/4 of the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Specie	s Density	Avg. Height	Size	
	Red Maple	2	Pole	5		Bal	sam Fir	Low	Variable	Sapling	
	Quaking Aspen	5	Pole	6		Black	k Spruce	Low	Variable	Sapling	
	Black Spruce	10	Pole	5							
No	orthern White Cedar	73	Pole	7	100						
	Tamarack	10	Pole	6							
15	623 - Emer	gent Wetla	nd	Nonsto	cked	32.0		Unspecified	No		Has some spruce, red maple, and BAM. Also has tag alder.
16	6112 - Lov	vland Aspe	n	Sapling		42.6	15	Immature	N/A		Cut in 2005. The western edge of the stand has less regeneration.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	25	Sapling	3							
	Quaking Aspen	63	Sapling	3	15						
	Balsam Fir	5	Sapling	3							
	Tamarack	5	Sapling	3							
	Hemlock	2	Log	12							
17	623 - Emer	gent Wetla	nd	Nonsto	cked	3.0		Unspecified	No		
18	622 - Low	land Shrub)	Nonsto	cked	1.5	0	Unspecified	No		Lowland pocket with standing water.
19	6117 - Lowland Coni	Deciduous, ferous	Mixed	Poletimb	er Well	14.0	110	51-80	N/A		Pretty wet area. The east half is the worst part. Possible harvest?
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Specie	s Density	Avg. Height	Size	
	Red Maple	30	Pole/Log		110	Red	d Maple	Low	Variable	Sapling	
	Paper Birch	5	Pole/Log	8		Bal	sam Fir	Medium	Variable	Sapling	
	Quaking Aspen	25	Log/Pole	10		Blac	k Spruce	Trace	Variable	Sapling	
	Balsam Fir	15	Pole	7			g Alder	Trace	5 - 10 feet	Tall Shrub	
	Black Spruce	15	Pole	6							
No	orthern White Cedar	10	Pole/Log	9							



Stand	Level 4 Co	over Type		Size De	ilibity	Acres	Stand Age E	A Kange	Managed S	Site	General Comments
20	6112 - Low	·			er Well	20.3	30	1-50	N/A		Just converting into pole size trees. Has some areas that are really wet that have sapling sized trees. Other we areas have really nothing growing
	Canopy Species	% Cover	Size Class Pole		I Age						in them. These tend to be small pockets.
	Red Maple	75	Pole	5	30						
(Quaking Aspen Balsam Fir	10	Pole	5	30						
	Daisani i ii	10	1 010	0							
21	3302 - Low Dens	sity Conife	r Trees	Nonst	ocked	2.5	L	Inspecified	No		Opening that may have been an old large landing location.
22	6112 - Low	vland Aspe	en F	oletimb	er Well	17.5	41	1-50	N/A		Very wet in spots. This is where the tag alder is. Stocking is variable du
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	to wet nature of this.
	Red Maple	30	Pole/Sapling	5		Ba	alsam Fir	Low	Variable	Sapling	
	Paper Birch	10	Pole/Sapling	5		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
(Quaking Aspen	45	Pole/Sapling	5	41						•
	Black Spruce	5	Pole/Log	8							
Nor	rthern White Cedar	10	Pole/Log	8							
1401											
	3102 -	- Grass		Nonst	ocked	12.3	L	Inspecified	No		Powerline ROW
23	3102 - 4133 - Aspe	n, Mixed P			ocked er Well	12.3 36.1	65	Inspecified 81-110	No N/A		The southern part of this stand is upland and the northern part is more
23	4133 - Aspe	n, Mixed P	Size Class	Poletimb		36.1 Sub-Ca	65 nopy Species	81-110 Density	N/A Avg. Height	Size	
23 24	4133 - Aspe Canopy Species Red Maple	n, Mixed P % Cover	Size Class Pole	Poletimb DBH	er Well	36.1 Sub-Ca	65 Inopy Species ed Maple	81-110 Density Medium	N/A Avg. Height Variable	Sapling	The southern part of this stand is upland and the northern part is more
23	4133 - Aspe Canopy Species Red Maple Red Oak	% Cover	Size Class Pole Log/Pole	DBH 6 10	er Well	36.1 Sub-Ca	65 anopy Species ed Maple ded Oak	81-110 Density Medium Trace	N/A Avg. Height Variable Variable	Sapling Sapling	The southern part of this stand is upland and the northern part is more
23	4133 - Aspe Canopy Species Red Maple Red Oak White Pine	n, Mixed P % Cover 20 10 10	Pole Log/Pole Log/Pole	0 DBH 6 10 11	er Well	36.1 Sub-Ca	65 Inopy Species ed Maple led Oak hite Pine	81-110 Density Medium Trace Trace	N/A Avg. Height Variable Variable Variable	Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more
23	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine	n, Mixed P % Cover 20 10 10 15	Pole Log/Pole Log/Pole Log	DBH 6 10 11 11	er Well Age	36.1 Sub-Ca	65 anopy Species ed Maple ded Oak	81-110 Density Medium Trace	N/A Avg. Height Variable Variable	Sapling Sapling	The southern part of this stand is upland and the northern part is more
23	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen	% Cover 20 10 10 15 40	Pole Log/Pole Log/Pole Log Pole Pole	DBH 6 10 11 11 8	er Well	36.1 Sub-Ca	65 Inopy Species ed Maple led Oak hite Pine	81-110 Density Medium Trace Trace	N/A Avg. Height Variable Variable Variable	Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more
