

Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54124 Entry Year 2023 Acreage: 1,705

County Presque Isle

Management Area: Kirtland's Warbler

Revision Date: 2021-03-30 Stand Examiner: Darrick Coy

Legal Description:

T33N-R2E, Sections 25-26 and T33N-R3E, Section 30

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen, pine, and other cover types to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses. This compartment is part of the Kirtland's Warbler Management Area.

Soil and topography:

Soils are primarily well to excessively drained sands. The topography is mostly flat with some minor areas of extreme slope or rolling terrain. Cover types are predominately aspen, oak, planted and natural pine, and lowland conifer. Forest habitat types are primarily dominated by PArVVb, PArVHa, and PVCd.

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

The compartment is largely surrounded by state forestland ownership except to the east. Federal land is to the north and east of the compartment which is also managed for warbler. No gas production facilities/infrastructure exist. The compartment has some recreational use by hikers, ORVs, and snowmobiles.

Unique Natural Features:

Features exist and have been reported by MNFI within this compartment. Contact Michigan Natural Features Inventory for more information or reporting.

Archeological, Historical, and Cultural Features:

No known sites exist, aside from old railroad grades. Contact the State Historical Preservation Office for more information or reporting of new sites.

Special Management Designations or Considerations:

This compartment is within the Kirtland's Warbler Management Area.

The essential habitat layer is being revised for analysis as part of the State Forest Plan revision. Previously approved 2013 plan information:

The Kirtland's Warbler Management Area (MA) consists of fifteen units of land that are managed for the federally endangered Kirtland's warbler. Kirtland's warbler management is guided by two documents: Kirtland's Warbler Breeding Range Conservation Plan and Operational Plan for Kirtland's Warbler Habitat Management on Michigan State Forests. Of the 148,017 acres of state forest land that make up the Kirtland's Warbler management area, approximately 90,000 acres, most of the jack pine in the management area, have been identified as essential habitat where management is done in accordance with the Kirtland's Warbler Conservation Plan and Operational Plan. Management on the portion that is not classified as essential habitat will emphasize balancing the age classes of aspen and red pine and regenerating the aging oak resource. Management activities may be constrained or modified based on management recommendations described in the Conservation Strategy Expected trends within this 10-year planning period are introduced pests and diseases and assuring jack pine regeneration on Kirtland's warbler sites.

(Excerpted From: Northern Lower Peninsula Regional State Forest Management Plan. 4.17 MA 17- Kirtland's Warbler Management Area, Summary of Use and Management, Pg 1. Michigan DNR. 2013.) (https://www2.dnr.state.mi.us/Publications/pdfs/ForestsLandWater/RSFMP/NLP/NLPMgmtPlanSec4.pdf)

Watershed and Fisheries Considerations:

None known or reported.

Wildlife Habitat Considerations:

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Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel pits are in the vicinity. There may be some sand & gravel potential within the compartment, but this is not a high demand area. The compartment is south of the Guelph/Niagaran reef trend, and there is no known potential for hydrocarbon production from other proven formations. There are some active State mineral leases just south of the compartment that are held by production, but they are holdover leases from old agreements. The nearest producing well is two miles to the west. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access throughout the compartment is good using existing fire break roads and other gravel county roads. View the status of state forest roads open to motorized use within the compartment online using the Michigan DNR interactive roads maps or download printable maps for free.

Survey Needs:

North E-W running lines of Section 30.

Recreational Facilities and Opportunities:

Hunting and Warbler Viewing- Throughout the compartment ORV, motorcycle, and ATV- Atlanta Route and Trail & and Red Bridge To Atlanta MCCT South Snowmobiling- Trail LP9
Hiking, Skiing, and Bicycling- High Country Pathway

Fire Protection:

Fire response to the compartment will be covered by the Onaway DNR office as well as the Case Township Fire Department.

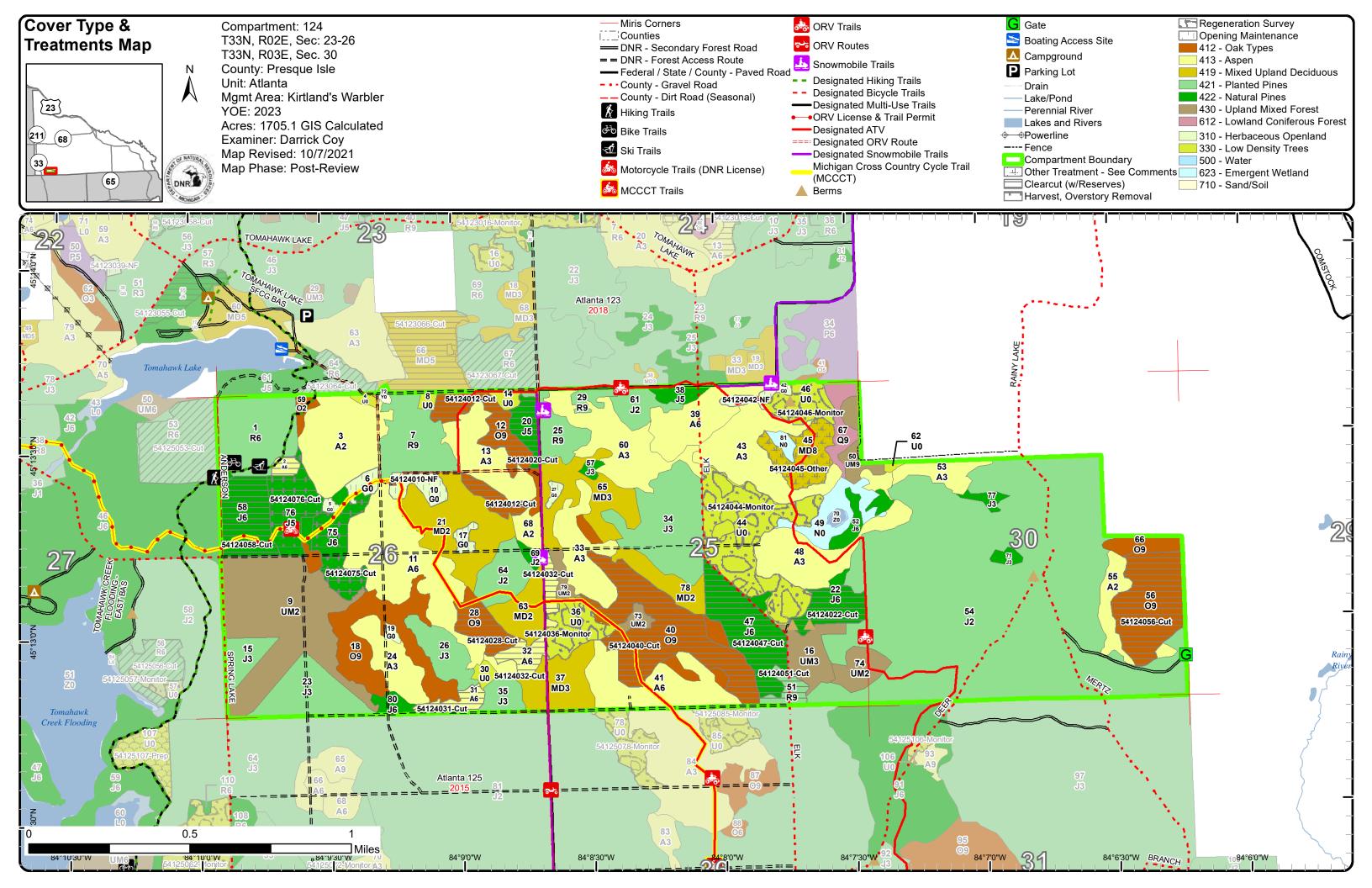
Additional Compartment Information:

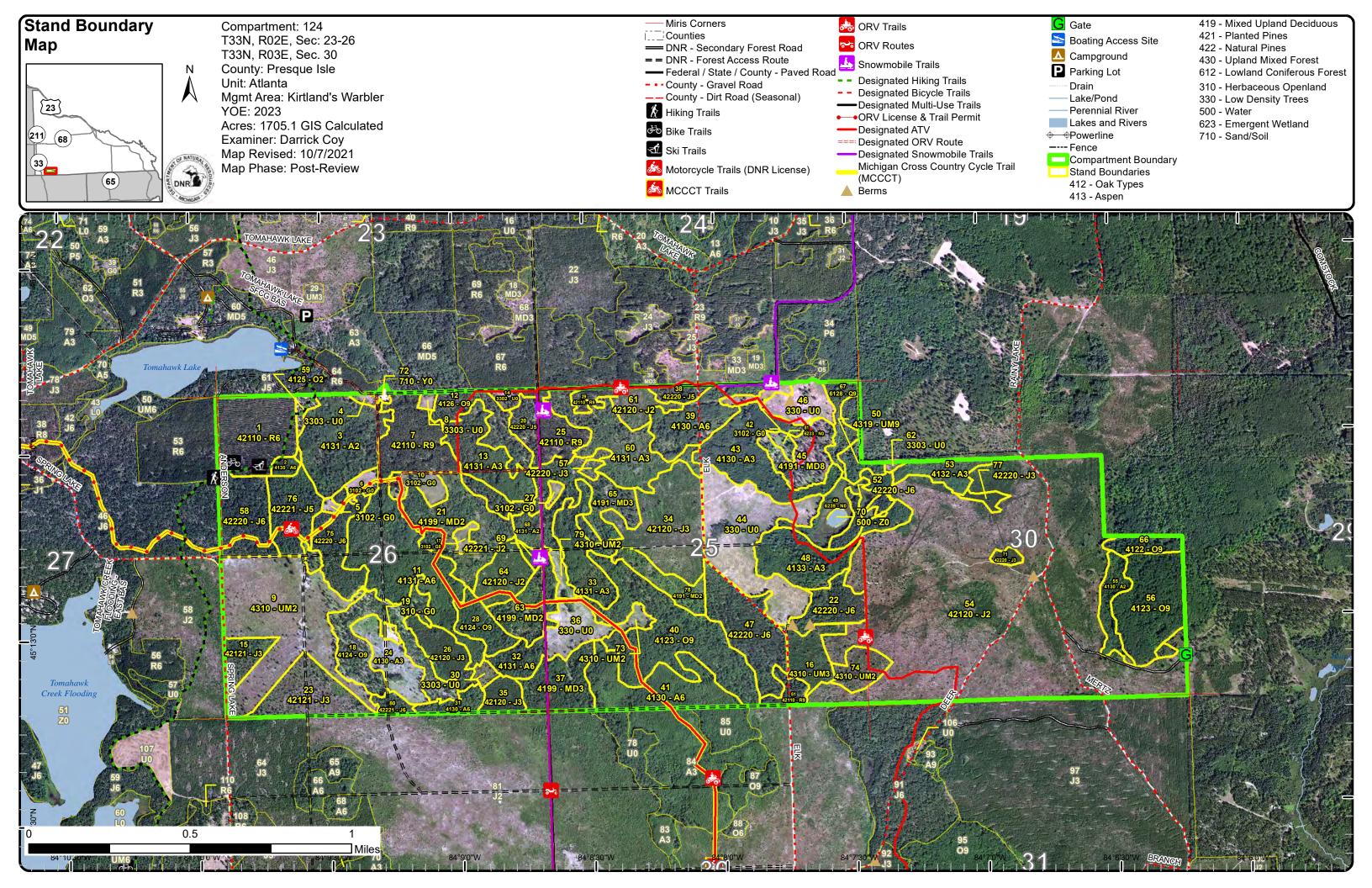
The following reports from the Inventory are attached:

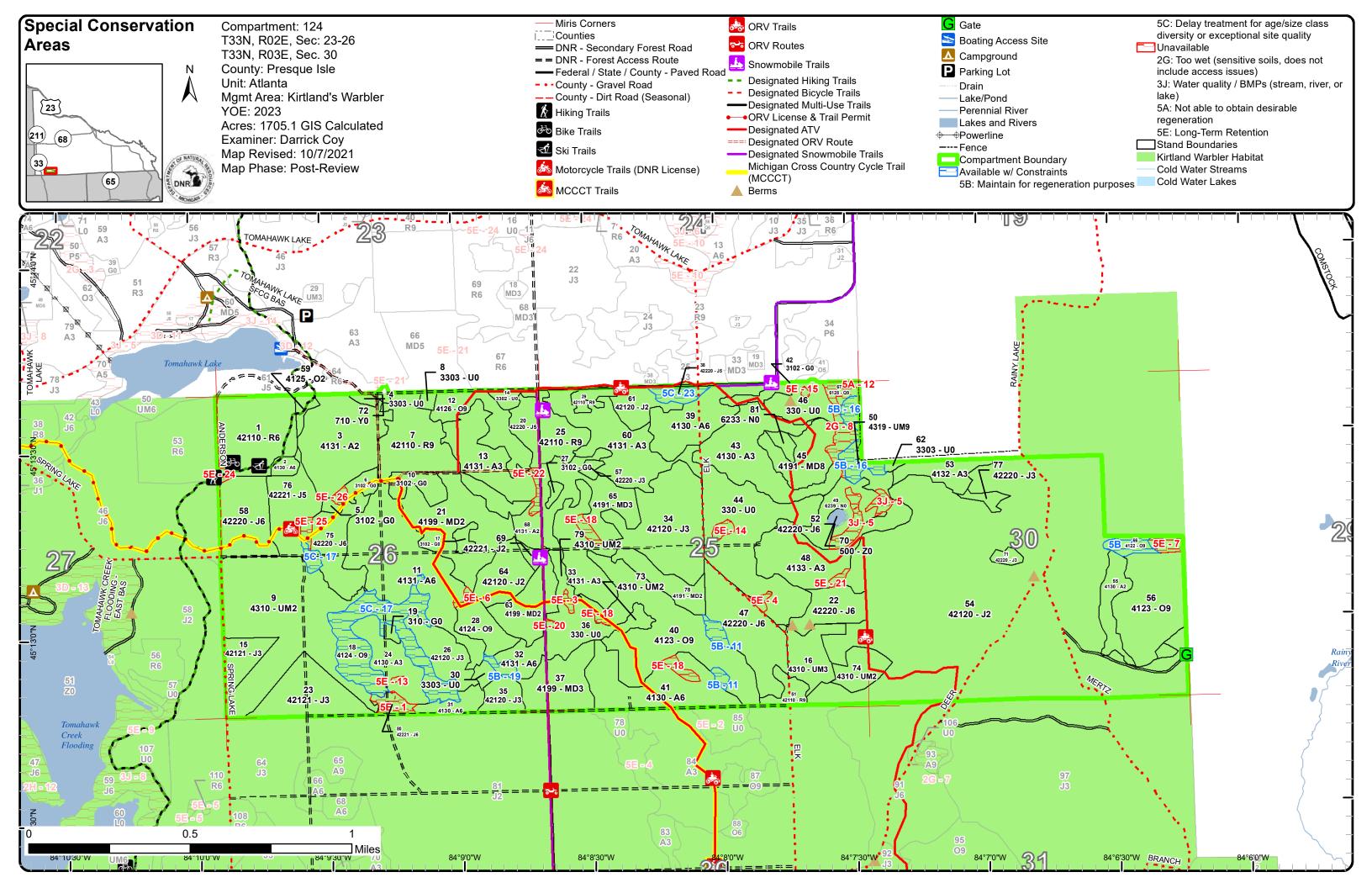
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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







