

Compartment Review Presentation

Atlanta Forest Management Unit Compartment 54039 Entry Year 2024 Acreage: 1,886 County Montmorency Management Area: Thunder Bay Outwash

Stand Examiner: Dale Parris

Legal Description:

T31N R02E Sections 1, 2, 3, 11, and 12

Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Thunder Bay Outwash Management Area (TBOMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The timber analysis completed on the TBOMA indicated that the aspen, red pine, and upland mixed forest covertypes be of focus for harvest for the purpose of balancing the age classes of these covertypes across the Management Area (MA). Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

Soil and topography:

An estimated 80 percent of Compartment 39 is upland (flat to slightly rolling hills) and 20 percent is lowland (flat). The upland areas are dominated the well-drained Millersburg loamy sand and the excessively well drained Grayling and Rubicon sands. The lowland areas are dominated by the very poorly drained Tawas – Lupton mucks.

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

Compartment 39 is bordered by a combination of other state land, large acreage private recreation properties, and some private year-round residencies.

Unique Natural Features:

The majority Jackson Lake is located in the southwest corner of Compartment 39. Areas of large old naturally regenerated red pine are present within the compartment.

Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did have areas of concern within Compartment 39. For further information, contact the SHPO.

Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 2 species historically being in or near Compartment 39 that require consideration when implementing forest management strategies. These species are the ram's head lady's-slipper Cypripedium arietinum and the northern amber bumble bee Bombus borealis (state special concerns species).

Watershed and Fisheries Considerations:

There is a boating access site at Jackson Lake. Proper actions should be taken to minimize the spread of invasive aquatic species.

Wildlife Habitat Considerations:

Compartment 39 contains a wide mix of habitat and cover types for wildlife from young aspen and openings to jack pine, oak, red pine, bog and cedar. As a result, many different species are found here. Featured species include elk, white-tailed deer, ruffed grouse, black bear, pileated woodpeckers, and American woodcock to name a few. These species will continue to persist and several will benefit from opening maintenance planned within the compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 1-3 & 11-12, T31N-R2E, Montmorency County

No active sand/gravel pits occur in the area. There appears to be some good sand & gravel potential in the compartment on the uplands, but any surface mining would need to avoid oil & gas infrastructure. This area has been developed for and is producing gas from the Antrim Shale. Nearly all State-owned mineral rights are currently leased and held by production. Spacing requirements could limit potential of additional wells beneath the compartment. Additionally, due to the persistent low price of natural gas, there is unlikely to be any additional Antrim development in the area in the near future. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access to Compartment 39 is from County Road 624, M-33, and County Road 628. The interior of the compartment is further accessible via a system of forest roads.

Survey Needs:

For the purpose of conducting timber sales and maintaining legal private/state land boundary posting locations, there may be a need for property line surveys within Compartment 39. Further investigation will be needed to determine the extent to which these surveys are required.

Recreational Facilities and Opportunities:

Rabbit/hare, grouse, whitetail deer, squirrel, turkey, and bear hunting opportunities are available within Compartment 39. Fishing opportunities are available at Jackson Lake. All hunting and fishing are to take place within season with a valid license. Wildlife viewing opportunities are also present. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters and those fishing.

The High County Pathway runs through the western half of Compartment 39. The Michigan Cross Country Cycle Trail runs north-south through the center of the compartment. ATV, ORV, and snowmobiles trails/routes also weave their way through Compartment 39. Camping opportunities are available at Jackson Lake State Forest Campground located on the northern edge of Jackson Lake.

Fire Protection:

In the case of wildland fire, Compartment 39 is within the response area of the Atlanta DNR Fire Taskforce and the Montmorency County Tri-Township Volunteer Fire Department.

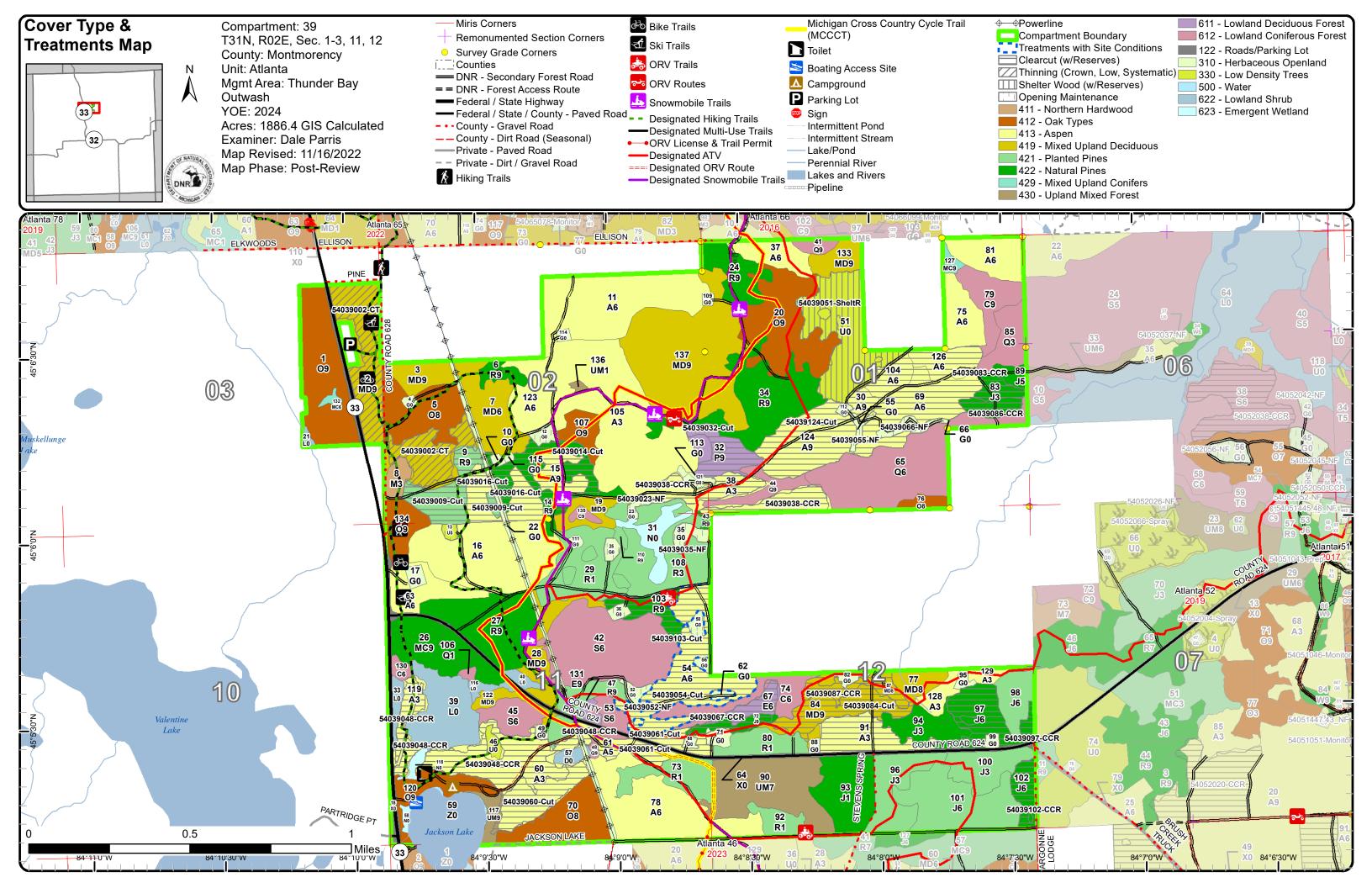
Additional Compartment Information:

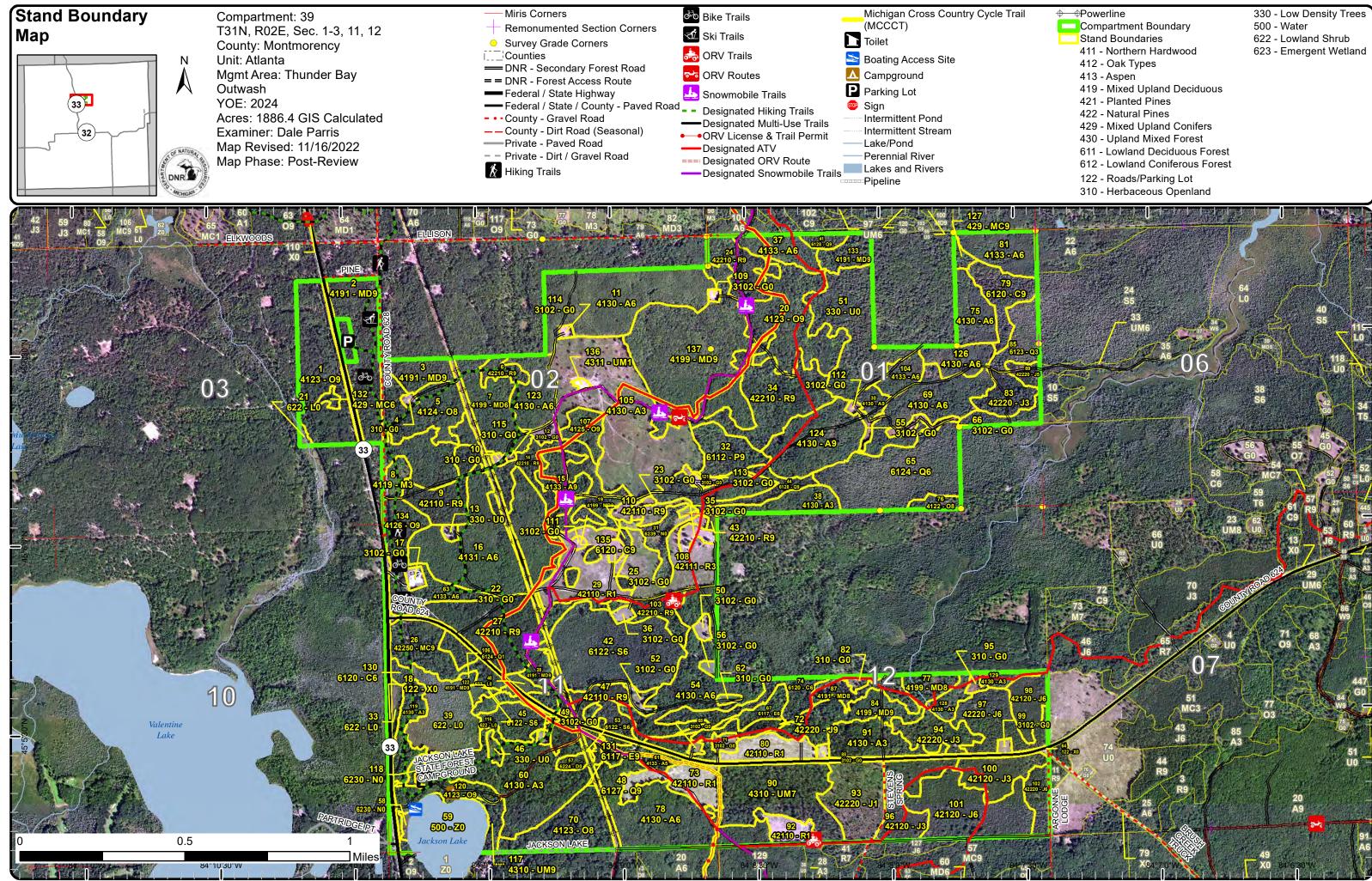
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

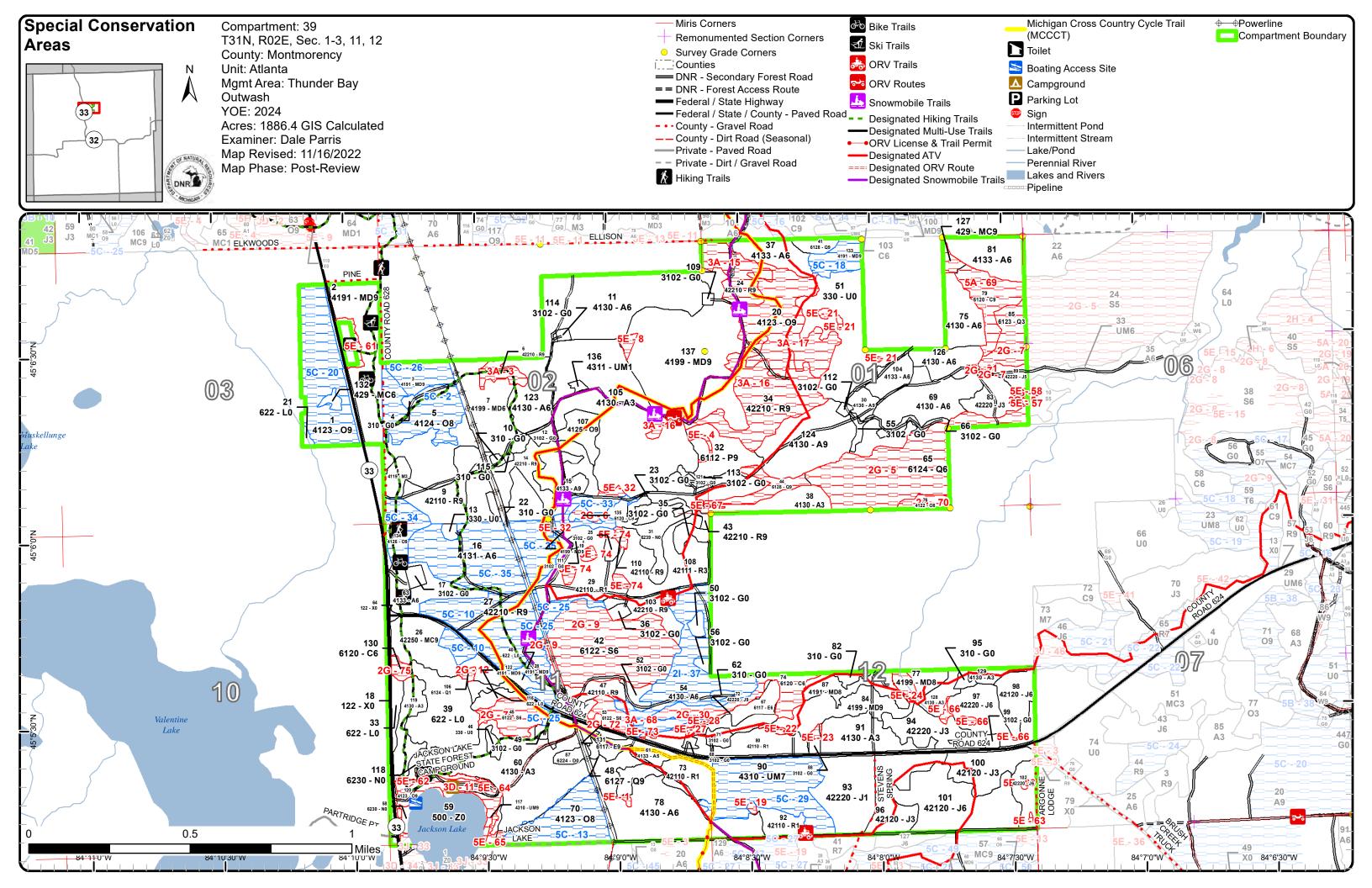
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments

Site condition boundaries

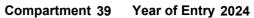
Details on the road access system







Dale Parris : Examiner

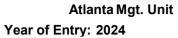




Age Class

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Aspen	0	184	0	9	124	107	150	0	0	0	0	0	0	0	0	0	0	0	574
Cedar	0	0	0	0	0	0	0	0	0	16	0	2	15	0	2	0	0	0	35
Herbaceous Openland	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Jack Pine	0	11	24	60	39	0	21	9	0	0	6	0	0	0	0	0	0	0	170
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15
Lowland Conifers	0	0	0	0	1	13	0	0	56	0	0	0	4	8	0	0	0	0	82
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Lowland Shrub	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	6	53	11	0	0	0	0	0	0	0	69
Marsh	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	0	0	23	0	73	0	0	27	4	104	0	0	0	0	0	0	230
Natural Mixed Pines	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Oak	0	0	0	0	0	0	0	8	0	0	43	114	0	0	0	0	0	0	164
Red Pine	0	91	0	0	0	0	0	12	93	1	0	0	0	0	0	60	0	0	256
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	1	0	0	0	0	0	0	0	40	5	0	0	0	0	0	0	0	46
Urban	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Water	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	210	287	29	69	189	120	244	44	178	137	77	220	19	8	2	60	0	0	1888