23	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir	n, Mixed P % Cover 20 10 10 15 40 3	Pole Log/Pole Log/Pole Log Pole Pole	Poletimb DBH 6 10 11 11 8 6	er Well Age	36.1 Sub-Ca	65 Inopy Species ed Maple led Oak hite Pine	81-110 Density Medium Trace Trace	N/A Avg. Height Variable Variable Variable	Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen	n, Mixed P % Cover 20 10 10 15 40 3 2	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log	Poletimb DBH 6 10 11 11 8 6 9	er Well Age	36.1 Sub-Ca	65 Inopy Species ed Maple led Oak hite Pine	81-110 Density Medium Trace Trace	N/A Avg. Height Variable Variable Variable	Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar	n, Mixed P % Cover 20 10 10 15 40 3 2	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log	Poletimb DBH 6 10 11 11 8 6 9	er Well 84 65 er Well	36.1 Sub-Ca Re R W Ba	65 Inopy Species ed Maple ded Oak hite Pine alsam Fir	81-110 Density Medium Trace Trace Low	N/A Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar	n, Mixed P % Cover 20 10 10 15 40 3 2	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log	Poletimb DBH 6 10 11 11 8 6 9	er Well Age 84 65	36.1 Sub-Ca Re R W Ba	65 Inopy Species ed Maple ded Oak hite Pine alsam Fir	81-110 Density Medium Trace Trace Low	N/A Avg. Height Variable Variable Variable Variable	Sapling Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar 6112 - Low	n, Mixed P % Cover 20 10 10 15 40 3 2 vland Aspec	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log Size Class	Poletimb DBI 6 10 11 11 8 6 9 Poletimb DBI DBI	er Well 84 65 er Well	36.1 Sub-Ca Re Re W Ba	65 Inopy Species and Maple and Oak thite Pine alsam Fir 37 Inopy Species	81-110 Density Medium Trace Trace Low 1-50 Density	N/A Avg. Height Variable Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar 6112 - Low Canopy Species Red Maple	20 10 10 15 40 3 2 vland Aspe	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log Size Class Pole	DBH	84 65 er Well	36.1 Sub-Ca Re Re W Ba 82.9 Sub-Ca	65 Inopy Species and Maple and Oak thite Pine alsam Fir 37 Inopy Species alsam Fir	81-110 Density Medium Trace Trace Low 1-50 Density Medium	N/A Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Sapling Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar 6112 - Low Canopy Species Red Maple Quaking Aspen	n, Mixed P % Cover 20 10 10 15 40 3 2 vland Asper 10 53	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log Size Class Pole Pole	DBH 6 10 11 11 8 6 9 DBH 5 6	84 65 er Well	36.1 Sub-Ca Re Re W Ba 82.9 Sub-Ca	65 Inopy Species and Maple and Oak thite Pine alsam Fir 37 Inopy Species alsam Fir and Maple	81-110 Density Medium Trace Trace Low 1-50 Density Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor 25	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar 6112 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir	n, Mixed P Cover 20 10 10 15 40 3 2 vland Asper 10 53 25	Pole Log/Pole Log/Pole Log Pole Pole Pole/Log Size Class Pole Pole Pole Pole Pole Pole Pole	DBH	84 65 er Well	36.1 Sub-Ca Re Re W Ba 82.9 Sub-Ca	65 Inopy Species and Maple and Oak thite Pine alsam Fir 37 Inopy Species alsam Fir and Maple	81-110 Density Medium Trace Trace Low 1-50 Density Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.
23 24 Nor 25	4133 - Aspe Canopy Species Red Maple Red Oak White Pine Red Pine Quaking Aspen Balsam Fir rthern White Cedar 6112 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir White Spruce	n, Mixed P % Cover 20 10 10 15 40 3 2 vland Asper 10 53 25 5	Pole Log/Pole Log/Pole Log Pole Pole Pole Pole/Log Size Class Pole Pole Pole Pole Pole	Poletimb DBH 6 10 11 11 8 6 9 Poletimb DBH 5 6 5 5	84 65 er Well	36.1 Sub-Ca Re Re W Ba 82.9 Sub-Ca	65 Inopy Species and Maple and Oak thite Pine alsam Fir 37 Inopy Species alsam Fir and Maple	81-110 Density Medium Trace Trace Low 1-50 Density Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	The southern part of this stand is upland and the northern part is more lowland. Pine is to the south.



Stand	Level 4 Cover Type			Size Density	Acres	Stand Age	Managed S	Site	General Comments	
28	42210 - Na	tural Red Pi	ne	Sawtimber Well	12.3	109	111-140	N/A		best access is through private property to the south. On 03/28/2016, a variance was approved to drop all treatments on this stand. Best access
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Specie	es Density	Avg. Height	Size	into this stand is through PVT from the south. At this time there are
	Red Maple	5	Log	11	R	ed Maple	Low	Variable	Sapling	several small landowners on this parcel and there is a dispute amongst
	Red Oak	15	Log	12	W	hite Pine	Low	Variable	Sapling	them on road rights.