Darrick Coy: Examiner

Compartment 124 Year of Entry 2023



Age Class

					/			,			/	/	/						/ /
	, ¥oc	KOS /	83 / E			3 / 8		8		R &			Z Z Z	, & / E				St Just	TO TO
Aspen	0	18	93	188	59	0	7	15	3	0	0	0	0	0	0	0	0	0	382
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	472	23	0	0	0	49	9	85	0	0	0	0	0	0	0	0	637
Low-Density Trees	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	93	22	0	0	0	0	0	0	18	0	0	0	0	0	0	0	133
Oak	0	0	3	0	0	0	0	0	0	152	38	0	0	0	0	0	0	0	193
Red Pine	0	0	0	0	0	0	35	47	0	0	6	0	0	0	0	0	0	0	88
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	87	26	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	121
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	138	105	687	233	59	0	42	111	12	246	72	0	0	0	0	0	0	0	1702



Report 2 – Treatment Summary

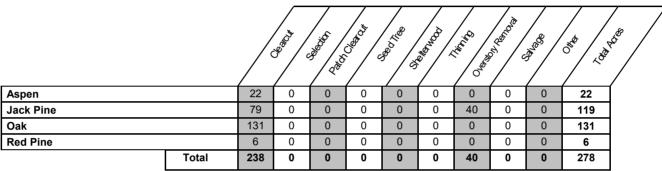
Atlanta Mgt. Unit Year of Entry: 2023

Acres of Harvest

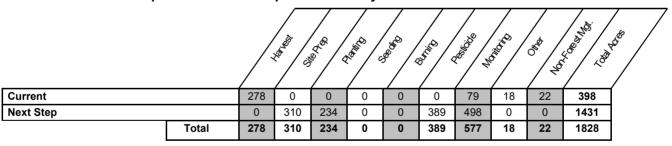
Compartment 124
Total Compartment Acres: 1,705

Commercial Harvest - 278
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 124 S Year of Entry: 2023 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d **Proposed Treatments:** 54124002-Cut 3.0 4130 - Aspen Poletimber 74 81-110 Harvest Clearcut 4130 - Aspen Even-Aged No Well Prescription -clearcut -no retention to maximize regeneration acreage Specs: -protect the High Country Pathway in timber sale specifications Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -any combination of aspen, maple, oak, pine, and fir of medium to high stocking Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 54124005-NF 1.4 3102 - Grass Nonstocked NonForestMqt Herbaceous/Crop 212 - Non-tilled Nο /Grass Planting Herbaceous Agriculture Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices. Specs: Next Step Treatments: <u>Acceptable</u> Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 6 54124006-NF 4.2 3102 - Grass Nonstocked NonForestMgt Herbaceous/Crop 310 -No /Grass Planting Herbaceous Openland Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other

Specs: agriculture practices.

Next Step **Treatments:**

Acceptable Regen: Other

Comment:

Site Condition

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 124 s Year of Entry: 2023 t а **Treatment** Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 10 54124010-NF 8.0 3102 - Grass Nonstocked NonForestMgt Herbaceous/Crop 310 -No /Grass Planting Herbaceous Openland Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 12 54124012-Cut 24.9 4126 - White, Sawtimber 86 51-80 Harvest Clearcut with 4191 - Mixed Even-Aged No Black, N. Pin Oak Well Retention Upland Deciduous with Conifer Prescription -clearcut -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-21) Specs: -protect the Atlanta Route and ATV Trail and Snowmobile Trail LP9 in timber sale specifications Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable -survey regeneration early (3 growing seasons after cut is complete) Regen: -accept any combination of oak, maple, aspen, fir, and pine of medium to high stocking -oak, aspen or oak, pine cover types are also acceptable **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 3102 - Grass 310 -54124017-NF 2.9 Nonstocked NonForestMgt Herbaceous/Crop No /Grass Planting Herbaceous Openland Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices. Specs: Next Step **Treatments:** Acceptable Regen: **Other** Comment:

Site Condition

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 124 s Year of Entry: 2023 t а **Treatment** Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 20 54124020-Cut 8.3 42220 - Natural Poletimber 51-80 Harvest Clearcut 42221 - Natural Even-Aged No Jack Pine Medium Jack Pine. Mixed Deciduous Prescription -clearcut -no retention to maximize regeneration acreage Specs: -protect the Atlanta Route and Snowmobile Trail LP9 in timber sale specifications Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -pine, maple, aspen, oak, and fir of low to high stocking Regen: -oak, pine; or mixed deciduous, pine cover type objectives are also considered acceptable Other Comment: Site Condition Proposed Start Date: 10/1 /2022 42220 - Natural Poletimber 63 51-80 42110 - Planted 22 54124022-Cut 14.0 Harvest Clearcut with Even-Aged No Jack Pine Well Retention Red Pine Prescription -clearcut -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-21) Specs: -protect the Atlanta ATV Trail in timber sale specifications -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); SitePrep, Roller Chopping; Treatments: Pesticide, Skidder - Release; Monitoring, Artificial Regen(3yr) Acceptable -fully stocked red pine with minor components of oak, aspen, cherry, fir, and maple Regen: Other Comment: Site Condition

Proposed Start Date: 10/1 /2022

27 54124027-NF 1.5 3102 - Grass Nonstocked NonForestMgt Herbaceous/Crop 310 - No Grass Planting Herbaceous Openland

<u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other <u>agriculture practices</u>.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 124 s Year of Entry: 2023 t а **Treatment** Stand Size Stand BA **Treatment Treatment** Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 28 54124028-Cut 11.2 4124 - Red with Sawtimber 83 81-110 Harvest Clearcut with 4139 - Aspen. Even-Aged No White Oak Well Retention Mixed Deciduous Prescription -clearcut -leave 3-10% in retention pocket(s) (already excluded north of trail- see site conditions layer 5E-6) Specs: -protect the Atlanta ATV and Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -aspen, maple, oak, fir, and pine of medium to high stocking Regen: -also accept cover types of oak, aspen or other mixed deciduous **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 54124031-Cut 6.8 4130 - Aspen Poletimber 51 51-80 Harvest Clearcut 4130 - Aspen Even-Aged No Well Prescription -clearcut -no retention to maximize regeneration acreage Specs: -include grouse specification with timber sale specs -follow KW timing specs for cutting and hauling Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -aspen, maple, oak, fir, and pine of medium to high stocking Regen: <u>Other</u> Comment: Site Condition Proposed Start Date: 10/1 /2022 32 54124032-Cut 12.0 4131 - Aspen, Oak Poletimber 65 81-110 Harvest Clearcut with No 4130 - Aspen Even-Aged Well Retention

Prescription -clearcut

-leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-20) Specs:

-leave area of thick advanced oak regeneration with partially occupied canopy of scattered mast oak out of treatment (already excluded- see

site conditions layer 5B-19)

-protect the Atlanta ATV, Route, Motorcycle (Red Bridge To Atlanta MCCCT South) and Snowmobile Trail LP9 in timber sale specifications

-include grouse specification with timber sale specs

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -aspen, maple, oak, fir, and pine of medium to high stocking

Regen:

Other Comment:

Site Condition

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 124 s Year of Entry: 2023 t а **Treatment** Stand Size Stand BA **Treatment Treatment** Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 40 54124040-Cut 57.0 4123 - Red Oak Sawtimber 81-110 Harvest Clearcut with 4199 - Other Even-Aged No Retention Mixed Upland Well Deciduous Prescription -clearcut -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-18) Specs: -leave all red pine and/or white pine not to exceed a cumulative residual BA of 10 -leave areas of desirable advanced oak and white pine out of treatment (already excluded- see site conditions layer 5B-11) -protect the Atlanta ATV and Motorcycle Trails (Red Bridge To Atlanta MCCCT South) in timber sale specifications Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable -survey regeneration early (3 years after harvest) Regen: -any combination of oak, cherry, aspen, maple, pine, and fir of medium to high stocking -oak, mixed deciduous cover type objective is also considered acceptable **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 54124042-NF 4.3 3102 - Grass Nonstocked NonForestMgt Herbaceous/Crop 310 -No /Grass Planting Herbaceous Openland Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other Specs: agriculture practices. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 45 54124045-18.3 4191 - Mixed Sawtimber 96 51-80 Other Other 414 - Other Uneven-No

45 54124045- 18.3 4191 - Mixed Sawtimber 96 51-80 Other Other 414 - Other Uneven- No
Other Upland Deciduous Medium Upland Aged
with Conifer Deciduous

<u>Prescription</u> -accept a low acceptable stocking level and let the overstory pine continue to regenerate the stand over time

Specs: -low stocking in the west half and medium stocking in the east half

-east half passed and ~6 acres to the west failed -protect ORV trail per REC review comment

Next Step Treatments:

Acceptable -any mix of pine and deciduous species

Regen:
Other
Comment:

Site Condition

Compartment: 124



S t	A	tlanta M	gt. Unit		Repoi	rt 3 `	Treatments		Compartmen Year of Entry		DNR
a n Treati d Nar			Stand overType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
47 54124	047-Cut 3		220 - Natural Jack Pine	Poletimbe Well	r 63	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
Prescription Specs:	-leave 3-10% -protect the	Atlanta O	RV trail in tìmbe	er sale spec	cificatio	ns	onditions layer	5E-4) le specs and follow	KW timing specs	for cutting ar	ıd haulinç
Next Step Treatments:			SitePrep, Rolle elease; Monite				idder - Site Prep	p; Planting, Initial	Plant; Monitoring	ı, Artificial Re	gen(1yr);
Acceptable Regen:	-fully stocked	d red pine	with minor cor	mponents o	f oak, a	aspen, che	erry, fir, and ma	ple			
Other Comment:											
Site Condition	<u>on</u>										
Proposed St	art Date: 10/	1 /2022									
51 54124	051-Cut		10 - Planted Red Pine	Sawtimber Well	r 93	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
Prescription Specs:	-no retention		nize plantation a educe, and/or b		ash for	planted pi	ne in timber sal	le specs and follow	KW timing specs	for cutting ar	ıd haulinç
Next Step Treatments:			SitePrep, Rolle elease; Monite				idder - Site Prep	p; Planting, Initial	Plant; Monitoring	ı, Artificial Re	gen(1yr);
Acceptable Regen:	-fully stocked	d red pine	with minor cor	mponents o	f oak, a	aspen, che	erry, fir, and ma	ple			
Other Comment:											
Site Condition	<u>on</u>										
Proposed St	art Date: 10/	1 /2022									
56 54124	056-Cut 3	7.9 412	23 - Red Oak	Sawtimbei Well	r 83	81-110	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
Prescription Specs:	-leave 3-10% -leave a clur quantity and -require low -convert to p	nps of ma spacing a stumps, r lanted red	ast oak within th	ne interior o e in north ha r breaking u rage oak es	f treatm alf of tre up slash stablish	nent to pro eatment w h nment ove	omote oak regel here crowns are r the long-term	ee site conditions la neration within futu e larger)		(consult with	TMS on
Next Step Treatments:			Pesticide, Skid Regen(3yr); Pe				nitial Plant; Mo	onitoring, Artificial I	Regen(1yr); SiteF	Prep, Roller C	hopping
Acceptable Regen:	-fully stocked	d red pine	with minor cor	mponents o	f oak, a	aspen, che	erry, fir, and ma	ple			
-	-long-term o	bjective is	s to slowly estal	blish oak re	genera	tion					
Othor											

Other Comment:

Site Condition

s t		Atlanta	a Mgt. Unit	F	Repo	rt 3 '	Treatments		Compartmen Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType		Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
58	54124058-Cut	25.0	42220 - Natural Jack Pine	Poletimber Well	82	51-80	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
Pres Spec	-prote	3-10% in r ct the Atlan		(Red Éridge	To Atl	lanta MC0	CCT South) and	High Country Path Se specs and follow			
								p, Trenching; Pes Monitoring, Artificial		ite Prep; Pla	nting,
Acce Reg	en:	, ,	tion early (2 years of jack pine, oak,		,	cherry, re	d pine, white pin	ne, and balsam fir c	of medium to high :	stocking	
	-a plar	nted jack pi	ne objective is also	o considered	accep	table					
Othe Com	e <u>r</u> nment:										
Site	Condition										
Prop	oosed Start Date	<u>e:</u> 10/1 /20)22								
75	54124075-Cut	19.6	42220 - Natural Jack Pine	Poletimber Well	82	51-80	Harvest	Overstory Removal	4122 - Oak, Pine	Even-Aged	No
Pres Spec	-leave	se the unde 3-10% in r	al erstory of oak reger etention pocket(s) damage to establis	(already excl	luded-	see site c		1			

-allow up to 50% damage to established advanced regeneration

-protect the Atlanta Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications

-require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling

-harvest late in the growing season or during winter for vigorous sprouting

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting,

Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Monitoring, Artificial Regen(

Acceptable -survey regeneration early (3 years after harvest)

Regen:

-any combination of pine, cherry, aspen, maple, oak, and fir of medium to high stocking

-pine, oak or mixed deciduous, pine cover type objectives are also considered acceptable

-planted red pine cover type objective is also considered acceptable if regeneration stocking is low

<u>Other</u>

Comment:

Site Condition

Atlanta Mgt. Unit Report 3 -- Treatments

Compartment: 124 s Year of Entry: 2023 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 76 54124076-Cut 20.5 42221 - Natural Poletimber 51-80 Harvest Overstory 4191 - Mixed Even-Aged No Jack Pine, Mixed Medium Removal Upland Deciduous Deciduous with Conifer Prescription -overstory removal -release the understory of mixed deciduous regeneration and regenerate natural pine Specs: -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer) -allow up to 50% damage to established advanced regeneration -protect the Atlanta Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling -harvest late in the growing season or during winter for vigorous sprouting Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Next Step Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Monitoring, Artificial Regen(Acceptable -survey regeneration early (3 years after harvest) Regen: -any combination of pine, cherry, aspen, maple, oak, and fir of medium to high stocking -oak, pine; or pine, oak cover type objectives are also considered acceptable -planted red pine cover type objective is also considered acceptable if regeneration stocking is low Other Comment:

Proposed Start Date: 10/1 /2022

Approved Treatments:

Site Condition

	24036- nitor	14.3 330 -	Low-Density Trees	Nonstocked	0	Monitoring	Artificial Regen(3yr)	42110 - Planted Red Pine	Even-Aged	No
Prescription Specs:	regen su	rvey year 3								
Next Step Treatments:		Initial Plant;	Pesticide, (Ina	active)Aerial						
Acceptable Regen:	planted r	ed pine								
Other Comment:	Percent t	o Treat = 100	9%							
Site Condition	<u>on</u>									
Proposed St	tart Date:	10/1 /2020								
	24044- nitor	52.4 330 -	Low-Density Trees	Nonstocked	0	Monitoring	Artificial Regen(3yr)	42110 - Planted Red Pine	Even-Aged	No
Prescription Specs:	Year 3 re	gen survey								
Next Step Treatments:		Initial Plant;	Pesticide, (Ina	active)Aerial						
Acceptable Regen:	planted r	ed pine								
Other Comment:	Percent t	o Treat = 100	9%							
Site Condition	<u>on</u>									
Proposed St	tart Date:	10/1 /2021								

S t		Atlant	a Mgt. Unit		Repo	rt 3 '	Treatments		Compartmen Year of Entry		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
46	54124046- Monitor	12.3	330 - Low-Density Trees	Nonstock	ed 0		Monitoring	Artificial Regen(3yr)	42110 - Planted Red Pine	Even-Aged	No
Next Treat Acce Rege Othe Com	Step Plantin tments: eptable planted en:	d red pine		active)Aeria	al						

Total Treatment Acreage Proposed: 397.7

Darrick Coy : Examiner

Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres	[Domina	nt Site	e Con	dition	s		
Acres	Available	With Condition	Not Available		5B	5C	2G	3J	5A	5E	ed
383	379	3	1	Aspen	3					1	
24	24	0	0	Herbaceous Openland							
638	615	5	18	Jack Pine		5		7		11	
94	91	0	3	Low-Density Trees						3	
9	0	0	9	Lowland Conifers			8		2		
18	18	0	0	Marsh							
134	134	0	0	Mixed Upland Deciduous							
193	134	47	12	Oak	9	38				12	0
88	88	0	0	Red Pine							
1	1	0	0	Sand, Soil							
121	112	9	0	Upland Mixed Forest	9					0	
1	1	0	0	Water							
1,705	1,598	64	43	Total Forested Acres	21	43	8	7	2	27	0
	94%	4%	3%	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.

Sit No	e Dominant Site . Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for s	tand 9					
2	Available	5B: Maintain for regeneration purposes	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Atlanta Mgt. Unit

Darrick Coy: Examiner

4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for s	stand 47					
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
(Comments:						
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for s	stand 28					
7	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
(Comments:						
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
10	Unspecified	Unspecified	0				
(Comments:						
11	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

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Unavailable	5A: Not able to obtain desirable regeneration	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
Available	5B: Maintain for regeneration purposes	9	5C: Delay treatment for age/size class diversity or exceptional site quality	2l: Survey needed	Unspecified	Unspecified
Comments:						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
comments: rea retention for s	tand 40					
	Unavailable Comments: Unavailable Comments: Unavailable Comments: Available Comments: Available Comments:	Unavailable 5E: Long-Term Retention Comments: Unavailable 5E: Long-Term Retention Comments: Unavailable 5E: Long-Term Retention Comments: Available 5B: Maintain for regeneration purposes Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5E: Long-Term Retention	desirable regeneration Comments: Unavailable 5E: Long-Term Retention 2 Comments: Unavailable 5E: Long-Term Retention 0 Comments: Available 5B: Maintain for regeneration purposes Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5E: Long-Term Retention 38 Comments:	desirable regeneration Unavailable 5E: Long-Term Retention 1 Unspecified Unavailable 5E: Long-Term Retention 2 Unspecified Comments: Unavailable 5E: Long-Term Retention 0 Unspecified Comments: Available 5B: Maintain for regeneration purposes 9 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5E: Long-Term Retention 5 Unspecified Comments:	Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Comments: Unavailable 5E: Long-Term Retention 2 Unspecified Unspecified Comments: Unavailable 5E: Long-Term Retention 0 Unspecified Unspecified Comments: Available 5B: Maintain for regeneration purposes 9 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Unavailable 5E: Long-Term Retention 5 Unspecified Unspecified Comments:	Unavailable SE: Long-Term Retention 1

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19	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for	stand 32					
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for	stand 47					
22	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for	stand 12					
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for	stand 58					
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for	stand 76					

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Compartment: 124
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26 Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified Unspecified

Comments:

-area retention for stand 75

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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				

Atlanta Mgt. Unit Compartment: 124





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	HCVA = High Conservation Value Area SCA = Special Conservation Area
	Designated critical Habitat	Critical habitat areas are established via a consultative and U.S. Fish and Wildlife service for the recovery of threatened 365, Endangered Species Protection, of the Natural Resource PA 451, and the Federal Endangered Species Act of 1973. Species plans in various stages of review. As of now only two Plover Habitat.	and endangered species, as governed by Part ces and Environmental Protection Act, 1994 This is an active program, with proposed



Stand	Level 4 Co	ver Type		Size De	nsity	Acres	Stand Age I	BA Range	Managed S	ite	General Comments
1	42110 - Plar	ited Red P	ine l	Poletimb	er Well	35.4	54	81-110	N/A		-1967 planting record, 36 acres, 800 tpa
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-cut 2 rows out
	Red Oak	5	Pole	8		O	ak (spp.)	Medium	5 - 10 feet	Sapling	-past treatment completed 11/05/15
	Red Pine	93	Pole	8	54						-res BA after harvest of TSale sheet says 70little low
	Jack Pine	2	Pole	7							
2	4130 -	Aspen	!	Poletimb	er Well	3.0	74	81-110	N/A		
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
В	Bigtooth Aspen	100	Pole/Log	9	74	Black/Re	ed (Hybrid) Oak	Medium	Variable	Sapling	
						Bla	ck Cherry	Medium	5 - 10 feet	Sapling	
						W	hite Oak	Low	Variable	Sapling	
3	4131 - As	spen, Oak	;	Sapling N	Medium	40.4	16	Immature	N/A		stand was species thinned in 2002 or 2005? SE corner of stand has a
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of oak residual. NW corner of stand doesn't have much regenpast treatment- clearcut
	Red Maple	5	Sapling	2		Re	ed Maple	Medium	5 - 10 feet	Sapling	-sale number- 54-015-03-01
Black	/Red (Hybrid) Oak	10	Sapling	3		Bla	ck Cherry	Medium	5 - 10 feet	Sapling	-sale map acres- 33
	Red Oak	10	Log/Pole	12	92	Black/Re	ed (Hybrid) Oak	Medium	5 - 10 feet	Sapling	-PU 1 -leave trees- adv regen only
В	Bigtooth Aspen	65	Sapling/Pole	e 3	16						-volume (cds)- 6 rm, 200 bta, 96 jp
Black	/Red (Hybrid) Oak	10	Log/Pole	11							-completion- fall 2005
4	3303 - Mixed Lo	w Density	Trees	Nonsto	ocked	1.5			No		
5	3102 -	- Grass		Nonsto	ocked	1.4			Managed Op	pening	
6	3102 -	- Grass		Nonsto	ocked	4.2			Managed Op	pening	
7	42110 - Plar	ited Red P	rine	Sawtimb	er Well	28.7	65	111-140	N/A		-1956 planting record, 21.5 acres, 700 trees per acre
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-marked thinning completed 11/19/14 -res BA after harvest was 120
	Red Pine	100	Log/Pole	12			ak (spp.)	Medium	5 - 10 feet	Sapling	
			9				(- 1-1		$^{ t t}$ -past treatment- 3rd row thinning, outside of winter cut only, snowmobi
											trail concern -sale number- 54-010-93-01
											-sale map acres- 31
											-leave trees- 2 remaining rows
											-volume (cds)-251 rp, 59 jp, 15 mhwd -completion- 9/8/93
											90, 140, 160, 140, 120, 120, 130