Acres of Harvest



Compartment 39 Total Compartment Acres: 1,886

Commercial Harvest - 427 Harvests with Site Condition - 40 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

				Contraction of the second	to of the other	and the second	icon con contraction of the cont	Orinin Original State	Rolling C	See State	Stor I Sta	S. S.
Aspen		243	0	0	0	0	0	0	0	0	243	
Jack Pine		44	0	0	0	0	0	0	0	0	44	
Low-Density Trees		0	0	0	0	39	0	0	0	0	39	
Lowland Aspen/Balsam Poplar		12	0	0	0	0	0	0	0	0	12	
Lowland Deciduous		6	0	0	0	0	0	0	0	0	6	
Mixed Upland Deciduous		28	0	0	0	0	47	0	0	0	75	
Red Pine		48	0	0	0	0	0	0	0	0	48	
	Total	381	0	0	0	39	47	0	0	0	467	

Proposed and Next Step Treatments by Method

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Current		467	0	0	0	0	0	0	0	23	490	
Next Step		0	183	80	0	39	183	439	64	0	989	
	Total	467	183	80	0	39	183	439	64	23	1479	

S t		Atlant	a Mgt. Unit	I	Repoi	rt3 ⁻	Treatments		Compartmer Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Michig M Habit Cut
pose	ed Treatmen	ts:									
12	54039012-3- New	0.0	3102 - Grass	Nonstocke	d		Unspecified	ERROR	Unspecified		N
	<u>cription</u>										
<u>Spec</u>											
	<u>Step</u> tments:										
<u>Acce</u> Rege	eptable_ en:										
<u>Othe</u> Com	e <u>r</u> ment:										
Site	Condition										
<u>Prop</u>	osed Start Date	<u>e:</u> 10/1 /20	023								
rove	ed Treatmen	its:									
2	54039002-CT	46.8	4191 - Mixed Upland Deciduous	Sawtimber Well	r 101	111- 140	Harvest	Crown Thinning	4199 - Other Mixed Upland	Even-Age	d N

2 54039	002-C1 46.8	Upland Deciduous with Conifer	Well	101	111- 140	Harvest	Crown I ninning	4199 - Other Mixed Upland Deciduous	Even-Agea	NO
Prescription Specs:		and maple. Crop tre becs. Leave 3-10% o						one will leave BA a	at 100 or above.	Use
<u>Next Step</u> <u>Treatments:</u>										
<u>Acceptable</u> <u>Regen:</u>										
<u>Other</u> <u>Comment:</u>										
Site Condition	<u>on</u>									
Proposed St	<u>art Date:</u> 10/1 /2	2015								
9 540390	009-Cut 18.0	42110 - Planted Red Pine	Sawtimber Well	77	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
Prescription Specs:	Clear-cut with re	etention.								
<u>opecs.</u>	Plant to red pine	е.								
	Protect all legad	cy oak.								
	Include low stur	mp and chip specs.								
	Include specs for	or protecting recreation	on trails and t	their us	sers.					
<u>Next Step</u> <u>Treatments:</u>		Chopping; SitePre mercial Thinning - H							Skidder - Releas	se;
<u>Acceptable</u> <u>Regen:</u>	Acceptable rege	eneration is a fully sto	ocked stand o	of red p	oine with	minor compone	ents of other native	ree species.		
<u>Other</u> <u>Comment:</u>										
Site Conditio	<u>on</u>									
Proposed St	art Date: 10/1 /2	2023								
1										

S t		Atlanta	Mgt. Unit		Repoi	rt3 [·]	Treatments		Compartmer Year of Entr		DNR
a n Trea	tment Ac ame	res	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Michig Hab Ci
12 5403	9012-NF	2.7	3102 - Grass	Nonstocke	ed		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		١
				ongoing rota	ational b	asis to p	roduce wildlife fo	rage through burnir	ng, mowing, plan	ting, herbicid	le, or oth
Specs:	agriculture	practice	es.								
Next Step Treatments	<u>s:</u>										
<u>Acceptable</u> <u>Regen:</u>	<u>-</u>										
<u>Other</u>											
Comment:											
Site Condit	<u>ion</u> Start Date: 10	0/1 /202	2								
				Nevete els			Non Consol Mart		240		
13 5403	9013-NF	1.4 3	30 - Low-Density Trees	NONSTOCK	ea		NonForestivigt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		I
				ongoing rota	ational b	asis to p	roduce wildlife fo	orage through burnir	ng, mowing, plan	ting, herbicid	le, or oth
<u>Specs:</u>	agriculture	practice	es.								
Next Step Treatments	5:										
Acceptable	_										
<u>Regen:</u>	<u></u>										
<u>Other</u> Comment:											
Site Condit	ion										
Proposed S	Start Date: 1	0/1 /202	23								
14 54039	9014-Cut	20.5	42210 - Natural Red Pine	Sawtimbe Well	er 77	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Age	d I
Prescription Specs:	n Clear-cut w	vith rete	ntion.								
<u>opecs.</u>	Plant to rec	d pine.									
	Protect all	legacy o	oak.								
	Include low	/ stump	and chip specs.								
		•	protecting recreati	ion trails an	d their i	ISARS					
<u>Next Step</u> Treatments	SitePrep, F	Roller Cl	hopping; SitePre	p, Trenchir	ıg; Pes	sticide, Sk		o; Pesticide, Skidd nitoring, Artificial Re		lanting, Initia	l Plant;
			•		•			nts of other native t			
<u>Other</u> Comment:	Place reter	ntion in t	the 2 legs at the s	south end of	f the sta	nd to squ	lare up the harve	est (This is already r	mapped out of th	e treatment)	
Site Condit	ion										
Proposed S	Start Date: 1	0/1 /202	23								
			0								

Report 3 -- Treatments

Compartment: 39 Year of Entry: 2024



S t				a Mgi. Unit		Topo		reatments		Compartmen Year of Entry		
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Michig M Habit Cut
	5403901		10.1	4133 - Aspen, Mixed Pine	Sawtimbe Well	r 55	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
Prescr Specs:		Clear-cu	t.									
		Plant to	red pine.									
		There wi	ll be not	retention due to the	e small size	of the	stand and	l the follow-up pl	lanting of red pine.			
		Include s	specs for	protecting recreat	ion trails and	d their ı	users.					
		Include I	ow stum	o and chip specs.								
<u>Next S</u> Treatrr									p; Pesticide, Skido nitoring, Artificial R		anting, Initial	Plant;
Accept Regen		Acceptal	ole regen	eration is a fully st	ocked stand	d of red	pine with	minor compone	ents of other native	tree species.		
<u>Other</u> Comm		This 10. ⁻	l acres is	s being added to th	ie adjacent o	cuts for	the efficie	ent planting of re	ed pine.			
Site Co	ondition	1										
Propos	sed Sta	<u>rt Date:</u>	10/1 /20	23								
16 5	5 40390 1	16-Cut	15.7	4131 - Aspen, Oak	Poletimbe Well	r 55	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	N
Prescr Specs:		Clear-cu	t with ret	ention.								
<u>specs</u>	_	Plant to	red pine.									
		Include s	specs for	protecting recreat	ion trails and	d their u	users.					
		Include I	ow stum	o and chip specs.								
<u>Next S</u> Treatm									p; Pesticide, Skido nitoring, Artificial R		anting, Initial	Plant;
Accept Regen		Acceptal	ole regen	eration is a fully st	ocked stand	d of red	pine with	minor compone	ents of other native	tree species.		
<u>Other</u> Comm		This 15.7	7 acres is	s being added to th	e adjacent o	cuts for	the efficion	ent planting of re	ed pine.			
Site Co	ondition	<u>1</u>										
Propos	sed Sta	rt Date:	10/1 /20	23								
23 8	540390	23-NF	1.5	3102 - Grass	Nonstocke	ed	lmmatu re	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
Prescr Specs:			may be re practio		ongoing rota	ational b	oasis to pi	roduce wildlife fo	orage through burni	ng, mowing, plan	ting, herbicide	, or othe
<u>Next S</u> Treatm												
Accent	<u>table</u> <u>1:</u>											
Regen <u>Other</u>												
Regen Other Comm		1										