	Quaking Aspen	5	Log	11						
	White Pine	5	Log	13						
	Red Pine	70	Log	13 109						
31	622 - Lov	vland Shrub		Nonstocked	51.2		Unspecified	No		
32	4130	- Aspen		Sapling Medium	14.4	5	Immature	N/A		powerline north of stand. road into stand from north is bumpy/rough, but
	Canopy Species	% Cover	Size Class	DBH Age						has a good bottom with lots of gravel/rock.
	Quaking Aspen	70	Sapling	1 5						Has some wet pockets with no regeneration.
	Red Maple	30	Sapling	1						
34	622 - Lov	vland Shrub	ı	Nonstocked	5.4		Unspecified	No		Tag Alder lowland pocket
35	6117 - Lowland Con	Deciduous, iferous	Mixed	Poletimber Well	33.4	65	Unspecified	N/A		Would be very difficult to harvest in the southern part of the stand. Would have to be winter harvest only. Might be able to harvest.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Specie	es Density	Avg. Height	Size	
	Red Maple	25	Pole/Log	8	Ва	alsam Fir	Low	Variable	Sapling	
	Balsam Fir	10	Pole	5	R	ed Maple	Medium	Variable	Sapling	
	Black Spruce	15	Pole	5						
No	rthern White Cedar	15	Pole/Log	9 100						
	Quaking Aspen	35	Pole	8 65						
36	623 - Emer	gent Wetlar	nd	Nonstocked	9.0		Unspecified	No		Stand swapped from Forested to Non-Forested. Has some red maple, BAM, and tag alder. Will never amount to a full forested stand.
37	4130	- Aspen		Sapling Well	48.9	5	Immature	N/A		Stand is regenerating well.
	Canopy Species	% Cover	Size Class	DBH Age						
	Quaking Aspen	60	Sapling	1 5						
	Red Maple	30	Sapling	1						
	Red Oak	10	Log	12						
38	42110 - Pla	nted Red Pi	ne	Sawtimber Well	13.0	82	111-140	N/A		Could be harvested now, but would prefer to wait 10 more years.
	Canopy Species		Size Class			anopy Specie		Avg. Height	Size	
	Red Oak	10	Log	10		ed Maple	High	Variable	Sapling	
	Quaking Aspen	5	Log	11	F	Red Oak	Low	Variable	Sapling	
	White Pine Red Pine	10 75	Log Log	10 13 82						



Stand	nd Level 4 Cover Type			Size De	iioity	Acres	Stand Age I	z, i i i i i i	Managed S	oite	General Comments
39	500 -	- Water owland Aspen		Nonsto	cked	30.7	ι	Jnspecified	No		
40	6112 - Lov			Poletimber Well		22.5	65	1-50	N/A		Very wet ground with poor access.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	30	Pole	6		Re	ed Maple	Medium	Variable	Sapling	
	Paper Birch	5	Pole	5		Ва	ılsam Fir	Low	Variable	Sapling	
	Quaking Aspen	55	Pole	6	65	Ta	ag Alder	Trace	5 - 10 feet	Tall Shrub	
	Balsam Fir	5	Pole	5							
No	orthern White Cedar	5	Pole/Log	8							
41	42121 - Planted Deci	Jack Pine, iduous	Mixed	Sapling	Well	9.6	27	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Oak	15	Sapling	4							
	Quaking Aspen	15	Sapling	4							
	Jack Pine	65	Sapling	4	27						
	Pin Cherry	5	Sapling	3							
	1 III Onony		Oapinig	J							
42	42140 - Plan	ited Mixed F	Pine Sa	awtimber			90	81-110	N/A	0:	Stand was thinned to 100 BA. Red maple is very thick in understory. Was thinned pretty heavy allowing red maple to grow thick in the understory.
42	42140 - Plan Canopy Species	ited Mixed F	Pine Sa	awtimber DBH	Medium	Sub-Ca	nopy Species	Density	Avg. Height	Size	thinned pretty heavy allowing red maple to grow thick in the understory.
42	42140 - Plan Canopy Species Red Maple	ted Mixed F % Cover 5	Pine Sa Size Class Pole	awtimber DBH		Sub-Ca	nopy Species ed Maple	Density High	Avg. Height Variable	Sapling	thinned pretty heavy allowing red maple to grow thick in the understory.
42	42140 - Plan Canopy Species Red Maple Red Oak	% Cover 5 5	Pine Sa Size Class Pole Log/Pole	DBH 4 8		Sub-Ca	nopy Species	Density	Avg. Height		
42	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen	% Cover 5 5 5	Pine Sa Size Class Pole Log/Pole Pole	DBH 4 8 5		Sub-Ca	nopy Species ed Maple	Density High	Avg. Height Variable	Sapling	thinned pretty heavy allowing red maple to grow thick in the understory.