tand	Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age BA	A Range	Managed S	ite	General Comments
9	4310 - Pi	ne, Oak Mix	ς Sa	pling	Medium	n 79.0	5 In	nmature	N/A		-C. Zaremba regen survey previously completed
	Canopy Species	% Cover	Size Class	DBH	l Age						-was not included within FTP C54-1049 for planting to jp -past treatment- clearcut
Blac	ck/Red (Hybrid) Oak		Sapling	1	5						-leave trees- green trees
	Jack Pine	45	Sapling	1							-volume (cds)- 64 rp, 1044 jp, 73 mo, 16 aspen, 8 mhwd
	Black Cherry	3	Sapling	1							-completion- 2015
I	Bigtooth Aspen	2	Sapling	1							
10	3102	- Grass	ı	Nonst	ocked	8.0			Managed Op	ening	
11	4131 - A	Aspen, Oak	Po	oletimb	er Wel	I 56.5	27	51-80	N/A		few pockets of oak dominancepast treatment- clearcut, outside of
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	winter cut only, snowmobile trail concern-sale number- 54-005-93-01 sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- a
	Red Oak	20	Pole/Sapling	5		Red	d Maple	High	Variable	Sapling	green painted trees-volume (cds)- jp 290 jp, 14 mo, 34 bta (current
I	Bigtooth Aspen	45	Pole/Sapling	5	27	Blac	k Cherry	Medium	5 - 10 feet	Sapling	stands 26 and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (curr
	Jack Pine	10	Sapling/Pole	4		Re	ed Oak	Low	Variable	Sapling	stands 11 and 37- 69 sale acres) -completion- 1994-oak composition is greater in semi-open area to the north
	Jack Fille	10									
	Red Maple	10	Sapling/Pole	3		Black/Red	d (Hybrid) Oak	Medium	Variable	Sapling	composition is greater in serii-open area to the north
(Sapling/Pole Pole/Sapling Pole/Sapling	3 5 5		Black/Red	d (Hybrid) Oak	Medium	Variable	Sapling	composition is greater in semi-open area to the north
12	Red Maple White Oak Quaking Aspen 4126 - White, E	10 5 10 Black, N. Pi	Pole/Sapling Pole/Sapling n Oak Sa	5 5 awtimb	per Well	27.1	86	51-80	N/A		
12	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species	10 5 10 Black, N. Pi	Pole/Sapling Pole/Sapling n Oak Sa Size Class	5 5 awtimb	l Age	27.1 Sub-Ca r	86 nopy Species	51-80 Density	N/A Avg. Height	Size	-vha site, poor quality oak-semi open in canopy in places and patche
12	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak	10 5 10 Black, N. Pi % Cover 50	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole	5 5 awtimb DBH		27.1 Sub-Car	86 nopy Species d Maple	51-80 Density Low	N/A Avg. Height Variable	Size Sapling	-vha site, poor quality oak-semi open in canopy in places and patche
12 Blac	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak	10 5 10 Black, N. Pi % Cover 50 22	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole	5 5 sawtimb 11 10	l Age	27.1 Sub-Car Rec	86 nopy Species d Maple	51-80 Density Low Medium	N/A Avg. Height Variable 5 - 10 feet	Size Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche
12 Blac	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen	10 5 10 Black, N. Pi % Cover 50 22 5	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole	5 5 DBH 11 10	l Age	27.1 Sub-Car Rec Blac Servicebe	86 nopy Species d Maple ck Cherry rrry (Juneberry)	51-80 Density Low Medium Low	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche
12 Blac	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak	10 5 10 Black, N. Pi % Cover 50 22	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole	5 5 sawtimb 11 10	l Age	27.1 Sub-Car Rec Blac Servicebe	86 nopy Species d Maple	51-80 Density Low Medium	N/A Avg. Height Variable 5 - 10 feet	Size Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche
12 Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak	10 5 10 Black, N. Pi % Cover 50 22 5	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Pole Log/Pole	5 5 DBH 11 10 10 8 12	l Age	27.1 Sub-Car Rec Blac Servicebe	86 nopy Species d Maple ck Cherry rrry (Juneberry)	51-80 Density Low Medium Low	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail
12 Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak	10 5 10 Black, N. Pi % Cover 50 22 5 3 20	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Pole Log/Pole	5 5 DBH 11 10 10 8 12	86	27.1 Sub-Car Rec Blac Servicebe Black/Rec 25.0	86 nopy Species d Maple sk Cherry rry (Juneberry) d (Hybrid) Oak	51-80 Density Low Medium Low Medium	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable	Size Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen
12 Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak 4131 - A	10 5 10 Black, N. Pi % Cover 50 22 5 3 20 spen, Oak	Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	5 5 DBH 11 10 10 8 12	A Age 86	27.1 Sub-Car Rec Blacc Servicebe Black/Rec 25.0 Sub-Car	86 nopy Species d Maple ck Cherry rry (Juneberry) d (Hybrid) Oak	51-80 Density Low Medium Low Medium 1-50	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable N/A	Size Sapling Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail concern -sale number- 54-003-93-01 -sale map acres- 23 (st 13 only)
Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak 4131 - A Canopy Species	10 5 10 Black, N. Pi % Cover 50 22 5 3 20 spen, Oak	Pole/Sapling Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Log/Pole Size Class	5 5 DBH 11 10 10 8 12 Sapling	A Age 86 86 9 Well	27.1 Sub-Car Rec Blac Servicebe Black/Rec 25.0 Sub-Car Black/Rec	86 nopy Species d Maple ck Cherry rry (Juneberry) d (Hybrid) Oak 26 nopy Species	51-80 Density Low Medium Low Medium 1-50 Density	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail concern -sale number- 54-003-93-01 -sale map acres- 23 (st 13 only) -leave trees- all rp and wp
Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak 4131 - A Canopy Species ck/Red (Hybrid) Oak	10 5 10 Slack, N. Pi % Cover 50 22 5 3 20 Aspen, Oak % Cover 30	Pole/Sapling Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Log/Pole Size Class Sapling/Pole	5 5 DBH 11 10 10 8 12 Sapline DBH	Region Re	27.1 Sub-Car Rec Blac Servicebe Black/Rec 25.0 Sub-Car Black/Rec	86 nopy Species d Maple ck Cherry rry (Juneberry) d (Hybrid) Oak 26 nopy Species d (Hybrid) Oak	51-80 Density Low Medium Low Medium 1-50 Density Medium	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail concern -sale number- 54-003-93-01 -sale map acres- 23 (st 13 only) -leave trees- all rp and wp -volume (cds)- 495 bta, 3 jp, 102 mo
Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak 4131 - A Canopy Species ck/Red (Hybrid) Oak Bigtooth Aspen	10 5 10 Slack, N. Pi % Cover 50 22 5 3 20 Spen, Oak % Cover 30 50	Pole/Sapling Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Pole Log/Pole Size Class Sapling/Pole Sapling/Pole	5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Region Re	Sub-Car Rec Black/Rec 25.0 Sub-Car Black/Rec	86 nopy Species d Maple sk Cherry erry (Juneberry) d (Hybrid) Oak 26 nopy Species d (Hybrid) Oak d Maple	51-80 Density Low Medium Low Medium 1-50 Density Medium Medium	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail concern -sale number- 54-003-93-01 -sale map acres- 23 (st 13 only) -leave trees- all rp and wp
Black	Red Maple White Oak Quaking Aspen 4126 - White, E Canopy Species ck/Red (Hybrid) Oak White Oak Bigtooth Aspen Jack Pine Red Oak 4131 - A Canopy Species ck/Red (Hybrid) Oak Bigtooth Aspen Red Pine	10 5 10 Slack, N. Pi	Pole/Sapling Pole/Sapling Pole/Sapling n Oak Sa Size Class Log/Pole Log/Pole Log/Pole Pole Log/Pole Size Class Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole	5 5 DBH 11 10 10 8 12 Sapling 4 4 4	Region Re	Sub-Car Rec Black/Rec 25.0 Sub-Car Black/Rec	86 nopy Species d Maple ck Cherry erry (Juneberry) d (Hybrid) Oak 26 nopy Species d (Hybrid) Oak d Maple ck Cherry	51-80 Density Low Medium Low Medium 1-50 Density Medium Medium Medium Medium Medium	N/A Avg. Height Variable 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling	-vha site, poor quality oak-semi open in canopy in places and patche of no adv regen -past treatment- clearcut, outside of winter cut only, snowmobile trail concern -sale number- 54-003-93-01 -sale map acres- 23 (st 13 only) -leave trees- all rp and wp -volume (cds)- 495 bta, 3 jp, 102 mo -completion- fall 1994-oak more concentrated in n half where canopy



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
15	42121 - Planted Deci	Jack Pine, duous	Mixed	Saplin	g Well	10.3	18	1-50	N/A		stand has a lot of jack pine and oak residualpast treatment- clearcut
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-sale number- 54-015-03-01 -sale map acres- 10
Blac	k/Red (Hybrid) Oak	30	Sapling/Pole	e 3	18	Blac	ck Cherry	Medium	5 - 10 feet	Sapling	-PU 2
	Jack Pine	70	Sapling/Pole	e 3	18						-leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 140 jp -completion- fall 2005
16	4310 - Pir	ne, Oak Mix	K	Saplin	g Well	15.3	15	Immature	N/A		-this area appears to be all natural regenplantation of jack pine.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pockets of natural regen, up to 6ft tall. scattered mature jack pinepast treatment- clearcut-sale number- 54-015-03-01-sale map acres- 404-
	Jack Pine	55	Sapling	2	15	Blac	ck Cherry	Medium	5 - 10 feet	Sapling	leave trees- all oak and 3-5 pole sized trees per acre-volume (cds)- 73
Blac	k/Red (Hybrid) Oak	20	Sapling	2							aspen, 125 rp, 3,655 jp, 52 mo-completion- winter 2004-2005-
(Quaking Aspen	25	Sapling	2							natural regeneration
17	3102 4124 - Red v	- Grass	Ook	Nonsto		2.9 I 38.4	97	81-110	Managed Op	pening	-cut all aspen and orange trees in 2015
18											past treatment- thinning to 80 BA
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size	-leave trees- 90 BA
	Red Maple Red Oak	55	Log/Pole	10	97		ed Maple hite Pine	High	< 5 feet Variable	Sapling	-volume (cds)- 50 mhwd, 120 mo, 123 aspen, 21 jp -completion- 2015
	White Oak	30	Log/Pole Log/Pole	12	91		led Oak	Low	< 5 feet	Sapling Sapling	Sompletion 2010
	White Pine	4	Log/XLog	15			ck Cherry	Medium	< 5 feet	Sapling	-cored 82, 96
	Red Pine	4	Log/XLog	15		Dia	CK Officity	McGlaili	101001	Caping	hybrid blk/red to ne portion of stand, vha/vvb there heavy browse on all regen
Blac	k/Red (Hybrid) Oak	6	Log/Pole	12							,
19	310 - Herbac	eous Open		Nonst	ocked	1.3		Immature	No		-old stand notes say this was a niagran gas pad in 70's -recent landing site, slash scattered in opening
20	42220 - Nati	ural Jack P	ine Po	oletimbe	r Mediu	ım 8.3	84	51-80	N/A		vha
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Blac	k/Red (Hybrid) Oak	5	Pole/Log	9			d (Hybrid) Oak		Variable	Sapling	
	Jack Pine	95	Pole/Log	9	84		ck Cherry	Medium	5 - 10 feet	Sapling	
						Re	ed Maple	Low	Variable	Sapling	



Stand	d Level 4 Co	over Type	;	Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
21	4199 - Other Mixed	d Upland D	eciduous S	apling l	Medium	37.8	16	1-50	N/A		portion of stand burned before it was harvested.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	-past treatment- clearcut -sale number- 54-015-03-01
	Red Oak	10	Sapling	1		Blac	k Cherry	Medium	5 - 10 feet	Sapling	-sale map acres- 68
	Jack Pine	15	Sapling	3							-PU 4 -leave trees- adv regen only
	Red Maple	15	Sapling	2							-volume (cds)- 1066 jp, 50 bta, 6 rm
	Quaking Aspen	20	Sapling	2							-completion- fall 2005
Bla	nck/Red (Hybrid) Oak	30	Sapling/Pole	3	16						ETD OF 4 707 through and about the facilities (support stands O4 OF O0
	White Oak	10	Sapling/Pole	3							FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21)
											acres planted- 97 completion date- 5/2007
22	42220 - Natu				er Well	15.3	63	51-80	N/A		-east half is 10-15 years younger (50-55 years), considered as an niclusion, ages were averaged
	Canopy Species		Size Class		I Age		nopy Species	Density	Avg. Height	Size	, 3
	Red Oak	2	Log/Pole	12	L	Black/Red	d (Hybrid) Oak	Medium	Variable	Sapling	
	Quaking Aspen	10	Pole	7							
	Red Pine	5	Log	13							
	Jack Pine	83	Pole	7	63						
23	42121 - Planted		Mixed	Sapling	ı Well	26.3	18	1-50	N/A		stand has a lot of jack pine and oak residual.
	Deci	duous		- up	,	20.0	10	1-50	IV/A		-past treatment- clearcut
	Canopy Species		Size Class		l Age		nopy Species	Density	Avg. Height	Size	-past treatment- clearcut sale number- 54-015-03-01
Bla				DBH		Sub-Car				Size Sapling	-past treatment- clearcut
Bla	Canopy Species	% Cover	Size Class	DB I 3	l Age	Sub-Car	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights
Bla	Canopy Species	% Cover	Size Class Sapling/Pole	DB I 3	1 Age	Sub-Car	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3
Bla 24	Canopy Species ack/Red (Hybrid) Oak Jack Pine	% Cover	Size Class Sapling/Pole	DB I 3	1 Age 18 18	Sub-Car	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees-
	Canopy Species ack/Red (Hybrid) Oak Jack Pine	% Cover 30 70 - Aspen	Size Class Sapling/Pole	DBH 3 3 Sapling	1 Age 18 18	Sub-Car Blac	nopy Species	Density Medium	Avg. Height 5 - 10 feet		-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd-
	Canopy Species ack/Red (Hybrid) Oak Jack Pine	% Cover 30 70 - Aspen	Size Class Sapling/Pole Sapling/Pole	DBH 3 3 Sapling	1 Age 18 18 18	Sub-Car Blace 17.6 Sub-Car	nopy Species k Cherry	Density Medium	Avg. Height 5 - 10 feet N/A	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees-
	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species	% Cover 30 70 - Aspen % Cover	Size Class Sapling/Pole Sapling/Pole	DBH 3 3 Sapline	1 Age 18 18 18 Well	Sub-Car Blace 17.6 Sub-Car	nopy Species ck Cherry 5 I	Density Medium mmature Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak
	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Bigtooth Aspen	% Cover	Size Class Sapling/Pole Sapling/Pole Size Class Sapling	DBH 3 3 Sapling DBH 1	1 Age 18 18 18 Well	Sub-Car Blace 17.6 Sub-Car	nopy Species ck Cherry 5 I	Density Medium mmature Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak
	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Bigtooth Aspen Red Maple	% Cover	Size Class Sapling/Pole Sapling/Pole Size Class Sapling Sapling	3 3	1 Age 18 18 18 Well	Sub-Car Blace 17.6 Sub-Car	nopy Species ck Cherry 5 I	Density Medium mmature Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak
	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Bigtooth Aspen Red Maple Red Oak	**Cover 30 70 70 - Aspen 80 5 5 10	Size Class Sapling/Pole Sapling/Pole Size Class Sapling Sapling Log Sapling	3 3 3	y Well Age Well Age 5	Sub-Car Blace 17.6 Sub-Car	nopy Species ck Cherry 5 Inopy Species ck Cherry	Density Medium mmature Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak now and more in future
24	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Bigtooth Aspen Red Maple Red Oak Red Oak	30 70	Size Class Sapling/Pole Sapling/Pole Size Class Sapling Sapling Log Sapling	3 3 3	1 Age 18 18 18 18 18 18 18 18 18 18 18 18 18	Sub-Car Blace 17.6 Sub-Car Blace	nopy Species ck Cherry 5 Inopy Species ck Cherry	Medium mmature Density Medium	Avg. Height 5 - 10 feet N/A Avg. Height < 5 feet	Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak now and more in future -1958 planting record, 20 acres, 650 trees/acre -was 3rd row thinned
24	Canopy Species ack/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Bigtooth Aspen Red Maple Red Oak Red Oak 42110 - Plar	30 70	Size Class Sapling/Pole Sapling/Pole Size Class Sapling Sapling Log Sapling Sapling	3 3 3	y Well Age 5 Ger Well Age 18 Age 18 Age 19	Sub-Car Blace 17.6 Sub-Car Blace 14.0 Sub-Car	5 Inopy Species ck Cherry 5 Anopy Species ck Cherry	Density Medium mmature Density Medium 111-140	Avg. Height 5 - 10 feet N/A Avg. Height < 5 feet	Sapling Size Sapling	-past treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 26 -PU 3 -leave trees- clumps of 5 dominant jp every 2 tree heights -volume (cds)- 269 jp -completion- fall 2005 -past treatment- clearcut-sale number- 54-021-03-01-leave trees- green marked trees-volume (cds)- 311 mo, 208 aspen, 28 mhwd- completion- 2015-heavy browse on oak, aspen is overtopping oak now and more in future