Report 3 -- Treatments Atlanta Mgt. Unit Compartment: 39 S Year of Entry: 2024 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective CoverType Structure Name Density Age Range Type Cut d 25 54039025-NF 1.8 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 /2023 54039032-Cut 51-80 32 11.6 6112 - Lowland Sawtimber 61 Harvest Clearcut with 6112 - Lowland Even-Aged No Retention Aspen Well Aspen Prescription Clear-cut with retention. Specs: Retain cedar pocket and its surrounding edge at the west edge of the stand. Include the legacy pine to the northeast of the cedar pocket in the retention. Protect seep area north and central to the stand and any other seeps found during timber sale prep. Include proper grouse spec. Include sale specs to protect recreation trails and their users. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir, spruce, paper birch, and/or white pine. Regen: Other The presence of wet areas may cause this treatment to be substantially smaller in size. Comment: Site Condition Proposed Start Date: 10/1 /2023 54039035-NF 3.9 3102 - Grass Nonstocked 310 -NonForestMgt Herbaceous/Crop No 35 /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 /2023

S t			Adama	Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartmen Year of Entry		DNR
a n d	Treatn Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
36	540390	036-NF	1.6	3102 - Grass	Nonstock	ed		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
-					ongoing rota	ational b	oasis to pr	oduce wildlife fo	rage through burnir	ng, mowing, plan	ting, herbicid	e, or other
Spec	_	agriculti	ure practice	es.								
	<u>Step</u> tments:											
	ptable											
Rege												
<u>Othe</u> Com	<u>r</u> ment:											
Site (Conditio	n										
Prop	osed Sta	<u>art Date:</u>	10/1 /202	3								
38		9038- CR	23.5	4130 - Aspen	Sapling Well	2	lmmatu re	Harvest	Clearcut with Retention	4130 - Aspen	Even-Ageo	l No
<u>Prese</u> Spec		and fir.	Do not cut		nite oak, if pr				edar stands to redu Stumps within 5 fe			
		nusn wi	ui giouna c	o o leet above gi	iouna.							
	<u>Step</u> tments:											
Treat	tments: ptable											
Treat Acce Rege Othe	tments: ptable en: r								Acceptable regenera	ation is any comb	bination of oa	k, fir, pine
<u>Acce</u> <u>Rege</u> <u>Othe</u> <u>Com</u>	tments: ptable en: r ment:	red map		due to potential n resulting in a m					Acceptable regenera	ation is any comb	bination of oa	k, fir, pine
<u>Acce</u> <u>Rege</u> <u>Othe</u> <u>Com</u>	tments: ptable en: <u>r</u> ment: Conditio	red map o <u>n</u>		n resulting in a m					Acceptable regenera	ation is any comb	bination of oa	k, fir, pine
<u>Treat</u> <u>Acce</u> <u>Rege</u> <u>Othe</u> <u>Com</u>	tments: ptable en: r ment: Conditio osed Sta 5403	red map o <u>n</u>	ole or aspe	n resulting in a m					Acceptable regenera	ation is any comb 4121 - Oak, Aspen	bination of oa	
Treat Acce Rege Othe Com Site (Prop 60	tments: ptable m: r ment: Conditio osed Sta 54039 CC cription	red map n art Date: 9048- CR Leave 3	10/1 /201 41.1 3-10% of sta	n resulting in a m 6	Sapling Well ntion, adjace	ell stock	Immatu re ackson La	Harvest ke Campground	Clearcut with Retention	4121 - Oak,	Even-Ageo	i No
Treat Acce Rege Othe Com Site (Prope 60 Prese Spec Next	tments: ptable m: r ment: Conditio osed Sta 54039 CC cription	red map on art Date: 9048- CR Leave 3 standar	10/1 /201 41.1 41.1 3-10% of sta d trail spec	n resulting in a m 6 4130 - Aspen and area as reter	Sapling Well ntion, adjace pine regene	ell stock	Immatu re ackson La	Harvest ke Campground	Clearcut with Retention	4121 - Oak, Aspen	Even-Ageo	i No
Treat Acce Rege Othe Com Site (Prop 60 Press Spec Next Treat Acce	tments: ptable m: Conditio osed Sta 54038 CC cription s: Step tments: ptable	red map n art Date: 9048- CR Leave 3 standar Monitor	10/1 /201 41.1 3-10% of sta d trail spec	n resulting in a m 6 4130 - Aspen and area as reter s. Protect white I Regen (Re-Inve	Sapling Well ntion, adjace pine regene entory)	3 aent to Ja ration d	Immatu re ackson La	Harvest ke Campground /est.	Clearcut with Retention	4121 - Oak, Aspen pine or white oa	Even-Agec	l No
Treat Acce Rege Othe Com Site (Prop 60 Press Spec Next Treat Acce Rege Othe	tments: ptable n: <u>r</u> ment: <u>Conditio</u> <u>osed Sta</u> <u>osed Sta</u> <u>cc</u> <u>cription</u> <u>sc</u> <u>Step</u> <u>tments:</u> <u>ptable</u> <u>en</u> :	red map <u>art Date:</u> 9048- CR Leave 3 standar Monitor Accepta	10/1 /201 41.1 3-10% of sta d trail spec ing, Natura able regene	n resulting in a m 6 4130 - Aspen and area as reter s. Protect white I Regen (Re-Inve eration is any con	Sapling Well ntion, adjace pine regene entory) nbination of	3 ent to Ja ration d	Immatu re ackson La uring han	Harvest ke Campground vest. aple and aspen r	Clearcut with Retention . Do not cut white	4121 - Oak, Aspen pine or white oa m or well stocked	Even-Ageo Ik, if present. d stand.	I No
Treat Acce Rege Othe Com Site (Prop 60 Press Spec Next Treat Acce Rege Othe Com	tments: ptable n: <u>r</u> ment: <u>Conditio</u> <u>osed Sta</u> <u>osed Sta</u> <u>cc</u> <u>cription</u> <u>sc</u> <u>step</u> <u>tments:</u> <u>ptable</u> <u>en:</u> <u>r</u>	red map <u>n</u> <u>art Date:</u> 9048- CR Leave 3 standar Monitor Accepta Old ne stocked	10/1 /201 41.1 3-10% of sta d trail spec ing, Natura able regene	n resulting in a m 6 4130 - Aspen and area as reter s. Protect white I Regen (Re-Inve eration is any con	Sapling Well ntion, adjace pine regene entory) nbination of	3 ent to Ja ration d	Immatu re ackson La uring han	Harvest ke Campground vest. aple and aspen r	Clearcut with Retention . Do not cut white esulting in a mediur	4121 - Oak, Aspen pine or white oa m or well stocked	Even-Ageo Ik, if present. d stand.	I No

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Atlanta Mgt. Unit **Report 3** -- Treatments Compartment: 39 S Year of Entry: 2024 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective Density Structure Name CoverType Age Range Type Cut d 50 54039050-NF 2.0 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 /2023 38.9 330 - Low-Density 54039051-4191 - Mixed 51 Nonstocked Immatu Harvest Shelterwood with Two-Aged No Retention Upland SheltR Trees re . Deciduous with Conifer Prescription Shelterwood mix of red pine, white pine and oak using average tree height spacing. Favor leaving large diameter stems. Harvest most tops, Specs: encourage scarification during harvest. Leave 3-10% of stand area as retention, including aspen and maple. Use standard trail specs. Stumps within 5 feet of recreation trail must be either cut flush with ground or 5 feet above ground. SitePrep, Scarification; Pesticide, (Inactive)Skidder/Mechanical; Burn, Understory Next Step Treatments: Acceptable regeneration is a medium to well stocked stand consisting primarily of red pine, white pine and oak. Acceptable Regen: Old next step comments: Burn, herbicide and/or scarify as needed to prepare seedbed and reduce excessive competition from maple or Other aspen. Acceptable regeneration is a medium to well stocked stand consisting primarily of red pine, white pine and oak. Comment: Site Condition Proposed Start Date: 10/1 /2015 52 54039052-NF 3.0 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 /2023