42	42140 - Plan Canopy Species Red Maple Red Oak	% Cover 5 5	Pine Sa Size Class Pole Log/Pole	DBH 4 8		Sub-Ca	nopy Species ed Maple	Density High	Avg. Height Variable	Sapling	thinned pretty heavy allowing red maple to grow thick in the understory.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine	5 5 5 30	Pine Sa Size Class Pole Log/Pole Pole Log Log Log	DBH 4 8 5 13	Age	Sub-Ca	nopy Species ed Maple	Density High	Avg. Height Variable	Sapling	thinned pretty heavy allowing red maple to grow thick in the understory.
42	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Lov	% Cover 5 5 5 30 55	Pine Sa Size Class Pole Log/Pole Pole Log Log Log	### DBH 4 8 5 13 11 Poletimb	90 er Well	Sub-Ca Re R	nopy Species ed Maple led Oak	High Low	Avg. Height Variable Variable N/A	Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine	% Cover 5 5 5 30 55	Pine Sa Size Class Pole Log/Pole Pole Log Log Log	### DBH 4 8 5 13 11 Poletimb	Age	Sub-Ca	nopy Species ed Maple ed Oak 34 nopy Species	High Low	Avg. Height Variable Variable	Sapling Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species	sted Mixed F Cover 5 5 5 30 55 wland Aspe	Pine Sa Size Class Pole Log/Pole Pole Log Log Size Class	DBH 4 8 5 13 11 Poletimb	90 er Well	Sub-Ca Re R 16.6 Sub-Ca	nopy Species ed Maple led Oak	High Low 1-50 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling Size	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple	sted Mixed F **Cover* 5 5 5 30 55 wland Aspe **Cover* 30	Pine Sa Size Class Pole Log/Pole Pole Log Log Size Class Pole	awtimber DBH 4 8 5 13 11 Poletimb DBH 5	90 er Well	Sub-Ca Re Re Re 16.6 Sub-Ca Ta	nopy Species ad Maple ad Oak 34 nopy Species ag Alder	High Low 1-50 Density Medium	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Tall Shrub	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak	S	Pine Sa Size Class Pole Log/Pole Pole Log Log Pole Pole Pole Pole Pole	### DBH 4 8 5 13 11 ### Poletimb 5 8 8	90 er Well	Sub-Ca Re Re 16.6 Sub-Ca Ta	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple	High Low 1-50 Density Medium Medium	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable	Sapling Sapling Size Tall Shrub Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak Quaking Aspen	Solution	Pine Sa Size Class Pole Log/Pole Pole Log Log Pole Pole Pole Pole	DBH 4 8 5 13 11 Poletimb DBH 5 8 5	90 er Well	Sub-Ca Re Re 16.6 Sub-Ca Ta	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple	High Low 1-50 Density Medium Medium	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable	Sapling Sapling Size Tall Shrub Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak Quaking Aspen Balsam Fir	## Aspe ##	Pine Sa Size Class Pole Log/Pole Pole Log Log N Size Class Pole Pole Pole Pole Pole Pole Pole	DBH	90 er Well Age	Sub-Ca Re Re 16.6 Sub-Ca Ta	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple	High Low 1-50 Density Medium Medium	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable	Sapling Sapling Size Tall Shrub Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone. Aspen is concentrated around the edge and northern part of the stand.
43	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak Quaking Aspen Balsam Fir Red Pine	S	Pine Sa Size Class Pole Log/Pole Pole Log Log N Size Class Pole Pole Pole Pole Pole Pole Pole	### DBH	90 er Well Age	Sub-Ca Re R 16.6 Sub-Ca Ta Re Ba 20.0	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple alsam Fir	1-50 Density Medium Low 111-140	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable Variable	Sapling Sapling Size Tall Shrub Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone.
43	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak Quaking Aspen Balsam Fir Red Pine 42210 - Nat	S	Pine Sa Size Class Pole Log/Pole Pole Log Log Size Class Pole Pole Pole Pole Pole Pole Pole Pol	### DBH	90 er Well Age 34	Sub-Ca Re Re 16.6 Sub-Ca Re Ba 20.0 Sub-Ca	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple alsam Fir	1-50 Density Medium Low 111-140	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable Variable N/A	Sapling Sapling Size Tall Shrub Sapling Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone. Aspen is concentrated around the edge and northern part of the stand.
43	42140 - Plan Canopy Species Red Maple Red Oak Quaking Aspen White Pine Red Pine 6112 - Low Canopy Species Red Maple Red Oak Quaking Aspen Balsam Fir Red Pine 42210 - Nat	S	Pine Sa Size Class Pole Log/Pole Pole Log Log Size Class Pole Pole Pole Pole Pole Size Class Size Class	DBH 4 8 5 13 11 Poletimb DBH 5 8 5 9 Sawtimb DBH	90 er Well Age 34	Sub-Ca Re Re 16.6 Sub-Ca Re Ba 20.0 Sub-Ca	anopy Species and Maple and Oak 34 anopy Species and Alder and Maple alsam Fir 72 anopy Species	1-50 Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet Variable Variable N/A Avg. Height	Sapling Size Tall Shrub Sapling Sapling Sapling	thinned pretty heavy allowing red maple to grow thick in the understory. The majority of the aspen, maple, and oak is in the NE part of the stand. East half is much wetter than the west half. Kind of a transition zone. Aspen is concentrated around the edge and northern part of the stand.