Report 7 - Stands



Stand	d Level 4 Co	over Type	S	ize D	ensity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
26	42120 - Plar	nted Jack F	Pine	Saplin	g Well	15.2	26	51-80	N/A		-past treatment- clearcut, outside of winter cut only, snowmobile trail
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume
	Red Oak	5	Sapling	2		Blad	ck Cherry	Medium	< 5 feet	Sapling	(cds)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale
	Jack Pine	90	Sapling/Pole	4	26	Oa	ak (spp.)	Medium	5 - 10 feet	Sapling	acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994-FTP- C64-640- trenching and planting to
	Quaking Aspen	5	Sapling/Pole	4							jack pine (current stands 26 and 35)-acres- 22-conditions- unknown-completion date- 06/1995
27	3102	- Grass		Nonst	ocked	1.5			Managed O	pening	
28	4124 - Red v	with White	Oak Sa	awtimb	er We	II 12.4	83	81-110	N/A		dry site. north part of stand burned around 2007.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	7		Re	d Maple	Low	>20 feet	Sapling	
	Red Oak	40	Log/Pole	13	83	Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	White Oak	25	Log/Pole	11							
	Bigtooth Aspen	25	Log/Pole	11							
Bla	ck/Red (Hybrid) Oak	5	Log/Pole	11							
29	42110 - Plar	nted Red P	Pine Sa	awtimb	er We	II 4.3	63	81-110	N/A		-1958 planting record, 20 acres, 650 trees/acre
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-was sid row trifffled -past treatment completed 12/08/14
	Red Pine	90	Log/Pole	12	63		d (Hybrid) Oak	Medium	5 - 10 feet	Sapling	-res BA after harvest is 82 off TSale
	Jack Pine	10	Pole/Log	8		Blad	ck Cherry	Medium	5 - 10 feet	Sapling	
						Re	d Maple	Medium	5 - 10 feet	Sapling	
30	3303 - Mixed Lo	ow Density	Trees	Nonst	ocked	2.7			No		cherry brush, jp saps, and outside edge of stand has oak regen
31	4130	- Aspen	Po		er We	II 6.8	51	51-80	N/A		
	Canopy Species	% Cover	Size Class		H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Oak	5	Log	12			d Maple	Medium	Variable	Sapling	
	White Oak	5	Log	12		Servicebe	erry (Juneberry)	Medium	5 - 10 feet	Sapling	
	Quaking Aspen	45	Pole/Log	8	51	Blac	ck Cherry	Medium	5 - 10 feet	Sapling	
	Red Maple	5	Pole/Sapling	6							
	Bigtooth Aspen	40	Pole/Log	8							



Stand	Level 4 Co	over Type	;	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
32	4131 - A	spen, Oak	F	Poletimb	er Well	I 15.3	65	81-110	N/A		look at harvesting in 10 years
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Blac	k/Red (Hybrid) Oak	20	Log/Pole	11	83	Re	ed Maple	Medium	Variable	Sapling	
1	Bigtooth Aspen	49	Pole/Log	9	65	W	hite Oak	Low	Variable	Sapling	
	Jack Pine	5	Pole	8		Bla	ck Cherry	Medium	5 - 10 feet	Sapling	
	Red Oak	5	Log/Pole	12		Black/Re	ed (Hybrid) Oak	Medium	Variable	Sapling	
(Quaking Aspen	16	Pole/Log	8							-
	White Oak	5	Log/Pole	12							
33	4131 - A	spen, Oak		Sapling	y Well	23.4	27	1-50	N/A		south part of stand is a mix of oak and jack pine.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	past treatment- clearcut, outside of winter cut only, snowmobile trail
	lorthern Pin Oak	30	Sapling/Pole				ed Maple	Medium	5 - 10 feet	Sapling	-sale number- 54-003-93-01
I	Bigtooth Aspen	40	Sapling/Pole	4	27	Bla	ck Cherry	Medium	5 - 10 feet	Sapling	-sale map acres- 20 (st 33 only)
	Jack Pine	5	Sapling/Pole	4		W	hite Oak	Medium	5 - 10 feet	Sapling	-leave trees- all rp and wp -volume (cds)- 357 bta, 10 jp, 88 mo
	White Oak	5	Sapling/Pole	4		North	ern Pin Oak	Medium	5 - 10 feet	Sapling	-completion- fall 1994-most overstory oak is in south half where
	Red Maple	10	Sapling/Pole	3							canopy is more open
(Quaking Aspen	10	Sapling/Pole	4							
34	42120 - Plar	ited Jack F	ine	Sapling	y Well	43.6	14	Immature	N/A		stand has a lot of oak regen in west side. will probably be able to type
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	out second stand next entry. -past treatment- clearcut
Blac	k/Red (Hybrid) Oak	2	Log	11		Bla	ck Cherry	Medium	5 - 10 feet	Sapling	-sale number- 54-030-03-01
Blac	k/Red (Hybrid) Oak	3	Sapling	2	15	Black/Re	ed (Hybrid) Oak	Medium	Variable	Sapling	-sale map acres- 134
(Quaking Aspen	5	Sapling	2	15						PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only
	Red Pine	1	Log	13							-volume (cds)- 1,991 jp, 120 bta
	Jack Pine	89	Sapling	2	14						-completion- spring 2006
											FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 64, and 21- it appears that only stand 34 was planted or successful) acres planted- 97 completion date- 5/2007
											-heavy browse on subcanopy oak
35	42120 - Plar			Sapling		8.0	26	51-80	N/A		-past treatment- clearcut, outside of winter cut only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size	stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume
	k/Red (Hybrid) Oak	10	Sapling/Pole				ck Cherry	Low	5 - 10 feet	Sapling	(cds)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale
(Quaking Aspen	2	Sapling/Pole				ak (spp.)	Low	Variable	Sapling	acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994-FTP- C64-640- trenching and planting to
	Jack Pine	88	Sapling/Pole	3	26	Re	ed Maple	Low	Variable	Sapling	jack pine (current stands 26 and 35)-acres- 22-conditions- unknown-
											completion date- 06/1995

Report 7 - Stands



Stand	Level 4 Co	over Type		Size De		Acres	Stand Age B	A Kange	Managed S	ite	General Comments
36	330 - Low-D	ensity Tre	es	Nonsto	cked	15.4	0		4211 - Planted	Red Pine	FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac
						Sub-Ca	nopy Species	Density	Avg. Height	Size	with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red
						Re	ed Pine	High	< 5 feet	Sapling	pine 500 TPA. Replanted in 2019. Year 1 replant survey 10/4/19 looks
						Ja	ck Pine	Medium	< 5 feet	Sapling	great; did walkthrough. Seedlings are tall and healthy with good buds.
						Blac	ck Cherry	Low	< 5 feet	Sapling	Wet area to the west. Lots of natural jack pine regen. 90% FTG 900 TPA of RP 3.5 ft tall RP
						Re	d Maple	Trace	< 5 feet	Sapling	or it of the order
						Re	ed Oak	Trace	< 5 feet	Sapling	
37	4199 - Other Mixed	d Upland D	eciduous	Sapling	Well	22.4	27	1-50	N/A		scattered mature oakpast treatment- clearcut, outside of winter cut
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green
	Red Maple	15	Sapling	2		Black/Red	d (Hybrid) Oak	Medium	Variable	Sapling	painted trees-volume (cds)- jp 290 jp, 14 mo, 34 bta (current stands 26
	Red Oak	10	Sapling/Pole	3		Re	ed Oak	Low	Variable	Sapling	and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (current stands 11
	White Oak	10	Sapling/Pole	3		Re	d Maple	Medium	Variable	Sapling	and 37- 69 sale acres) -completion- 1994
Q	Quaking Aspen	25	Sapling/Pole	3		Wh	nite Oak	Low	Variable	Sapling	
	Jack Pine	5	Sapling/Pole	3		Blac	ck Cherry	Medium	5 - 10 feet	Sapling	
·	k/Red (Hybrid) Oak	30	Caplina	3				'			_
Black	Mitted (Hybrid) Oak	30	Sapling	3	27						
	k/Red (Hybrid) Oak	5	Log	12	27						
	, ,	5 ural Jack P	Log ine Pol	12 etimber	Mediu		73	81-110	N/A		
Black 38	k/Red (Hybrid) Oak	5	Log ine Pol	12	Mediu		73	81-110 Density	N/A Avg. Height	Size	
Black	42220 - Natu Canopy Species k/Red (Hybrid) Oak	5 ural Jack P % Cover	Log ine Pol	etimber DBH	Mediu Age	Sub-Ca	nopy Species ck Pine		Avg. Height 5 - 10 feet	Size Sapling	
Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species	5 ural Jack P % Cover	Log ine Pol Size Class	12 etimber DBH	Mediu	Sub-Ca	nopy Species	Density	Avg. Height		
Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine	5 ural Jack P % Cover	Log ine Pol Size Class Log/Pole Pole/Log	etimber DBH	Mediu Age	Sub-Car Ja Black/Rec	nopy Species ck Pine	Density Low	Avg. Height 5 - 10 feet	Sapling	-past treatment- clearcut
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine	5 ural Jack P % Cover 10 90	Log ine Pol Size Class Log/Pole Pole/Log	etimber DBH 11 9	Mediu Age 73 er Well	Sub-Car Ja Black/Red 24.8	nopy Species ck Pine d (Hybrid) Oak	Low Medium	Avg. Height 5 - 10 feet Variable	Sapling	-sale number- 54-036-83-01
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 -	5 vural Jack P Cover 10 90 v. Aspen	Log ine Pol Size Class Log/Pole Pole/Log	etimber DBH 11 9 oletimbe	Mediu Age 73 er Well	Sub-Cai Ja Black/Red 24.8 Sub-Cai	nopy Species ck Pine d (Hybrid) Oak	Low Medium 51-80	Avg. Height 5 - 10 feet Variable N/A	Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species	5 vural Jack P Cover 10 90 Aspen Cover	ine Pol Size Class Log/Pole Pole/Log P Size Class	etimber DBH 11 9 oletimber	Mediu Age 73 er Well	Sub-Cai Ja Black/Red 24.8 Sub-Cai	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species	Density Low Medium 51-80 Density	Avg. Height 5 - 10 feet Variable N/A Avg. Height	Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak	5 wral Jack P % Cover 10 90 - Aspen % Cover 10	ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling	etimber DBH 11 9 oletimber DBH 5	Mediu Age 73 er Well Age	Sub-Cai Ja Black/Red 24.8 Sub-Cai	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple	Density Low Medium 51-80 Density High	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Size Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen	5 ural Jack P % Cover 10 90 - Aspen % Cover 10 55	Log ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling	etimber DBH 11 9 oletimber DBH 5 5	Mediu Age 73 er Well Age	Sub-Cai Ja Black/Red 24.8 Sub-Cai	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple	Density Low Medium 51-80 Density High	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Size Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp
38 G Black	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine	5 ural Jack P Cover 10 90 Aspen Cover 10 55 30	Log ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	12 etimber DBH 11 9 oletimber DBH 5 5 5 5 5	Mediu Age 73 er Well Age 37	Sub-Car Ja Black/Red 24.8 Sub-Car Re Blac	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple	Density Low Medium 51-80 Density High	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Size Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted
38 (C) Black 39 (C) B	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine	5 ural Jack P % Cover 10 90 - Aspen % Cover 10 55 30 5	ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	etimber DBH 11 9 oletimbe DBH 5 5 5 5 awtimbe	Mediu Age 73 er Well Age 37	Sub-Car Black/Red 24.8 Sub-Car Re Blac	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry	Low Medium 51-80 Density High Medium	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Size Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets
38 (C) Black 39 (C) B	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine 4123 - I	5 ural Jack P % Cover 10 90 - Aspen % Cover 10 55 30 5	Log ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	etimber DBH 11 9 oletimbe DBH 5 5 5 5 awtimbe	Mediu Age 73 er Well Age 37	Sub-Car Black/Rec 24.8 Sub-Car Re Blac 66.3 Sub-Car	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry	Density Low Medium 51-80 Density High Medium 81-110	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Size Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets -sale number- 54-012-03-01 -sale map acres- 86
38 (C) Black 39 (C) B	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine 4123 - Canopy Species	5 ural Jack P % Cover	ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Size Class	etimber DBH 11 9 oletimbe DBH 5 5 5 5 awtimbe DBH	Mediu Age 73 er Well Age 37	Sub-Can Black/Rec 24.8 Sub-Can Re Blac 66.3 Sub-Can	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry 88 nopy Species	Density Low Medium 51-80 Density High Medium 81-110 Density	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height	Sapling Sapling Size Sapling Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets -sale number- 54-012-03-01 -sale map acres- 86 -PU 2 and 3
38 (C) Black 39 (C) B	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine 4123 - I Canopy Species Red Oak	5 ural Jack P % Cover	Log ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Size Class Log/Pole	etimber DBH 11 9 oletimbe DBH 5 5 5 5 DBH awtimbe DBH 13	Mediu Age 73 er Well Age 37	Sub-Cai Black/Rec 24.8 Sub-Cai Re Blac 66.3 Sub-Cai Re Bigto	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry 88 nopy Species d Maple	Density Low Medium 51-80 Density High Medium 81-110 Density Medium	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets -sale number- 54-012-03-01 -sale map acres- 86 -PU 2 and 3 -leave trees- 80 BA
38	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine 4123 - Canopy Species Red Oak White Oak	5 ural Jack P % Cover 10 90 - Aspen % Cover 10 55 30 5 Red Oak % Cover 55 19	Log ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Log/Pole Log/Pole	12 etimber DBH 11 9 oletimber 5 5 5 5 5 awtimber 13 11	Mediu Age 73 er Well Age 37	Sub-Car Black/Rec 24.8 Sub-Car Re Blacc 66.3 Sub-Car Re Bigto Blacc	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry 88 nopy Species d Maple oth Aspen	Density Low Medium 51-80 Density High Medium 81-110 Density Medium Low	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height 10 - 20 feet	Sapling Sapling Size Sapling Sapling Size Sapling Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets -sale number- 54-012-03-01 -sale map acres- 86 -PU 2 and 3
38 (G) Black 39 (G) B	k/Red (Hybrid) Oak 42220 - Natu Canopy Species k/Red (Hybrid) Oak Jack Pine 4130 - Canopy Species Red Oak Quaking Aspen Bigtooth Aspen Jack Pine 4123 - I Canopy Species Red Oak White Oak Red Pine	5 ural Jack P % Cover	ine Pol Size Class Log/Pole Pole/Log P Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Log/Pole Log/Pole Log/XLog	etimber DBH 11 9 oletimbe DBH 5 5 5 awtimbe DBH 13 11 16	Mediu Age 73 er Well Age 37	Sub-Car Black/Rec 24.8 Sub-Car Re Blacc 66.3 Sub-Car Re Bigto Blacc	nopy Species ck Pine d (Hybrid) Oak 37 nopy Species d Maple ck Cherry 88 nopy Species d Maple oth Aspen ck Cherry	Density Low Medium 51-80 Density High Medium 81-110 Density Medium Low Medium	Avg. Height 5 - 10 feet Variable N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Sapling Size Sapling Sapling Size Sapling Sapling Sapling Sapling	-sale number- 54-036-83-01 -sale map acres- 20 -leave trees- none -volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp -completion- 1/26/84 -past treatment- thinning, cut all marked trees and all aspen in painted pockets -sale number- 54-012-03-01 -sale map acres- 86 -PU 2 and 3 -leave trees- 80 BA -volume (cds)-