S t		Atlanta	Mgt. Unit		Repo	rt3 1	Freatments		Compartmen Year of Entr		DNR DNR
	tment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
54 54039	054-Cut	39.6	4130 - Aspen	Poletimbe Well	er 50	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
Prescription Specs: Next Step Treatments Acceptable Regen: Other Comment:	Do not of Mark the Mark leg A few w Protect Include Include Monitori	cut any whi e pocket of gacy, red p hite pine w oak and pi the grouse sale specs ng, Natura ble regene e white pin	ite pine or white of f legacy pine in S ine, white pine, a vill need to be cut ne regeneration. e log spec. for protecting the l Regen (Re-Inve eration is any med e will need to be	bak for the p W corner ou Ind oak for r for maneuv e recreation entory) dium to well cut for opera	ut of the etentior erability trails an stocked ational r	sale. n. n, mark to nd their us d mix of as maneuver	cut. sers. spen, red maple ability; mark to c	, balsam fir, oak, ar		north to suplic	ibt
Site Condit				Nonstocke	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
Prescription Specs: Next Step Treatments Acceptable Regen: Other Comment: Site Condit Proposed S	agricultu	ire practice	es.	ongoing rota	ational b	oasis to pr	oduce wildlife fo	orage through burnin	ng, mowing, plan	ting, herbicide	e, or other
60 54039	060-Cut	17.1	4130 - Aspen	Sapling Well	3	Immatu re	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<u>Specs:</u> <u>Next Step</u> <u>Treatments</u>	shorelin variance Monitori <u>:</u>	e, and rete e is being p ng, Natura	ention needed to a	address visu he approved entory)	ual conc d treatm	erns. Pro ent not be	etect all pine and bing compatible	rcent due to retentio d oak regeneration t with the actual stan	to promote future		
<u>Other</u> <u>Comment:</u> Site Condit	Use trai	l protectior	n specs and poss	ibly place eo	ducatior	nal materia	als in campgrou	nd during harvest.			

S t		Atlanta	Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartmer Year of Entr	/	DNR DNR
a n Treatr d Nar		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
61 540390)61-Cut	13.4	4133 - Aspen, Mixed Pine	Poletimbe Medium		1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Prescription	Clear-c	ut with rete	ntion.								
<u>Specs:</u>	Retain	any legacy	oak or pine prese	ent.							
	Include	the grouse	e log spec.								
	Include	sale spece	s for protecting the	e recreation	trails a	nd their u	sers.				
<u>Next Step</u> <u>Treatments:</u>	Monitor	ing, Natura	al Regen (Re-Inve	ntory)							
<u>Acceptable</u> <u>Regen:</u>	Accepta	able regene	eration is any mix	of medium	to well s	stocked a	spen, red maple	e, white pine, and/or	oak.		
<u>Other</u> Comment:	Retenti	on has alre	ady been marked	out of the	sale. A	dditional r	etention could b	e marked out east o	of the oil well.		
<u>oomnont.</u>	Do not	leave trees	along the edges	of adjacent	planted	l stands.					
Site Conditio	<u>on</u>										
Proposed St	art Date:	10/1 /202	23								
66 54039	066-NF	3.3	3102 - Grass	Nonstock	ed		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
				ongoing rota	ational k	oasis to pr	oduce wildlife fo	orage through burni	•	ting, herbicide,	or other
Specs:	agricult	ure practic	es.								
<u>Next Step</u> Treatments:											
<u>Acceptable</u> <u>Regen:</u>											
Other											
<u>Comment:</u>											
Site Condition	_	10/1 /202	23								
67 5403	9067- CR	6.4	6117 - Lowland Deciduous, Mixed	Poletimbe Well	er 90	51-80	Harvest	Clearcut with Retention	6130 - Fir, Aspen, Maple	Even-Aged	No
						ould be re	presentative of	what is being harve	sted and not sim	ply a lowland b	orush
Specs:		•	all red pine, white		edar.						
<u>Next Step</u> <u>Treatments:</u>	Monitor	ing, Natura	al Regen (Re-Inve	ntory)							
<u>Acceptable</u> <u>Regen:</u>	Accepta	able regene	eration is a mediu	m to well st	ocked s	tand of re	d maple, spruce	e, fir or aspen.			
<u>Other</u> Comment:	volume	. This treat	ment will likely fall	of prescrib	ed acre	age by m	ore than 25%, c	of stand 62, due to due to wet condition n to well stocked sta	s. Fall leaf-off co	nditions recom	mended
Site Condition	<u>on</u>										
Proposed St	art Date:	10/1 /201	15								