Stan	d Level 4 C	Level 4 Cover Type			Size Density		es Stand Age BA Range		Managed Site		General Comments	
46	4130	- Aspen	-	Poletimb	er Well	l 23.2	52	51-80	N/A		Transitions from a lowland like stand to upland from a East to West. Trees are slightly larger on the north end of the stand. Just made the	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	transition into pole size trees.	
	Red Oak	10	Pole/Log	8		Re	d Maple	Medium	Variable	Sapling		
	Bigtooth Aspen	70	Pole	8	52							
	White Pine	5	Pole	8								
	Red Pine	5	Pole	8								
	Red Maple	10	Pole	6								
47	6112 - Lo	wland Aspe	n	Sapling	Well	71.0	28 I	mmature	N/A		This is a wet stand on the east side. Stocking gets pretty low there as	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	well.	
	Red Maple	10	Sapling	4		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub		
	Quaking Aspen	75	Sapling	4	28						•	
	Red Pine	5	Sapling	4								
	Jack Pine	5	Sapling	4	28							
	Balsam Fir	5	Sapling	4								
49	42110 - Pla	nted Red P	ine	Sawtimb	er Well	l 111.9	102	81-110	N/A		Could have a final harvest done. Stand next door will not be planted until	
	Canopy Species	% Cover Size Class		DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2022.	
	Red Pine	95	Log	13	102	R	ed Oak	Medium	Variable	Sapling		
	Red Oak	5	Log	10		Blueberry/B	ilberry/Cranber	ry Medium	< 5 feet	Tall Shrub		
						Pir	n Cherry	Low	5 - 10 feet	Sapling		
						Re	d Maple	Low	Variable	Sapling		
51	4130	- Aspen	!	Poletimb	er Well	l 14.2	34	1-50	N/A		Just converting into a pole size stand with some larger oak there were le	
	Canopy Species	% Cover	Size Class	DBH	Age						from the sale.	
	Red Oak	15	Pole	5								
	Bigtooth Aspen	75	Pole	5	34							
	Red Pine	5	Pole	5								
	Jack Pine	5	Pole	5								
52	42290 - Nati	ural Mixed F	Pine	Poletimb	er Well	l 29.8	37	1-50	N/A		Looks as if the white pine were left from sale when this stand was harvested. Just converting into a pole size stand. In spots it almost looks	
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	planted. Just converting into a pole size stand. In spots it almost looks planted.	
	Quaking Aspen	20	Pole	5	37	Re	d Maple	Low	Variable	Sapling		
	White Pine	10	Pole	8		R	ed Pine	Low	Variable	Sapling		
	Red Pine	40	Pole	5	37		ick Pine	Medium	Variable	Sapling		
	Jack Pine	30	Pole	5		Servicebe	erry (Juneberry)	Low	5 - 10 feet	Tall Shrub		
					`]	Pir	n Cherry	Low	Variable	Sapling		
54	500	- Water		Nonsto	cked	10.6	U	nspecified	No	_	Flooding area that is full of water.	



Stand	and Level 4 Cover Type		;	Size De	nsity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments	
55	4133 - Aspe	en, Mixed P	ine P	oletimb	er Well	7.0	27	1-50	N/A		Just converting into a pole size stand.	
(Canopy Species	% Cover	Size Class	DBH	l Age							
	Red Maple	10	Pole/Sapling	5								
	Red Oak	2	Sapling/Pole	4								
C	Quaking Aspen	58	Pole/Sapling	5	27							
	Red Pine	25	Sapling/Pole	4								
	Jack Pine	5	Pole/Sapling	5								
64	6112 - Lo	wland Aspe	n	Sapling	y Well	1.7	24	Unspecified	N/A		Very wet pocket that was part of stand 5.	
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size		
C	Quaking Aspen	85	Sapling/Pole	4	24	Ta	amarack	Low	Variable	Sapling		
	Black Spruce	10	Sapling/Pole	4		Ta	ag Alder	High	5 - 10 feet	Tall Shrub		
	Tamarack	5	Sapling/Pole	4							-	
65		- Grass		Nonsto		0.7	0	Unspecified	No		Old landing location.	
66		wland Ceda		oletimb		16.8	101	1-50	N/A		1	
(Canopy Species		Size Class		l Age		nopy Speci		Avg. Height	Size		
	Red Maple	10	Pole	7			ed Maple	Low	5 - 10 feet	Sapling		
6	Quaking Aspen Balsam Fir	15 5	Pole Pole	7 5			alsam Fir	Low	< 5 feet 5 - 10 feet	Sapling		
١	White Spruce	10	Pole	7	<u> </u>	l č	ag Alder	iviedium	5 - 10 leet	Tall Shrub		
	thern White Cedar	55	Pole	7	101							
INOILI	Tamarack	5	Pole	7	101							
67		wland Aspe		oletimb	er Well	4.6	91	1-50	N/A		Transition zone from stand 5 to stand 6. A lowland area to goes into a	
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	more swamp standing water zone.	