Stan	d Level 4 C	over Type	S	ize Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
41	4130	- Aspen	Po	oletimber Wel	I 34.5	37	81-110	N/A		-past treatment- clearcut-sale number- 54-037-83-01-sale map acres-
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	27 -leave trees- none-volume (cds)- 313 aspen, 240 ro, 51 wo, 3 rm-completion- 10/4/84-vvb site on east 2/3rds and vhavvb on west 1/3rd
	Red Maple	15	Pole/Sapling	5 37	Re	ed Maple	High	10 - 20 feet	Sapling	where more white oak and overstory oak are found
	Red Oak	15	Pole/Sapling	6 37	Wi	tch Hazel	Medium	5 - 10 feet	Tall Shrub	
	White Oak	2	Pole/Sapling	6 37	W	hite Oak	Medium	5 - 10 feet	Sapling	
	Bigtooth Aspen	68	Pole/Sapling	6 37						
42	3102	? - Grass		Nonstocked	4.3			Managed O	pening	
43	4130	- Aspen	;	Sapling Well	36.6	27	51-80	N/A		few pockets of tag alder and low ground.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-past treatment- clearcut, winter cut only -sale number- 54-003-93-01
	Red Maple	17	Sapling/Pole	3	Re	ed Maple	High	Variable	Sapling	-sale map acres- 63 (current stands 43 and 48
	Quaking Aspen	10	Sapling/Pole	4	Bla	ck Cherry	Medium	5 - 10 feet	Sapling	leave trees- all rp and wp -volume (cds)- 1286 aspen, 35 jp, 257 mhwd
	Bigtooth Aspen	70	Sapling/Pole	4 27						volume (cds)- 1266 aspen, 35 jp, 257 mmwd -completion- spring 1994
	Red Pine	3	Log/XLog	16						
44	330 - Low-	Density Tre	es	Nonstocked	55.5	0		4211 - Planted	Red Pine	Cut in 2015
44	330 - Low-	Density Tre	es	Nonstocked		0 Inopy Species	Density	4211 - Planted Avg. Height	Red Pine Size	FTP C54-1049
44	330 - Low-	Density Tre	es	Nonstocked	Sub-Ca		Density High			
44	330 - Low-	Density Tre	es	Nonstocked	Sub-Ca	nopy Species		Avg. Height	Size	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac
44	330 - Low-	Density Tre	es	Nonstocked	Sub-Ca	nopy Species led Pine	High	Avg. Height < 5 feet	Size Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17
44	330 - Low-	Density Tre	es	Nonstocked	Sub-Ca R Ja Bla	anopy Species led Pine ack Pine	High Trace	Avg. Height < 5 feet < 5 feet	Size Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac
44	330 - Low-	Density Tre	es	Nonstocked	Sub-Ca R Ja Bla	red Pine ack Pine ck Cherry	High Trace Trace	Avg. Height < 5 feet < 5 feet < 5 feet	Size Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough.
45	4191 - Mixed Upl			Nonstocked	Sub-Ca R Ja Bla Re	ed Pine ack Pine ck Cherry ed Maple	High Trace Trace Trace	Avg. Height < 5 feet	Size Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak
	4191 - Mixed Upl	and Decidu			Sub-Ca R Ja Bla Re R Im 18.3	ence Pine ack Pine ack Cherry ad Maple Red Oak	High Trace Trace Trace Trace Trace	Avg. Height < 5 feet	Size Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and mapleselection cut- cut all aspen and orange trees-leave trees-
	4191 - Mixed Upl Co	and Decidu	ous with Saw	vtimber Mediu	Sub-Ca R Ja Bla Re R Im 18.3	ence Pine ack Pine ack Cherry ed Maple Red Oak	High Trace Trace Trace Trace Trace Trace	Avg. Height < 5 feet N/A	Size Sapling Sapling Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak
	4191 - Mixed Upl Co Canopy Species	and Decidu onifer % Cover	ous with Saw	vtimber Mediu DBH Age	Sub-Ca R Ji Bla Re R Im 18.3	encopy Species Red Pine Red Cherry Red Maple Red Oak Red Oak Red Species	High Trace Trace Trace Trace Trace Trace Trace	Avg. Height < 5 feet N/A Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and mapleselection cut- cut all aspen and orange trees-leave trees- 100 BA (inventory BA is closer to 50)-volume (cds)- 180 mhwd, 76 bsw, 14 rp, 68 mo, 22 aspen-completion- 2015-past treatment- thinning- cut all aspen, birch, fir, cedar, pine, maple, and bsw marked with yellow
	4191 - Mixed Upl Co Canopy Species Sugar Maple	and Decidu onifer % Cover 23	ous with Saw Size Class Log/Pole	vtimber Mediu	Sub-Ca Relation 18.3 Sub-Ca Relation 18.3	ennopy Species Red Pine Red Cherry Red Maple Red Oak 96 Red Maple Red Maple	High Trace Trace Trace Trace Trace Trace Medium	Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and mapleselection cut- cut all aspen and orange trees-leave trees- 100 BA (inventory BA is closer to 50)-volume (cds)- 180 mhwd, 76 bsw, 14 rp, 68 mo, 22 aspen-completion- 2015-past treatment- thinning- cut all aspen, birch, fir, cedar, pine, maple, and bsw marked with yellow paint-sale number- 54-073-83-01-sale map acres- 16-leave trees- all
	4191 - Mixed Upl Co Canopy Species Sugar Maple Red Maple	and Deciduonifer **Cover** 23 5	ous with Saw Size Class Log/Pole Log/Pole	vtimber Mediu DBH Age 10 13	Sub-Ca R Ja Bla Re R Im 18.3 Sub-Ca Re Ba W	ence Pine eack Pine eack Pine eck Cherry ed Maple ed Oak 96 encey Species ed Maple elsed Maple elsed Maple elsed Maple elsed Maple elsed Maple elsed Maple	High Trace Trace Trace Trace Trace Trace Medium Low	Avg. Height < 5 feet N/A Avg. Height < 5 feet Variable	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and mapleselection cut- cut all aspen and orange trees-leave trees- 100 BA (inventory BA is closer to 50)-volume (cds)- 180 mhwd, 76 bsw, 14 rp, 68 mo, 22 aspen-completion- 2015-past treatment- thinning- cut all aspen, birch, fir, cedar, pine, maple, and bsw marked with yellow paint-sale number- 54-073-83-01-sale map acres- 16-leave trees- all unmarked trees -volume (cds)- 34 aspen 12 birch 8 mswd 28 wp 17
	4191 - Mixed Upl Co Canopy Species Sugar Maple Red Maple Basswood	and Deciduonifer % Cover 23 5 2	ous with Saw Size Class Log/Pole Log/Pole Log	vtimber Medic DBH Age 10 13 12	Sub-Ca R Ja Bla Re R Im 18.3 Sub-Ca Re Ba W Blackbe	anopy Species led Pine led Pine led Cherry led Maple led Oak led Oak led Oak led Oak led Oak led Oak led Maple	High Trace Trace Trace Trace Trace Trace Trace Medium Low Low	Avg. Height < 5 feet N/A Avg. Height < 5 feet Variable < 5 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling	FTP C54-1049 Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac Herbicide on 9/10/17 Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough. Several acres of wet, bog-like area northeast of the retention pocket. stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and mapleselection cut- cut all aspen and orange trees-leave trees- 100 BA (inventory BA is closer to 50)-volume (cds)- 180 mhwd, 76 bsw, 14 rp, 68 mo, 22 aspen-completion- 2015-past treatment- thinning- cut all aspen, birch, fir, cedar, pine, maple, and bsw marked with yellow paint-sale number- 54-073-83-01-sale map acres- 16-leave trees- all unmarked trees -volume (cds)- 34 aspen, 12 birch, 8 mswd, 28 wp, 17

Report 7 - Stands



Stand	Level 4 Co	over Type	S	Size De	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
46	330 - Low-D	Density Tre	ees	Nonst	ocked	12.8	0		4211 - Planted	Red Pine	cut in 2015
						Sub-Ca	nopy Species	Density	Avg. Height	Size	FTP C54-1049 Trenched on 11/12/15
						Re	ed Pine	High	< 5 feet	Sapling	Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock
						Ja	ck Pine	Trace	< 5 feet	Sapling	Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac
						Blad	k Cherry	Low	< 5 feet	Sapling	Herbicide on 9/10/17 Replanted 2019
						Re	d Maple	Trace	< 5 feet	Sapling	Year 3 survey 10/4/19, slam dunk; looks great. Older seedlings doing
						R	ed Oak	Trace	< 5 feet	Sapling	well, but the young ones are struggling. Quite a bit of this stand is a
								- 1			swamp and it should be delineated. No trees can grow in these wet areas. Wet areas are west, south, and southwest of the retention island.
47	42220 - Nati	ural Jack F	Pine Po	oletimb	er We	ll 33.3	63	51-80	N/A		
С	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Black/	/Red (Hybrid) Oak	2	Log/Pole	12		WI	ite Oak	Low	Variable	Sapling	
Qı	uaking Aspen	10	Pole	7		Black/Re	d (Hybrid) Oak	Medium	Variable	Sapling	
	Red Pine	20	Log/XLog	17	93						•
	Jack Pine	68	Pole	8	63						
48	4133 - Aspe	n, Mixed F	Pine	Saplin	g Well	33.6	27	51-80	N/A		sw corner of stand has a lot of jack pinepast treatment- clearcut,
С	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	winter cut only-sale number- 54-003-93-01-sale map acres- 63 (current stands 43 and 48-leave trees- all rp and wp-volume (cds)-
	Red Maple	10	Sapling/Pole	3		Re	d Maple	Medium	Variable	Sapling	1286 aspen, 35 jp, 257 mhwd-completion- spring 1994
Bi	igtooth Aspen	48	Sapling/Pole	4	27	Blad	k Cherry	Medium	5 - 10 feet	Sapling	
	White Pine	2	Log/XLog	16						'	
	Red Pine	10	Log/XLog	17							
	Jack Pine	10	Sapling/Pole	4							
Qı	uaking Aspen	20	Sapling/Pole	4							
49	6239 - Mixed E	mergent V	/etland	Nonsto	ocked	15.5			No		-mostly marsh and lowland shrub around edges near higher ground
50	4319 - Mixed	Upland Fo	orest Sa	awtimb		ll 8.9	84	81-110	N/A		-mixed in cover and hydrology 1 -cedar to north 1/3rd of stand, transitional
С	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-cedal to florth 1/3rd of stand, transitional
	uaking Aspen	35	Log/Pole	11	84	Wh	ite Pine	Medium	Variable	Sapling	
Qı			Pole/Log	_		Re	d Maple	Medium	Variable	Sapling	
Qı	Balsam Fir	10	i ole/Log	9		110	a mapio			Oupling	
Qı		10 5	Pole	7			g Alder	Low	5 - 10 feet	Tall Shrub	
Qı	Balsam Fir	5	<u> </u>			Та	•	Low Medium	5 - 10 feet Variable		
Qı E North	Balsam Fir Black Spruce	5	Pole	7		Та	g Alder			Tall Shrub	
Qı E North	Balsam Fir Black Spruce nern White Cedar	5	Pole Log/Pole	7		Та	g Alder			Tall Shrub	
Q: E North	Balsam Fir Black Spruce nern White Cedar White Pine	5 5 15	Pole Log/Pole Log/Pole/XLog	7 12 13		Та	g Alder			Tall Shrub	
Q: E North	Balsam Fir Black Spruce nern White Cedar White Pine Jack Pine	5 5 15 5	Pole Log/Pole/XLog Pole	7 12 13 9		Та	g Alder			Tall Shrub	