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Report 3 -- Treatments

Compartment: 39



n <u>Treatment</u> <u>Acceptable</u> regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail spees. Stumpts within 5 feet of recreation trail must be either out flush with ground or 5 feet above ground. <u>Acceptable</u> <u>Acceptable</u> <u>Acceptable</u> <u>Reservice</u> <u>Acceptable</u> <u></u>	S t		Addin	a mgi. Onit		керо	11.5 1	reatments		Compartmen Year of Entry		
CR Jack Pine Well Retention Jack Pine Prescription Insult with ground of Steat above ground. Well Stages Lawer 3-10% of steat above ground. The state stead is a transmission of steat above ground. The state stead is a transmission of pine, maple spruce and fir resulting in a medium or well stocked stand. Plant jack pine if natural regeneration fails. Velocitient State State S			Acres								-	Habit Cut
Space: flush with ground or 5 feet above ground. Vext Step Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, (Inactive)Aerial Secondation Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Plant jack pine if natural regeneration fails. Old next step comments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail specs, Plant jack pine if natural regeneration fails. Site Condition Old next step comments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail specs, Plant jack pine if natural regeneration fails. Site Condition CCR Jack Pine Well re Referencion Aspen Mix Prescription Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Secondation Secondation Cock Jack Pine Well re Referencion Aspen Mix Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Secondation Secondation Core Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Secondati			5.0			er 90	81-110	Harvest			Even-Aged	No
Treatments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Plant jack pine if natural regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail spece. Plant jack pine if natural regeneration fails. 20th ext step comments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail spece. Plant jack pine if natural regeneration fails. 20th ext step comments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail spece. Plant jack pine if natural regeneration fails. 20th ext step comments: Acceptable regeneration is any combination of pine, maple spruce and specific (inactive) Aerial 20th ext step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. 20th ext step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. 20th ext step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. 20th ext step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. 20th ext step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine.	Prescription Specs:					tops. U	lse standa	rd trail specs.	Stumps within 5 fee	et of recreation tra	il must be eith	ier cut
Bagen: natural regeneration fails. Old next step comments: Acceptable regeneration is any combination of pine, maple spruce and fir resulting in a medium or well stocked stand. Use standard trail specs. Plant jack pine if natural regeneration fails. Proposed Start Date: 10/1 /2015 Bagen: Leave 3.10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Prescription Leave 3.10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Stace Leave 3.10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Stace Leave 3.10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Stace Leave 3.10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Stace Leave 3.10% of stand area as retention. Sile Prep. Trenching; Planting, initial Plant; Pesticide, (Inactive)Aerial Cornment: Core mediate: Sile Prep. Trenching; Planting, initial Plant; Pesticide, (Inactive)Aerial Stace Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stace Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. State Condition 200 Clear-cut itith retention. Stace <td><u>Next Step</u> Treatments:</td> <td>Monitorin</td> <td>g, Natu</td> <td>ral Regen (Intermed</td> <td>diate); Site</td> <td>ePrep, 1</td> <td>Frenching;</td> <td>Planting, Initi</td> <td>al Plant; Pesticide</td> <td>e, (Inactive)Aerial</td> <td></td> <td></td>	<u>Next Step</u> Treatments:	Monitorin	g, Natu	ral Regen (Intermed	diate); Site	ePrep, 1	Frenching;	Planting, Initi	al Plant; Pesticide	e, (Inactive)Aerial		
Comment: stand. Use standard trail specs. Plant Jack pine if natural regeneration fails. Site Condition Proposed Start Date: 10/1 /2015 B3 54039083. 5.2 4220 Natural Sapling 3 Immatu Harvest Clearcut with 4311 - Pine, Even-Aged No Prescription Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Specs. Vest Step. Monitoring, Natural Regen (Intermediate): SitePrep, Trenching: Planting, Initial Plant: Pesticide, (Inactive)Aerial Corder Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition Proposed Start Date: 10/1 /2015 Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition Toposed Start Date: 10/1 /2015 B4 54039064-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with tetention. Specs: Protect the coak and pine regeneration to promote future stand diversity. Include sale specs for protecting the recreation trails and their users. </td <td>Acceptable Regen:</td> <td></td> <td></td> <td></td> <td>bination of</td> <td>pine, m</td> <td>aple sprud</td> <td>e and fir result</td> <td>ing in a medium or</td> <td>well stocked stand</td> <td>d. Plant jack </td> <td>pine if</td>	Acceptable Regen:				bination of	pine, m	aple sprud	e and fir result	ing in a medium or	well stocked stand	d. Plant jack	pine if
Proposed Start Date: 10/1 / 2015 83 \$4039083. 5.2 42220 - Natural Spling 3 Immatu re Harvest Retention Aspen Mix Aspen Mix Even-Aged Not Retention Prescription Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Prescription Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Prescription Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, (Inactive)Aerial Pageareration fails, plant jack pine. Regen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition Proposed Start Date: 101 / 12015 Even-Aged Not Quand Deciduous Well Not Quand Deciduous Well Site Condition Prescription Clear-cut with retention. See Site Prescription You Page Page Page Page Page Page Page Page	<u>Other</u> Comment:								maple spruce and	fir resulting in a m	edium or well	stocked
33 54039083. 5.2 42220 - Natural Sapling 3 Immatu Harvest Clearcut with 4311 - Pine, Even-Aged No Prescription Tescription CCR Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Seacs. Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, (Inactive)Aerial Acceptable Testments; Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition 2roposed Start Date; 10/1 /2015 Even-Aged No 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with faile and acceptable regeneration is a medium to well stocked stand presentative. Retention Mixed Upland Deciduous Proposed Start Date; 10/1 /2015 Even-Aged No Retention Mixed Upland Deciduous Prescription Clear-cut with retention. Propect the oak and pine regeneration to promote future stand diversity. Include start propectis and where they exist.												
CCR Jack Pine Well re Retention Aspen Mix Prescription Leave 3-10% of stand area as retention. Chip most tops. Okay to manage with stand 86. Secost. Monitoring, Natural Regen (Intermediate): SitePrep, Trenching: Planting, Initial Plant, Pesticide, (Inactive)Aerial Ireatments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stepen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stepen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stepen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stepen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Stepen: Old next step Condition Proposed Start Date: 101 / 2015 Retain legacy trees if and where they exist. Protect the oak and pine regeneration to promote future stand diversity. Include sale specs for protecting the recreation trails	•				Sopling	2	Immotu	Harvast	Cloarout with	4211 Dino	Even Aged	N
Specs: Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, (Inactive)Aerial Acceptable Regent: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Other Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Other Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Site Condition Proposed Start Date: 10/1 /2015 Parescription Clear-cut with retention. Specs: Place retention around large crowned oak while making the retention stand representative. Retain legacy trees if and where they exist. Protect the oak and pine regeneration to promote future stand diversity. Include the grouse log spec. Include sale specs for protecting the recreation trails and their users. Vext Step Sterestite Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable regeneration is any medium to well stocked mix of aspen, oak, red maple, white pine, and jack pine. Stegen: Step Condition	C	CR		Jack Pine	Well		re		Retention		Lven-Ageu	INC
Treatments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Other Step comments: Acceptable regeneration fails, plant jack pine. Other regeneration fails, plant jack pine. Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural comment regeneration fails, plant jack pine. Site Condition Proposed Start Date: 10/1 /2015 Proposed Start Date: 10/1 /2015 Exercision Clear-cut with retention. Specs: Place retention around large crowned oak while making the retention stand representative. Retain legacy trees if and where they exist. Protect the oak and pine regeneration to promote future stand diversity. Include sale specs for protecting the recreation trails and their users. Nontioring, Natural Regen (Re-Inventory) Treatments: Acceptable regeneration is any medium to well stocked mix of aspen, oak, red maple, white pine, and jack pine. Ster Ster Ster Ster Ster Ster Retain legacy trees if and where they exist. Protect the oak and pine regeneration to promote future stand diversity. Include sale specs for protecting the recreation trails and their users. Next Step Acceptabl	Prescription Specs:	Leave 3-	10% of :	stand area as reten	tion. Chip	most to	ps. Okay	/ to manage wi	th stand 86.			
Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural regeneration fails, plant jack pine. Chereica Condition Croposed Start Date: 10/1/2015 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with 4199 - Other Even-Aged Not Upland Deciduous Well Clear-cut with retention. Prescription Clear-cut with retention. Protect the cak and pine regeneration to promote future stand diversity. Include the grouse log spec. Include sale specs for protecting the recreation trails and their users. Next Step Kext Step	<u>Next Step</u>		g, Natu	ral Regen (Intermed	diate); Site	ePrep, T	Frenching;	Planting, Initi	al Plant; Pesticide	e, (Inactive)Aerial		
Ragen: Old next step comments: Acceptable regeneration is a medium to well stocked stand of mixed pine, spruce and aspen. If natural Comment: regeneration fails, plant jack pine. Site Condition Proposed Start Date: 10/1 /2015 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with A199 - Other Even-Aged Upland Deciduous Well 102 51-80 Harvest Clearcut with A199 - Other Even-Aged Net Upland Deciduous Well Clear-cut with retention. Prescription Clear-cut with retention. Protect the coak and pine regeneration to promote future stand diversity. Net The Start Date: 1 and where they exist. Protect the oak and pine regeneration to promote future stand diversity. Include the grouse log spec. Include sale specs for protecting the recreation trails and their users. Vext Step Monitoring, Natural Regen (Re-Inventory) Acceptable Acceptable regeneration is any medium to well stocked mix of aspen, oak, red maple, white pine, and jack pine. Step Condition Ste Condition Ste Condition Ste Condition			le reger	peration is a mediur	m to well st	ocked s	stand of mi	xed nine spru	ce and aspen. If na	tural regeneration	fails plant iac	k nine
Comment: regeneration fails, plant jack pine. Site Condition Proposed Start Date: 10/1 /2015 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with Retention 4199 - Other Mixed Upland Deciduous Even-Aged No Prescription Specs: Clear-cut with retention. Deciduous Well 02 Deciduous	Regen:	, 1000p100	ie regei					xou piño, opru		and regeneration	iano, plant jac	n pino.
Site Condition Proposed Start Date: 10/1 /2015 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with A199 - Other Mixed Upland Deciduous Well Notes and the second text of the second text of the second text of the second text of tex	<u>Other</u> Comment [.]				ole regenera	ation is	a medium	to well stocked	d stand of mixed pir	ne, spruce and as	pen. If natura	l
Proposed Start Date: 10/1 /2015 84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with Mixed Upland Deciduous Even-Aged Not Upland Deciduous N		U		, Franc Jacor Frine,								
84 54039084-Cut 18.4 4199 - Other Mixed Sawtimber 102 51-80 Harvest Clearcut with Mixed Upland Deciduous Ketention Mixed Upland Deciduous Nother Mixed Upland Deciduous Nother Mixed Upland Deciduous Deciduous Deciduous Nother Mixed Upland Deciduous Nother Mixed Upland Deciduous Nother Mixed Upland Deciduous Deciduous Deciduous Nother Mixed Upland Deciduous Nother Mixed Upland Deciduous Deciduous Deciduous Deciduous Nother Mixed Upland Deciduous			10/1 /20)15								
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Include the grouse log spec. Include sale specs for protecting the recreation trails and their users. Next Step Treatments: Acceptable Regen: Dther Comment: Site Condition		Retain le	gacy tre	es if and where the	y exist.							
Include sale specs for protecting the recreation trails and their users. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Acceptable Acceptable regeneration is any medium to well stocked mix of aspen, oak, red maple, white pine, and jack pine. Regen: Dther Comment: Site Condition		Protect th	ne oak a	nd pine regeneration	on to prome	ote futur	e stand di	versity.				
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Regen: <u>Other</u> <u>Comment:</u> <u>Site Condition</u>	<u>Next Step</u> Treatments:		g, Natu	ral Regen (Re-Inver	ntory)							
Comment: Site Condition	Acceptable Regen:	Acceptab	le reger	neration is any med	lium to well	stocke	d mix of as	spen, oak, red	maple, white pine, a	and jack pine.		
	<u>Other</u> Comment:											
Proposed Start Date: 10/1 /2023	Site Conditio	<u>on</u>										
	Proposed St	art Date:	10/1 /20)23								