	Red Maple	10	Pole	7		Re	ed Maple	Low	Variable	Sapling		
C	Quaking Aspen	60	Pole	8	91	Ва	ılsam Fir	Low	Variable	Sapling		
	Balsam Fir	10	Pole	6							-	
1	White Spruce	5	Pole	7								
Nortl	hern White Cedar	15	Pole	8	101							
	hern White Cedar		Pole			4.8	0	Unspecified	No		Lowland shrub area with some fir, cedar, and maple.	



Stand	l Level 4 C	Cover Type		Size Density			Acres Stand Age BA Range			Site	General Comments
69	6120 - Lo	wland Ceda	r P	Poletimber Medium		6.9	120	1-50	N/A		A lowland cedar spruce, fir stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Paper Birch	5	Pole/Log	7		Ва	alsam Fir	Low	Variable	Sapling	
	Quaking Aspen	10	Log	10		Re	ed Maple	Low	Variable	Sapling	
No	rthern White Cedar	55	Pole	8	120	Ta	ag Alder	Trace	5 - 10 feet	Tall Shrub	
	Red Maple	5	Log	8							
	Black Spruce	15	Pole	6							
	Balsam Fir	10	Pole	6							
70	6112 - Lo	wland Asper	n	Poletimb	er Well	8.6	85	51-80	N/A		Wet stand that has low quality trees growing.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	
	Red Maple	30	Pole	7		Ва	alsam Fir	Medium	Variable	Sapling	
	Quaking Aspen	50	Pole	8	85	Ta	ag Alder	Trace	5 - 10 feet	Tall Shrub	
	Balsam Fir	15	Pole	7		Re	ed Maple	Low	Variable	Sapling	
No	rthern White Cedar	5	Pole	8							•
71	623 - Emer	rgent Wetlar	nd	Nonsto	ocked	4.6	0	Unspecified	No		Seasonal drainage area.
72	622 - Lov	vland Shrub		Nonsto	cked	0.9	0	Unspecified	No		very wet, inoperable. age estimated because can't read ages on balm.
73	6112 - Lo	wland Asper	n S	awtimber	Medium	4.3	91	51-80	N/A		Part of the sale in stand 2, but was too wet to harvest.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Quaking Aspen	55	Log	10	91	Ba	alsam Fir	Medium	Variable	Sapling	
	Balsam Fir	30	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Red Maple	15	Pole/Log	8							
74	6132 - Mixed Lo C	wland Fores edar	st with	Sapling	y Well	21.9	3	Immature	N/A		Looks like they just cut what they could and left the areas that were too wet.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Balsam Fir	10	Pole	6							
No	rthern White Cedar	20	Pole	8	91						
	Quaking Aspen	35	Sapling	1	3						
	Red Maple	20	Sapling	1							
	Quaking Aspen	15	Log	10							
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Stand	d Level 4 C	over Type		Size Density		Stand Age	BA Range	Managed S	Site	General Comments	
75	6128 - Lowland Dec	Coniferous,	, Mixed	Poletimber Well	7.7	44	81-110	N/A		Pocket of cedar, spruce and fir.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	Red Maple	20	Pole	5	R	ed Maple	Low	Variable	Sapling		
	Quaking Aspen	20	Pole	6 44	В	alsam Fir	Low	Variable	Sapling		
	Black Spruce	20	Pole	6							
No	orthern White Cedar	10	Pole	8							
	Balsam Fir	15	Pole	6							
	White Pine	5	Pole/Log	9							
	Red Pine	10	Pole/Log	9							
76	622 - Lov	vland Shrub)	Nonstocked	5.2	0	Unspecified	No		Lowland pockets	
77	6112 - Lo	wland Aspe	n	Poletimber Well	8.2	44	51-80	N/A		Lowland stand with some dead ash and some larger trees on the NE and	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	NW corners.	
	Red Maple	35	Pole	7	R	ed Maple	Low	Variable	Sapling		
	Quaking Aspen	60	Pole	7 44	В	alsam Fir	Low	Variable	Sapling		
	Black Spruce	5	Pole	6	Т	ag Alder	Low	5 - 10 feet	Tall Shrub		
78	6112 - Lo	wland Aspe	n	Poletimber Well	5.7	44	1-50	N/A		Just converted into pole size stand.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size		
	Red Maple	35	Pole	6	R	ed Maple	Low	Variable	Sapling		
	Quaking Aspen	60	Pole	7 44	В	alsam Fir	Low	Variable	Sapling		
	Balsam Fir	5	Pole	6						•	
79	622 - Lov	vland Shrub)	Nonstocked	0.3	0	Unspecified	No			
80	6112 - Lo	wland Aspe	n	Sapling Poor	10.7	45	1-50	N/A		Very wet area. Flooding zone. The west edge is slightly better.	
	Canopy Species	% Cover	Size Class	DBH Age		anopy Species	s Density	Avg. Height	Size		
	Red Maple	30	Sapling	4 45	R	ed Maple	Low	10 - 20 feet	Sapling		
	Paper Birch	5	Pole/Sapling	g 5	В	alsam Fir	Low	5 - 10 feet	Sapling		
	Quaking Aspen	25	Sapling	4	Т	ag Alder	High	5 - 10 feet	Tall Shrub		
	Balsam Poplar	20	Pole/Sapling	-							
	Balsam Fir	5	Sapling/Pole	e 4							
No	orthern White Cedar	15	Pole	8							
81	622 - Lov	vland Shrub)	Nonstocked	1.8	0 1	Unspecified	No		Lowland flooding area.	