Report 7 – Stands



Stand	d Level 4 Co	over Type	;	Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
51	42110 - Plar	nted Red Pi	ne S	Sawtimb		6.1	93	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Pine	90	Log/XLog	16	93	Whi	ite Oak	Medium	Variable	Sapling	
	Jack Pine	10	Pole	8		Black/Red	l (Hybrid) Oak	Medium	Variable	Sapling	
						Re	d Pine	Medium	Variable	Sapling	
						Black	k Cherry	Medium	5 - 10 feet	Sapling	
52	42220 - Nati	ural Jack Pi	ne P	oletimb	er Well	7.1	86	81-110	N/A		scattered pine and oak regen.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	White Pine	2	Log/Pole	11		Red	d Maple	Medium	Variable	Sapling	
	Jack Pine	90	Pole/Log	8	86	Black	k Cherry	Medium	5 - 10 feet	Sapling	
	Red Pine	8	Log/Pole	13		Gray I	Dogwood	Medium	5 - 10 feet	Tall Shrub	
53	4132 - Aspe	en, Jack Pir	ne	Sapling	ı Well	11.3	15 I	Immature	N/A		-past treatment- clearcut -sale number- 54-015-03-01
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	-sale map acres- 404
	Red Maple	5	Sapling	2		Black	k Cherry	Medium	5 - 10 feet	Sapling	-leave trees-
	Quaking Aspen	60	Sapling	2	15						-volume (cds)-
	Jack Pine	35	Sapling	3							-completion- winter 2004-2005
54	42120 - Plar	nted Jack P	ine S	apling I	Medium	357.5	12 I	Immature	N/A		plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pinepast treatment- clearcut-sale number- 54-015-03-
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	01-sale map acres- 404-leave trees- all oak and 3-5 pole sized trees
	Jack Pine	5	Log	11		Black	k Cherry	Medium	5 - 10 feet	Sapling	per acre-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo-completion-
	Jack Pine	84	Sapling	2	12						winter 2004-2005-FTP-C54-764 (originally stands 4, 8, 9, and 19)-
	Quaking Aspen	3	Sapling	3							trenched and hand planted to JP in cool rainy/good weather-completion acres-400-date completed- 5/2009
Bla	ck/Red (Hybrid) Oak	5	Sapling	3							
Bla	ck/Red (Hybrid) Oak	3	Log	12							
55	4130	- Aspen	S	Sapling I	10dium	12.8					
				apınıg i	vieuluiii	12.0	28	1-50	N/A		-past treatment- clearcut, cut all trees
	Canopy Species	% Cover	Size Class		Age		iopy Species		N/A Avg. Height	Size	-sale number- 54-021-93-01
	Canopy Species Red Maple	% Cover	Size Class Sapling			Sub-Can				Size Sapling	· · · · · · · · · · · · · · · · · · ·
				DB H		Sub-Can	opy Species	Density	Avg. Height		-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd
	Red Maple	10	Sapling	DB H 3 4	Age	Sub-Can	opy Species	Density	Avg. Height		-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none
	Red Maple Bigtooth Aspen	10 65	Sapling Sapling/Pole	DBH 3 4 4	Age	Sub-Can	opy Species	Density	Avg. Height		-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd
56	Red Maple Bigtooth Aspen Jack Pine Red Oak	10 65 15	Sapling Sapling/Pole Sapling/Pole Sapling/Pole	DBH 3 4 4	28	Sub-Can	opy Species	Density	Avg. Height		-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak
56	Red Maple Bigtooth Aspen Jack Pine Red Oak	10 65 15 10 Red Oak	Sapling Sapling/Pole Sapling/Pole Sapling/Pole	DBH	28	Sub-Can Black 37.9	opy Species k Cherry	Density Medium 81-110	Avg. Height 5 - 10 feet		-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak -sale number- 54-021-93-01
56	Red Maple Bigtooth Aspen Jack Pine Red Oak 4123 -	10 65 15 10 Red Oak	Sapling Sapling/Pole Sapling/Pole Sapling/Pole	DBH	28 er Well	Sub-Can Black 37.9 Sub-Can	k Cherry	Density Medium 81-110	Avg. Height 5 - 10 feet N/A	Sapling	-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak
56	Red Maple Bigtooth Aspen Jack Pine Red Oak 4123 - Canopy Species	10 65 15 10 Red Oak	Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole	DBH 3 4 4 4 Sawtimb	28 er Well	Sub-Can Black 37.9 Sub-Can Red	k Cherry 83 Ropy Species	Density Medium 81-110 Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak -sale number- 54-021-93-01 -sale map acres- 35 -leave trees- all unmarked trees and all pine -volume (cds)- 50 ba cut out- 210 ro
56	Red Maple Bigtooth Aspen Jack Pine Red Oak 4123 - Canopy Species Red Oak	10 65 15 10 Red Oak Cover 91	Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Size Class Log/Pole	DBH	28 er Well	Sub-Can 37.9 Sub-Can Red Bigtoo	83 hopy Species d Maple	Density Medium 81-110 Density Full	Avg. Height 5 - 10 feet N/A Avg. Height >20 feet	Sapling Size Sapling	-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak -sale number- 54-021-93-01 -sale map acres- 35 -leave trees- all unmarked trees and all pine -volume (cds)- 50 ba cut out- 210 ro -completion- 1993
56	Red Maple Bigtooth Aspen Jack Pine Red Oak 4123 - Canopy Species Red Oak White Pine	10 65 15 10 Red Oak % Cover 91 2	Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Size Class Log/Pole Log/Pole	DBH	28 er Well	37.9 Sub-Can Red Bigtoc Whi	83 Ropy Species Maple oth Aspen	Medium 81-110 Density Full Low	Avg. Height 5 - 10 feet N/A Avg. Height >20 feet >20 feet	Size Sapling Sapling Sapling	-sale number- 54-021-93-01 -sale map acres- 15 -leave trees- none -volume (cds)- 480 bta, 154 mhwd -completion- 1993 -past treatment- thinning, cut all yellow marked oak -sale number- 54-021-93-01 -sale map acres- 35 -leave trees- all unmarked trees and all pine -volume (cds)- 50 ba cut out- 210 ro

Report 7 - Stands



stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
57	42220 - Nati	ural Jack F	Pine	Saplin	g Well	1.8	15	1-50	N/A		-past treatment- clearcut -sale number- 54-030-03-01
Cano	opy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-sale map acres- 134
Black/Red	d (Hybrid) Oak	5	Sapling	3		Blad	ck Cherry	Medium	5 - 10 feet	Sapling	-PU 5 (current stands 61, 60, 34, and 65)
Jac	ck Pine	95	Sapling	2	15						-leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006
58	42220 - Nati	ural Jack F	Pine	Poletimb	er Wel	26.3	82	51-80	N/A		more overstory jp and less adv regen of oak below vs other adj jp stands-adv wo cover closer to 10-20%-adv b/r oak closer to 10-20%
Cano	ppy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	less/ low red maple and chry as well-adv oak form is poorer here-
Jac	ck Pine	90	Pole/Log	8	82	Black/Re	d (Hybrid) Oak	Medium	Variable	Sapling	more regen under 5ft here, over 50%
Quaki	ing Aspen	5	Pole	8		WI	nite Oak	Medium	Variable	Sapling	
Black/Red	d (Hybrid) Oak	5	Log/Pole	11		Blad	ck Cherry	Low	5 - 10 feet	Sapling	
						Re	d Maple	Low	Variable	Sapling	
59	4125 - Blac	k, N. Pin C)ak	Sapling l	Medium	3.0	19	1-50	N/A		- poorly regenerated
Cano	opy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Jac	ck Pine	5	Pole	8		Blad	ck Cherry	Low	5 - 10 feet	Sapling	
Black/Red	d (Hybrid) Oak	20	Log	10	92						
Black/Red	d (Hybrid) Oak	65	Sapling	2	19						
Wh	nite Oak	10	Sapling	2							
60	4131 - A	spen, Oak		Saplin	g Well	35.2	15	1-50	N/A		stand has a lot of oak regen in west side. will probably be able to ty
Cano	opy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	out second stand next entry. -past treatment- clearcut
Black/Red	d (Hybrid) Oak	5	Log	11		Blad	ck Cherry	Medium	5 - 10 feet	Sapling	-sale number- 54-030-03-01
Black/Red	d (Hybrid) Oak	30	Sapling	2	15					1	-sale map acres- 134
Re	ed Pine	5	Log	13							-PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only
Quaki	ing Aspen	50	Sapling	2	15						-volume (cds)- 1,991 jp, 120 bta
	ck Pine	5	Sapling	2							-completion- spring 2006
	nite Oak	5	Sapling	2							
			1 3								-more oak and cherry in northern 1/3rd
61	42120 - Plar	ited Jack F	Pine	Sapling I	Medium	9.9	14	1-50	N/A		stand has a lot of oak regen in west side. will probably be able to ty
Cano	opy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	out second stand next entry.
	ed Oak	2	Log	11		Blad	ck Cherry	Medium	5 - 10 feet	Sapling	-past treatment- clearcut
Re											-sale number- 54-030-03-01
	d (Hybrid) Oak	10	Sapling	3	17						
Black/Red	d (Hybrid) Oak ing Aspen	10 5	Sapling Sapling	3	17 17						-sale map acres- 134
Black/Red Quaki			. 0								
Black/Red Quaki Re	ing Aspen	5	Sapling	1							-sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta
Black/Red Quaki Re	ing Aspen ed Pine	5 2	Sapling Log	1 13	17						-sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only



tanc	d Level 4 Co	over Type	3	ize De		Acres	Stand Age B		Managed S		General Comments
63	4199 - Other Mixed	d Upland D	eciduous Sa	ıpling M	1edium	14.5	15	1-50	N/A		portion of stand burned before it was harvestedpast treatment-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	clearcut-sale number- 54-015-03-01-sale map acres- 68-PU 4- leave trees- adv regen only-volume (cds)- 1066 jp, 50 bta, 6 rm-
	Quaking Aspen	15	Sapling/Pole	3		Bla	ck Cherry	Medium	5 - 10 feet	Sapling	completion- fall 2005FTP- C54-767- trench and plant to jack pine
	Jack Pine	10	Sapling	3							(current stands 34, 65, 63, 64, and 21)acres planted- 97completion
Bla	ack/Red (Hybrid) Oak	35	Sapling/Pole	3	15						date- 5/2007-semi-open, mixed regen with more oak
	White Oak	20	Sapling/Pole	3							
	Red Maple	20	Sapling/Pole	3							
64	42120 - Plan	ited Jack P	Pine Sa	ıpling M	1edium	15.3	14	1-50	N/A		portion of stand burned before it was harvested.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	- past treatment- clearcut -sale number- 54-015-03-01
Bla	ack/Red (Hybrid) Oak	5	Sapling	2	17		ck Cherry	Medium	5 - 10 feet	Sapling	-sale map acres- 68
	Jack Pine	95	Sapling	2	14	Oa	ak (spp.)	Medium	5 - 10 feet	Sapling	-PU 4
65	4191 - Mixed Upla Co	and Decidu nifer	ous with	Sapling	Well	28.2	15	1-50	N/A		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.
65		nifer	ous with	Sapling DBH			15	1-50	N/A Avg. Height	Size	FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut
65	Co	nifer		. 0		Sub-Ca				Size Sapling	FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut -sale number- 54-030-03-01
	Co Canopy Species	nifer % Cover	Size Class	DBH		Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6: 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65)
	Co Canopy Species Red Oak	% Cover	Size Class Log	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only
	Co Canopy Species Red Oak ack/Red (Hybrid) Oak	% Cover 2 35	Size Class Log Sapling	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 66, 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta
	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen	% Cover 2 35 15	Size Class Log Sapling Sapling	DBH 11 2 2	Age	Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only
	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine	% Cover 2 35 15 5	Size Class Log Sapling Sapling Log	DBH 11 2 2 13	Age 15	Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta
	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine Jack Pine Red Maple	% Cover 2 35 15 5 28	Size Class Log Sapling Sapling Log Sapling Sapling Sapling	DBH 11 2 2 13 2	15 15	Sub-Ca	anopy Species	Density	Avg. Height		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 white pine is in north part of stand. north part of stand was thinned in
Bla	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine Jack Pine Red Maple	% Cover 2 35 15 5 28 10	Size Class Log Sapling Sapling Log Sapling Sapling Sapling	DBH 11 2 2 13 2 2 2	Age 15 15 ver Well	Sub-Ca Blad	anopy Species ick Cherry	Density Medium	Avg. Height 5 - 10 feet		FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 white pine is in north part of stand. north part of stand was thinned in 2005-past treatment- species thinned-sale number- 54-018-05-01-
Bla	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine Jack Pine Red Maple	% Cover 2 35 15 5 28 10 Dak, Pine	Size Class Log Sapling Sapling Log Sapling Sapling Sapling	DBH 11 2 2 13 2 2 2 2 2 awtimbe	Age 15 15 ver Well	Sub-Ca Blace 8.0 Sub-Ca	anopy Species ck Cherry	Density Medium 51-80	Avg. Height 5 - 10 feet	Sapling	FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 white pine is in north part of stand. north part of stand was thinned in
Bla	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine Jack Pine Red Maple 4122 - C Canopy Species	% Cover 2 35 15 5 28 10 Dak, Pine % Cover	Size Class Log Sapling Sapling Log Sapling Sapling Sapling	DBH 11 2 2 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15 15 er Well	Sub-Ca 8.0 Sub-Ca	anopy Species ck Cherry 85 anopy Species	Density Medium 51-80 Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to typout second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 white pine is in north part of stand. north part of stand was thinned in 2005-past treatment- species thinned-sale number- 54-018-05-01- sale map acres- 6-leave trees- all oak, wp, rp, and cedar-volume
Bla	Co Canopy Species Red Oak ack/Red (Hybrid) Oak Quaking Aspen Red Pine Jack Pine Red Maple 4122 - C Canopy Species Red Oak	% Cover 2 35 15 5 28 10 Cok, Pine % Cover 70	Size Class Log Sapling Sapling Log Sapling Sapling Sapling Sapling Sapling Sapling	DBH 11 2 2 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15 15 er Well	Sub-Ca 8.0 Sub-Ca WI	anopy Species ck Cherry 85 anopy Species hite Pine	Density Medium 51-80 Density High	Avg. Height 5 - 10 feet N/A Avg. Height Variable	Sapling Size Sapling	FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 6 64, and 21) acres planted- 97 completion date- 5/2007 stand has a lot of oak regen in west side. will probably be able to typout second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 white pine is in north part of stand. north part of stand was thinned in 2005-past treatment- species thinned-sale number- 54-018-05-01- sale map acres- 6-leave trees- all oak, wp, rp, and cedar-volume