S t		Atlanta	Mgt. Unit		Repoi	rt3 ⁻	Freatments		Compartmen Year of Entry	/	DNR
a n Treat d Na		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	89086- CR	5.7	42220 - Natural Jack Pine	Sapling Well	3	Immatu re	Harvest	Clearcut with Retention	42320 - Upland Spruce	Even-Aged	No
Prescription Specs:	Leave	3-10% of st	and area as retent	ion. Chip r	nost top	os. Okay	to manage wit	h stand 83.			
<u>Next Step</u> Treatments:		ring, Natura	al Regen (Intermed	liate); Site	Prep, T	renching;	Planting, Initi	al Plant; Pesticide	, (Inactive)Aerial		
<u>Acceptable</u> <u>Regen:</u>	Accept	able regene	eration is a mediun	n to well ste	ocked s	tand of m	ixed pine, sprud	ce and aspen. If na	tural regeneration	fails, plant jac	k pine.
<u>Other</u> Comment:			mments: Acceptab plant jack pine.	le regenera	ation is a	a medium	to well stocked	d stand of mixed pir	ne, spruce and as	pen. If natural	
Site Conditi											
Proposed S	tart Date	<u>:</u> 10/1 /201	15								
	89087- CR	9.8 L	4191 - Mixed Ipland Deciduous with Conifer	Sawtimbe Medium		1-50	Harvest	Clearcut with Retention	4123 - Red Oak	Even-Aged	Nc
Prescription Specs:			and area as retent h ground or 5 feet			ainage.	Use standard t	rail specs. Stumps	within 5 feet of re	ecreation trail n	nust be
<u>Next Step</u> Treatments:		ring, Natura	al Regen (Intermed	liate)							
Acceptable Regen:	Accept	able regene	eration is any com	pination of	oak, ası	oen, pine	and red maple	resulting in a mediu	um or well stocked	d stand.	
<u>Other</u> Comment:		ext step cor d stand.	mments: Acceptab	le regenera	ation is a	any comb	ination of oak, a	aspen, pine and rec	d maple resulting i	in a medium or	well
Site Conditi	on										
Proposed S	tart Date	<u>:</u> 10/1 /201	15								
	39091- CR	17.1	4130 - Aspen	Sapling Well	3	lmmatu re	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
Prescription Specs:	Leave	3-10% of st	and area as retent	ion. Use s	standaro	d trail spe	cs.				
<u>Next Step</u> Treatments:		ring, Natura	al Regen (Intermed	liate)							
Acceptable Regen:	Accept	able regene	eration is any com	pination of	oak, ası	oen, pine	and red maple	resulting in a mediu	um or well stocked	d stand.	
<u>Other</u> Comment:		ext step cor d stand.	mments: Acceptab	le regenera	ation is a	any comb	ination of aspe	n, oak, pine and rec	l maple resulting i	in a medium or	well
Site Conditi	<u>on</u>										
Proposed S	tart Date	<u>:</u> 10/1 /201	15								

Specs: V Next Step M Treatments: M Acceptable M Regen: D Other D Comment: s' Site Condition Proposed Start 102 540391 CCR Prescription L	197- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 1987- 19.5 100- 10.1 102- 8.2 102- 8.2 102- 8.2 102- 8.2 102- 8.2	e to potential greer ack pine, predomin	Density Poletimbe Well tion. Chip t ng natural ro diate) ural jack pin n-up conflict	er 55 tops. egeneration ne with . Old ppresse	ation inste deciduou next step	ead of planting ja s components. comments: Pla	ack pine. If natural regen fail nt jack pine. Acce			to well
Prescription L Specs: V Next Step M Treatments: M Acceptable M Regen: D Other D Comment: si Site Condition Proposed Start 102 540391 CCR Prescription L	A Leave 3-10% of s /ariance approve Monitoring, Natura Medium to well st Delay 5 years due tocked stand of j t Date: 10/1 /20 102- 8.2 A Leave 3-10% of s	Jack Pine tand area as reten d 11/20/18. Allowir al Regen (Intermed ocked stand of nat e to potential green fack pine, predomin 18 42220 - Natural	Well tion. Chip t ng natural re diate) ural jack pin ural jack pin nately unsu Poletimbe	ops. egenera ne with . Old ppresse	ation inste deciduou next step	dard trail specs, ad of planting ja s components. comments: Pla	Retention if needed. ack pine. If natural regen fail nt jack pine. Acce	Jack Pine, Mixed Deciduous s plant to red pine.		
Specs: V Next Step M Treatments: M Acceptable M Regen: D Other D Comment: s' Site Condition Proposed Start 102 540391 CCR Prescription L	/ariance approve /onitoring, Natura /ledium to well st Delay 5 years due tocked stand of j t Date: 10/1 /20 102- 8.2 ceave 3-10% of s	d 11/20/18. Allowir al Regen (Intermed ocked stand of nat e to potential green ack pine, predomin 18 42220 - Natural	ng natural n diate) rural jack pin n-up conflict nately unsu Poletimbe	ne with	ation inste deciduou next step	ead of planting ja s components. comments: Pla	ack pine. If natural regen fail nt jack pine. Acce			to well
Next Step M Treatments: M Acceptable M Regen: D Other D Comment: s' Site Condition Proposed Start 102 540391 CCR Prescription L	Aonitoring, Natura Aedium to well st Delay 5 years due tocked stand of j t <u>Date:</u> 10/1 /20 102- 8.2 R Leave 3-10% of s	al Regen (Intermed ocked stand of nat e to potential green ack pine, predomin 18 42220 - Natural	diate) ural jack pin n-up conflict nately unsu Poletimbe	ne with	deciduou next step	s components.	If natural regen fail nt jack pine. Acce			to well
Regen: Other D Comment: si Site Condition Proposed Start 102 540391 CCR Prescription L	Delay 5 years due tocked stand of j t <u>Date:</u> 10/1 /20 102- 8.2 R eave 3-10% of s	e to potential green ack pine, predomin 18 42220 - Natural	n-up conflict nately unsu Poletimbe	. Old ppresse	next step	comments: Pla	nt jack pine. Acce			to well
Other D Comment: s Site Condition Proposed Start 102 540391 CCR Prescription L	tocked stand of j <u>t Date:</u> 10/1 /20 1 02- 8.2 3 .eave 3-10% of s	iack pine, predomin 18 42220 - Natural	nately unsu Poletimbe	ppresse				ptable regeneration	n is a medium	to well
Site Condition Proposed Start 102 540391 CCR Prescription L	<u>t Date:</u> 10/1 /20 02- 8.2 R .eave 3-10% of s	18 42220 - Natural	Poletimbe		ed by dec	iduous regenera	ation.			
Proposed Start 102 540391 CCR Prescription L	.eave 3-10% of s	42220 - Natural		er 60						
102 540391 CCR <u>Prescription</u> L	.eave 3-10% of s	42220 - Natural		er 60						
				20		Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	N
		tand area as reten	tion. Chip t	tops.						
<u>Specs:</u> V	and the approve	d 11/20/18. Allow i			n instead	of planting jack	pine.			
<u>Next Step</u> M Treatments:	/onitoring, Natur	al Regen (Intermed	diate)							
<u>Acceptable</u> M <u>Regen:</u>	ledium to well st	ocked jack pine wi	th deciduou	is comp	oonents. I	f natural regen f	ails then plant to re	ed pine.		
Comment: w	vith jack pine see		ine. Accep				rn, herbicide and/oi to well stocked stai			npetitio
Site Condition										
Proposed Start	<u>t Date:</u> 10/1 /20	18								
103 54039103	3-Cut 9.8	42210 - Natural Red Pine	Sawtimbe Well	er 75	111- 140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Ν
Prescription C Specs:	Clear-cut.									
<u>Next Step</u> M <u>Treatments:</u>	/lonitoring, Natura	al Regen (Re-Invei	ntory)							
<u>Acceptable</u> A <u>Regen:</u>	Acceptable regen	eration is any med	ium to well	stocke	d mix of re	ed maple, oak, a	aspen, jack pine, w	hite pine, and/or re	ed pine.	
<u>Other</u> R <u>Comment:</u>	Retention is not n	ecessary due to th	e small size	e of the	stand.					
	nclude the 1 acre	e aspen inclusion p	ocket north	of the	wildlife op	pening in the har	rvest.			
В	Be sure to harves	t all trees along the	e north edg	e of the	stand for	opening up the	planted red pine in	n the stand to the r	north to sunligh	ıt.
Site Condition										
Proposed Start	<u>t Date:</u> 10/1 /20	23								