Stand	i Level 4 Cover Type			Size De	ensity	Acres Stand Age BA Range			Managed Site		General Comments
82	6112 - Low			Poletimb	er Well	18.8	44	1-50	N/A		Variable stand. Larger trees to the NE part of the stand.
	Canopy Species		Size Class		l Age		nopy Species	Density	Avg. Height	Size	
	Red Maple	25	Pole	5		Re	ed Maple	Low	Variable	Sapling	
	Quaking Aspen	55	Pole	6	44	Ва	Isam Fir	Low	Variable	Sapling	
	Black Spruce	10	Pole	5		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Balsam Fir	10	Pole	6							
83	6229 - Mixed	lowland sh	nrub	Nonsto	ocked	2.3	0	Jnspecified	No		Has some trees growing in it. Lowland pocket with low stocking.
84	622 - Low	land Shrub)	Nonsto	ocked	0.7	0	Jnspecified	No		Lowland pocket for drainage.
85	4191 - Mixed Upla Co	ınd Decidu nifer	ous with	Sawtimb	er Well	6.8	102	111-140	N/A		Retention pockets left from timber sale on stand 37.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	40	Log	12	102	Re	ed Maple	Low	Variable	Sapling	
	Red Oak	30	Log	12			-		I		
	Red Maple	10	Log	10							
	Quaking Aspen	20	Log	10							
86	4130 -	- Aspen		Poletimb	er Well	13.5	37	1-50	N/A		Upland pocket that transitions into a lowland area.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	20	Pole	5			ed Maple	Low	Variable	Sapling	
	Quaking Aspen	75	Pole	6	37		-		I		
	Balsam Fir	5	Pole	5							
87	6112 - Low	vland Aspe	en	Poletimb	er Well	17.7	84	51-80	N/A		Very wet ground with bad access. There is a good chance if it gets
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvested it will not come back to a fully stocked stand.
	Red Maple	30	Pole	8	84		ed Maple	Low	Variable	Sapling	
	Paper Birch	5	Pole	5		Ва	Isam Fir	Low	Variable	Sapling	
	Quaking Aspen	25	Pole	6		Ta	ag Alder	Trace	5 - 10 feet	Tall Shrub	
	Balsam Poplar	20	Pole	7			-				
	Balsam Fir	5	Pole	5							
No	orthern White Cedar	15	Pole	8							
88	42290 - Natu	ral Mixed F	Pine	Poletimb	er Well	21.0	52	1-50	N/A		Nice mixed pine stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Oak	5	Pole	6			d Maple	Low	Variable	Sapling	
	Bigtooth Aspen	15	Pole	6	52				I.	. 0	
	White Pine	10	Pole	8							
		1		1	1						
	Red Pine	30	Pole	8							



Stand	Level 4 C	Size Density		Acres Stand Age BA Range			Managed S	Site	General Comments		
89	4139 - Aspen,	Mixed Decid	duous	Sawtimber Wel		6.3	70	111-140	N/A		best access is through private property to the south. On 03/28/2016, a
	Canopy Species	% Cover	Size Class	DBH A	e	Sub-Can	opy Species	Density	Avg. Height	Size	variance was approved to drop all treatments on this stand. Best access into this stand is through PVT from the south. At this time there are
	Red Maple	20	Log	11		Red	Maple	Low	Variable	Sapling	several small landowners on this parcel and there is a dispute amongs
	Red Oak	15	Log	12		Whi	te Pine	Trace	Variable	Sapling	them on road rights.
C	Quaking Aspen	50	Log	11 7)						Upland ridge.
	White Pine	5	Log	13							
	Red Pine	10	Log	13							
90	6112 - Lov	wland Asper	n I	Poletimber V	Vell	7.5	84	51-80	N/A		Fairly wet ground.
(Canopy Species	% Cover	Size Class	DBH A	e	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	30	Pole/Log	8 8	4	Red	Maple	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Pole	5		Bals	am Fir	Low	5 - 10 feet	Sapling	
C	Quaking Aspen	25	Pole/Log	6		Tag	Alder	Low	5 - 10 feet	Tall Shrub	
E	Balsam Poplar	20	Log/Pole	7				,			•
	Balsam Fir	5	Pole/Sapling	9 4							
Nort	hern White Cedar	15	Pole/Log	8							
91	6132 - Mixed Lo Co	wland Fores edar	st with	Poletimber V	Vell	25.7	100	81-110	N/A		Too wet to harvest.
(Canopy Species	% Cover	Size Class	DBH A	e	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	25	Pole	8		Bals	am Fir	Medium	Variable	Sapling	
(Quaking Aspen	20	Pole/Log	9		Red	Maple	Low	Variable	Sapling	
	Balsam Fir	10	Pole	5							
	Black Spruce	15	Pole	5							
Nort	hern White Cedar	30	Log/Pole	9 10	0						
93	42140 - Plan	ted Mixed F	Pine	Sawtimber V	/ell	28.2	90	111-140	N/A		Could set up for a final harvest. Thinning would cause too much red maple and aspen to regenerate.