Report 7 - Stands



Stand	Level 4 Co	ver Type		Size De	nsity	Acres	Stand Age BA	A Range	Managed S	Site	General Comments
67	6128 - Lowland (Deci	Coniferous, duous	, Mixed S	Sawtimb	er Well	9.5	94	81-110	N/A		-too wet-small stream to west edge
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
- (Quaking Aspen	10	Log/Pole	10		Re	d Maple	Medium	Variable	Sapling	
	Balsam Fir	10	Pole	8		Ва	lsam Fir	Medium	Variable	Sapling	
	Black Spruce	25	Pole	8		Та	ıg Alder	Medium	5 - 10 feet	Tall Shrub	
Nor	thern White Cedar	35	Log/Pole	12	94						
	White Pine	5	Log/Pole	12							
	Red Maple	10	Pole/Log	8							
	Paper Birch	5	Pole	8							
68	4131 - A	spen, Oak		Sapling N		5.7	17	1-50	N/A		portion of stand burned before it was harvestedpast treatment- clearcut
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-sale number- 54-012-03-01
Blac	k/Red (Hybrid) Oak	20	Sapling	2		Black/Re	d (Hybrid) Oak	Medium	5 - 10 feet	Sapling	-sale map acres- 86
	Bigtooth Aspen	40	Sapling	2	17	Blac	ck Cherry	Medium	5 - 10 feet	Sapling	-PU 1 -leave trees- none
Blac	k/Red (Hybrid) Oak	5	Log	12		Re	d Maple	Low	5 - 10 feet	Sapling	-volume (cds)-
(Quaking Aspen	20	Sapling	2		Servicebe	erry (Juneberry)	Medium	5 - 10 feet	Sapling	-completion- 2004
	Jack Pine	10	Sapling	2							
	Red Maple	5	Sapling	2							
	40004 Notural										
69		Jack Pine, duous	Mixed §	Sapling N		2.3	17	1-50	N/A		portion of stand burned before it was harvestedpast treatment- clearcut
		duous	Mixed Size Class	. 0	Medium		17	1-50 Density	N/A Avg. Height	Size	-past treatment- clearcut -sale number- 54-012-03-01
	Deci	duous		. 0		Sub-Ca				Size Sapling	-past treatment- clearcut
	Deci Canopy Species	duous % Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-012-03-01 -sale map acres-86 -PU 1 -leave trees- none
Blac	Deci Canopy Species k/Red (Hybrid) Oak	% Cover	Size Class Sapling	DB H	17	Sub-Ca	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-012-03-01 -sale map acres-86 -PU 1
Blac	Canopy Species k/Red (Hybrid) Oak Jack Pine	% Cover 25 70	Size Class Sapling Sapling	DBH 2 2	17	Sub-Ca	nopy Species	Density	Avg. Height		-past treatment- clearcut -sale number- 54-012-03-01 -sale map acres-86 -PU 1 -leave trees- none -volume (cds)-



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
	42220 - Natu Canopy Species Quaking Aspen Jack Pine kk/Red (Hybrid) Oak		Size Class Sapling Sapling Sapling	Sapling DBH 3 3 3		2.5	15	Immature	N/A		plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pinepast treatment- clearcut -sale number- 54-015-03-01 -sale map acres- 404 -leave trees- all oak and 3-5 pole sized trees per acre
											-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo -completion- winter 2004-2005 -FTP-C54-764 (originally stands 4, 8, 9, and 19) -trenched and hand planted to JP in cool rainy/good weather -completion acres-400 -date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets
72	710 - S	and, Soil		Nonsto	cked	1.2			No		
73	4310 - Pir	ne, Oak Mix	(Sapling N	ledium	3.5	6	Immature	N/A		FTP C54-1049
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	s Density	Avg. Height	Size	Trenched on 11/12/15 Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock
	Jack Pine	45	Sapling	1	6	Blac	k Cherry	Medium	< 5 feet	Sapling	Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac
	Quaking Aspen	10	Sapling	1				'	1		Herbicide on 9/10/17
	White Oak	5	Sapling	1							Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019.
Blac	k/Red (Hybrid) Oak	40	Sapling	1							Year 1 replant survey 10/4/19 looks great; did walkthrough. Seedlings
											are tall and healthy with good buds. Wet area to the west. Lots of natural jack pine regen. 90% FTG 900 TPA of RP 3.5 ft tall RP
74	4310 - Pir	ne, Oak Mix	(Sapling M	ledium	10.6	15	Immature	N/A		plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pine.
	Canopy Species		Size Class	DBH	Age	Sub-Car	opy Species	s Density	Avg. Height	Size	past treatment- clearcut
Blac	k/Red (Hybrid) Oak	35	Sapling	3	15	Blac	k Cherry	Medium	5 - 10 feet	Sapling	-sale number- 54-015-03-01
	Jack Pine	49	Sapling	3	15						-sale map acres- 404 -leave trees- all oak and 3-5 pole sized trees per acre
	Quaking Aspen	10	Sapling	3							-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo
	Jack Pine	3	Log	11							-completion- winter 2004-2005
Blac	k/Red (Hybrid) Oak	3	Log	12							-natural regeneration
75	42220 - Nati	ural Jack P	ine	Poletimbe		20.8	82	51-80	N/A		adv oak is not of poor form ¬ adv white oak 40-60% cover most over 5ft tall
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	s Density	Avg. Height	Size	adv white oak 40-60% cover most over 5ft ft tall
	Jack Pine	80	Pole/Log	8	82	Black/Red	l (Hybrid) Oa	k Medium	Variable	Sapling	adv red maple less than 10% cover most over 5 ft tall
Blac	k/Red (Hybrid) Oak	10	Log/Pole	11			ite Oak	High	Variable	Sapling	
	Quaking Aspen	10	Pole	8		Blac	k Cherry	Low	5 - 10 feet	Sapling	
						Red	d Maple	Low	Variable	Sapling	



Stand	Level 4 Co	Cover Type		Size Density		Acres	Stand Age	DA Kalige	Managed Site		General Comments
76	42221 - Natural C Decid	Jack Pine, l duous	Mixed Pol	etimber N	Medium	n 22.2	82	51-80	N/A		adv red maple 20-30% cover most over 5 ft tall adv white oak 20-30% cover most over 5ft tall
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	adv b/r oak 30-50% cover most over 5ft ft tall
	Jack Pine	65	Pole/Log	8	82	Re	d Maple	Medium	Variable	Sapling	
	Red Maple	20	Pole/Sapling	7		Blac	ck Cherry	Medium	5 - 10 feet	Sapling	
Blac	ck/Red (Hybrid) Oak	10	Log/Pole	11		Wh	nite Oak	Medium	Variable	Sapling	
	Bigtooth Aspen	5	Pole/Log	9		Black/Red	d (Hybrid) Oa	ak Medium	Variable	Sapling	
77	42220 - Natu	ıral Jack Pi	ne	Sapling \	Well	2.9	15	Immature	N/A		plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered
	Canopy Species	% Cover	Size Class	DBH A	Age						mature jack pinepast treatment- clearcut
	Quaking Aspen	5	Sapling	3	15						-sale number- 54-015-03-01
	Jack Pine	90	Sapling	3	15						-sale map acres- 404
Blac	ck/Red (Hybrid) Oak	5	Sapling	3							-leave trees- all oak and 3-5 pole sized trees per acre -volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo
											-completion- winter 2004-2005
											-FTP-C54-764 (originally stands 4, 8, 9, and 19) -trenched and hand planted to JP in cool rainy/good weather -completion acres-400 -date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets
											-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory
78	4191 - Mixed Uplai Cor	nd Deciduc	ous with Sa	apling Me	edium	12.8	15	1-50	N/A		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.
78		nifer	ous with Sa	apling Me			15 nopy Specie		N/A Avg. Height	Size	-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entry. -past treatment- clearcut
	Cor	nifer				Sub-Car				Size Sapling	-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.
Blac	Cor Canopy Species	nifer % Cover	Size Class	DBH 11		Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65)
Blac	Cor Canopy Species ck/Red (Hybrid) Oak	% Cover	Size Class Log	DBH 11 2	Age	Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak	% Cover 2 20	Size Class Log Sapling	DBH 11 2 2	Age 15	Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen	% Cover 2 20 25	Size Class Log Sapling Sapling	DBH 11 2 2	15 15	Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine	% Cover 2 20 25 28	Size Class Log Sapling Sapling Sapling	DBH A	15 15	Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine Red Maple White Oak	% Cover 2 20 25 28 15	Size Class Log Sapling Sapling Sapling Sapling Sapling Sapling Sapling	DBH 2 2 2 2 2 2 2 apling Me	15 15 15 15	Sub-Car	nopy Specie	s Density	Avg. Height		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 -natural regen FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine Red Maple White Oak	% Cover 2 20 25 28 15 10 se, Oak Mix	Size Class Log Sapling Sapling Sapling Sapling Sapling Sapling Sapling	DBH A 11 2 2 2 2 2 2 2 2	15 15 15 15	Sub-Car Black	nopy Specie	Medium Immature	Avg. Height 5 - 10 feet		-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 -natural regen FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256
Blac	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine Red Maple White Oak	% Cover 2 20 25 28 15 10 se, Oak Mix	Size Class Log Sapling Sapling Sapling Sapling Sapling Sapling Sapling	DBH 2 2 2 2 2 2 2 apling Me	15 15 15 15	Sub-Car Blace 4.0 Sub-Car	nopy Specie ck Cherry	Medium Immature	Avg. Height 5 - 10 feet N/A	Sapling	-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 -natural regen FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019.Year 1 replant survey 10/4/19 looks
Blace Blace 79	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine Red Maple White Oak 4310 - Pin	% Cover 2 20 25 28 15 10 10 ee, Oak Mix % Cover	Size Class Log Sapling Sapling Sapling Sapling Sapling Sapling Sapling	DBH 1 1 2 2 2 2 2 2 2 2 2 DBH 1 DBH 1	15 15 15 edium	Sub-Car Blace 4.0 Sub-Car	nopy Specie ck Cherry 6 nopy Specie	Medium Immature B Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 -natural regen FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019. Year 1 replant survey 10/4/19 looks great; did walkthrough. Seedlings are tall and healthy with good buds.
Blace Blace 79	Cor Canopy Species ck/Red (Hybrid) Oak ck/Red (Hybrid) Oak Quaking Aspen Jack Pine Red Maple White Oak 4310 - Pin Canopy Species Jack Pine	% Cover 2 20 25 28 15 10 e. Oak Mix % Cover 45	Size Class Log Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	DBH 1 11 2 2 2 2 2 2 2 DBH 1 11	15 15 15 edium	Sub-Car Blace 4.0 Sub-Car	nopy Specie ck Cherry 6 nopy Specie	Medium Immature B Density	Avg. Height 5 - 10 feet N/A Avg. Height	Sapling	-date completed- 5/2009 -could not locate old planting regen survey records and no monitor treatments were coded during last inventory -copy for other natural pockets stand has a lot of oak regen in west side. will probably be able to type out second stand next entrypast treatment- clearcut -sale number- 54-030-03-01 -sale map acres- 134 -PU 5 (current stands 61, 60, 34, and 65) -leave trees- adv regen only -volume (cds)- 1,991 jp, 120 bta -completion- spring 2006 -natural regen FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019.Year 1 replant survey 10/4/19 looks

Report 7 – Stands

Atlanta Mgt. Unit

DEPARTME	DNR
130	M/CHIGAN

Stand	Level 4 C	Size Density Poletimber Well		Acres	Stand Age BA Range		Managed Site	General Comments	MICHIGAN .		
80	42221 - Natural Dec			4.4	71	51-80	N/A	-C. Zaremba regen survey previously completed -was not included within FTP C54-1049 for planting to jp			
	Canopy Species	% Cover	Size Class	s DB	H Age					-past treatment- clearcut -leave trees- green trees	
	Red Oak	15	Log	13	,					-volume (cds)- 64 rp, 1044 jp, 73 mo, 16 aspen, 8 mhwd	
	Jack Pine	60	Pole/Log	8	71					-completion- 2015	
	6233 - Wet Meadow			Nonetacked		2.0	Unanacified	Unapposition	No		
81	0233 - W	vet ivieadow	V	Nonstocked		2.8		Unspecified	No		