(Canopy Species		Size Class	DBH A	e	Sub-Can	opy Species	Density	Avg. Height	Size	maple and aspen to regenerate.
	Red Maple	5	Pole	4			Maple	Low	5 - 10 feet	Sapling	
	Red Oak	5	Log/Pole	8		Re	d Oak	Low	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole	5							
	White Pine	30	Log	13							
	Red Pine	55	Log	11 9)						
94	42110 - Pla	nted Red Pi	ne	Sawtimber V	/ell	14.1	102	81-110	N/A		If this stand was planted it is very hard to see any rows. Could be set up
(Canopy Species		Size Class	DBH A			opy Species		Avg. Height	Size	for a harvest. Would not thin because it is already fairly open.
	Red Pine	100	Log	13 10	2	Re	d Oak	Medium	Variable	Sapling	
					Blu	ueberry/Bil	berry/Cranber	rry Medium	< 5 feet	Tall Shrub	
						Pin	Cherry	Low	Variable	Sapling	
						Red	Maple	Low	Variable	Sapling	



Stand	d Level 4 Cover Type			Size De	nsity	Acres	Stand Age	BA Range	Managed Site		General Comments
95	4133 - Aspe	en, Mixed P	ine	Sawtimb	er Well	8.2	65	81-110	N/A		Pine is located mostly in the northern part of the stand. Could be
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	harvested.
	Red Pine	20	Log	13		R	ed Oak	Low	Variable	Sapling	
	Bigtooth Aspen	50	Log	10	65	Re	ed Maple	Low	Variable	Sapling	
	Red Maple	15	Pole/Log	9							
	Red Oak	15	Log	12							
96	3102	- Grass		Nonsto	cked	5.4	0	Unspecified	No		Old landing location.
97	42220 - Nat			oletimber		15.3	40	1-50	N/A		This is almost a flooding area that is upland. Very odd transitional stand that floods at times but has upland traits.
	Canopy Species		Size Class		Age						that hoods at times but has apiana traits.
	Red Pine	10	Pole	5							
	Jack Pine	70	Pole	5	40						
	Bigtooth Aspen	15	Pole	5							
	Red Maple	5	Pole	5							
98	4133 - Aspe			Poletimb		13.6	52	51-80	N/A		Just converting into pole size trees. Has a pocket of red an jack pine in the center of the stand on the west edge.
	Canopy Species		Size Class		Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	the center of the stand off the west eage.
	Red Oak	10	Pole	6		Re	ed Maple	Low	Variable	Sapling	
	Bigtooth Aspen	55	Pole	6	52						
	Jack Pine	10	Pole	6							
	Red Pine	25	Pole	6							
99	3102	- Grass		Nonsto	cked	2.1	0	Unspecified	No		Possible old landing location.
100	42210 - Nat	tural Red P	ine	Sawtimb	er Well	2.8	91	111-140	N/A		Looks as if it was a retention pocket from stand 52 when it was harvested.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	
	Quaking Aspen	20	Log	10		Re	ed Maple	Low	Variable	Sapling	
	White Pine	10	Log	12							
	Red Pine	60	Log	12	91						
	Red Maple	10	Pole/Log	9							
101	3102	- Grass		Nonsto	cked	1.8	0	Unspecified	No		Maybe an old landing location
102	3102	- Grass		Nonsto	cked	1.3	0	Unspecified	No		Could be an old landing location. Kind of wet.



Stand	d Level 4 C	Cover Type		Size Density		Acres	Stand Age	BA Range	A Range Managed Si		General Comments
103	4130	- Aspen		Sapling	Sapling Well		27	Immature	N/A		Pocket that did not get planted in this stand.
	Canopy Species	% Cover	Size Class	DBH	I Age	1					
	Red Oak	15	Sapling	4							
	Quaking Aspen	70	Sapling	4	27						
	Jack Pine	10	Sapling	4	27						
	Pin Cherry	5	Sapling	3							
104	4311 - Pin	e, Aspen M	lix	Poletimb	er We	ell 5.8	37	1-50	N/A		Almost a two aged stand.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Quaking Aspen	30	Pole	6	37	R	ed Maple	Low	10 - 20 feet	Sapling	
	Red Pine	40	Pole	5	37			'			-
	Jack Pine	10	Pole	6							
	Red Maple	20	Pole	5							
105	6112 - Lo	wland Aspe	n P	oletimbe	r Medi	um 7.2	84	1-50	N/A		Very wet ground, no access. Poor quality trees and they are dying out
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	small. They wont make it to log size.
	Red Maple	30	Pole	6	84	R	ed Maple	Low	Variable	Sapling	
	Paper Birch	5	Pole	5		Ba	alsam Fir	Low	Variable	Sapling	
	Quaking Aspen	45	Pole	6	84	Т	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	5	Pole	5							-
No	orthern White Cedar	15	Pole/Log	8		Ī					