S t			Atlanta	Mgt. Unit	I	Repoi	rt 3 1	Freatments		Compartmer Year of Entr		DNR DNR DURO
a n d	Treatn Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
124	540391	24-Cut	82.3	4130 - Aspen	Sawtimbe Well	r 59	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-		Clear-cu	ut with reter	ntion.								
Spece	<u>s:</u>	Protect	pine and oa	ak regeneration.								
		Protect	any legacy	trees if and where	e present.							
		Include	proper grou	use/hare spec.								
		Include	sale specs	to protect recreat	ion trails ar	id their	users.					
<u>Next S</u> Treatr	<u>Step</u> ments:	Monitori	ing, Natural	l Regen (Re-Inver	ntory)							
<u>Accep</u> <u>Rege</u> i		Accepta red pine	0	ration is any medi	um to well	stocked	d mix of as	spen, oak, red m	naple, balsam fir, w	hite pine, jack pi	ne, black cher	rry, and/or
<u>Other</u> <u>Comn</u>		Consult	with the ar	cheologist for pos	sible conflic	cts with	historical	sites.				
Site C	Conditio	<u>n</u>										
Propo	osed Sta	art Date:	10/1 /202	3								

Total Treatment 507 Acreage Proposed:

Dale Parris : Examiner

Compartment: 39 Year of Entry: 2024

Availability for Management

	•	•										
Total	Acres	Acres Avail	Acres	E	Domina	nt Site	e Con	dition	s			
Acres	Available	With Condition	Not Available		21	5C	2G	2H	ЗA	3D	5A	5E
574	482	90	2	Aspen	40	50			0			2
36	0	0	35	Cedar			20				15	0
60	60	0	0	Herbaceous Openland		0						
169	167	0	2	Jack Pine								2
43	42	0	1	Low-Density Trees								1
15	14	0	1	Lowland Aspen/Balsam Poplar								1
81	6	0	75	Lowland Conifers			74					1
8	8	0	0	Lowland Deciduous								0
35	35	0	0	Lowland Shrub								
69	0	0	69	Lowland Spruce/Fir			69					
14	14	0	0	Marsh								0
230	181	41	8	Mixed Upland Deciduous		41						8
21	21	0	0	Natural Mixed Pines								
5	5	0	0	Northern Hardwood								
164	9	98	57	Oak		98		3	40	10		4
255	152	37	67	Red Pine		37			59			7
3	3	0	0	Treed Bog								
4	2	0	2	Upland Conifers							2	
46	2	40	4	Upland Mixed Forest		40				3		1
31	31	0	0	Urban								0
23	23	0	0	Water								
1,886	1,256	305	325	Total Forested Acres	40	266	163	3	100	13	17	28
	67%	16%	17%	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.

Site Dominant Site No. Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1 Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Sale N	lo. 54-039-14-01; Sale Name:	: Blind So	quirrel			

		tlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	nditions	Compartment: 39 Year of Entry: 2024		
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Shelterwooded in 1	996. In process of regeneration						
3	Unavailable	3A: Conservation Values incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: A proposal is being	made to make this part of an E	RA.					
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: This is long term re	tention for the stand to the east						
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	61	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
7	Comments: Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified	

Report 4 – Site Conditions

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8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	53	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Unavailable	3D: Recreational / Scenic values	13	3J: Water quality / BMPs (stream, river, or lake)	3G: Other Influence zones - See comments	Unspecified	Unspecified
	Comments: Jackson Lake, Jacl	kson Lake Campground and M-	33 trav	vel corridor.			
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Oak management o wood.	on medium quality oak site per J	lune 2	000 MDNR Oak Guidance.	Repeatedly thin to 90 BA u	intil the DBH reaches 16 i	nches. Then shelter-

Report 4 – Site Conditions

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14	Unavailable	1A: Federal/State/Local Law	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
15	Unavailable	3A: Conservation Values incompatible with harvest at this time	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: A proposal is being	g made to make this part of an E	RA.				
16	Unavailable	3A: Conservation Values incompatible with harvest at this time	39	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: A proposal is being	nade to make this part of an E	RA.				
17	Unavailable	3A: Conservation Values incompatible with harvest at this time	40	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: A proposal is being	nade to make this part of an E	RA.				
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention for Sale	No. 54-039-14-01; Sale Name:	Blind So	quirrel			

		Atlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	ditions	Compartment: 39 Year of Entry: 2024		
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified	
С	comments:							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	comments: This is long term re	etention for Timber Sale No.: 54-	-015-17-0	1; Timber Sale Name: Ja	ackson Lake Mix			
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	comments: Retention for Sale	No. 54-039-14-01; Sale Name: I	Blind Squi	rrel				
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
С	comments:							
24	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified	
	omments:							
С	onnients.							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified	
25		age/size class diversity or	14	Unspecified	Unspecified	Unspecified	Unspecified	
25	Available	age/size class diversity or	14	Unspecified	Unspecified	Unspecified	Unspecified	

Compartment: 39 Year of Entry: 2024		
Unspecified		
Unspecified		
Unspecified		
Unspecified		
Unspecified		
Unspecified		

		Atlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	nditions	Compartment: 39 Year of Entry: 2024		
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified	
C	Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified	
C	Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	50	Unspecified	Unspecified	Unspecified	Unspecified	
C	Comments:							
37	Available	2I: Survey needed	40	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Further investigation	on of records/on the ground is ne	eeded t	o determine whether a surv	vey is necessary.			
57	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified	
C	Comments:							
58	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified	
(Comments:							

Report 4 – Site Conditions

Compartment: 39

Dale Parris : Examiner

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61	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is long-term re Sale Name: Jackso	etention from Timber Sale No.: 5 on Lake Mix	64-015	-17;			
62	Unavailable	5E: Long-Term Retention	1		3G: Other Influence ones - See comments	3D: Recreational / Scenic values	Unspecified
	Comments: Jackson Lake, Jack Sale Name: Jackso	kson Lake Campground and M- on Lake Mix	33 trav	vel corridor. This is long-term i	retention from Timber Sa	ale No.: 54-015-17;	
63	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
64	Unavailable	5E: Long-Term Retention	2		3G: Other Influence ones - See comments	3D: Recreational / Scenic values	Unspecified
	Comments: Jackson Lake, Jacl Sale Name: Jackso	kson Lake Campground and M- on Lake Mix	33 trav	vel corridor. This is long-term i	retention from Timber Sa	ale No.: 54-015-17;	
65	Unavailable	5E: Long-Term Retention	2		3G: Other Influence ones - See comments	3D: Recreational / Scenic values	Unspecified
	Comments: Jackson Lake, Jacł Sale Name: Jackso	kson Lake Campground and M-3 on Lake Mix	33 trav	vel corridor. This is long-term i	retention from Timber Sa	ale No.: 54-015-17;	
66	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
67	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is long term re	tention for Timber Sale No.: 54-	015-1	7-01; Timber Sale Name: Jack	son Lake Mix		

		tlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	ditions	Compartment: 39 Year of Entry: 2024	
68	Unavailable	Unavailable 3A: Conservation Values incompatible with harvest at this time		Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
69	Unavailable	5A: Not able to obtain desirable regeneration	17	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
	Comments:						
70	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments:						
72	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
73	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is marked out	to be long term retention for the	harve	est to the south and east.			
74	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This is long term re	tention from Timber Sale Name	: Com	partment 39 RPP; Timber S	Sale No: 54-043-09-01		

		tlanta Mgt. Unit Parris : Examiner		Report 4 – Site Cor	ditions	Compartment: 39 Year of Entry: 202	
75	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						



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

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

SCA Name SCA Category Detail Type Recommendation Acres

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen or stocked trout populations and those of other coldwater fish s year to year. Coldwater streams in Michigan typically provide contributions of groundwater to their stream flows. Such stre designated as trout resources by Fisheries Order 210.	species (e.g., slimy sculpin) to persist from e these conditions due to substantial

Report 7 – Stands



Sour

tan	d Level 4 Co			ze De			Stand Age B	-	Managed S		General Comments				
1	4123 -	Red Oak	Sa		er Well	37.7	101	51-80	N/A		This stand had an aspen/red maple species removal harvest that resulte $_{\rm l}$ in a two age stand. The second growth has been shaded out and are				
	Canopy Species		Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stunted due to lack of sunlight. The retained BA is highly variable, and				
	White Pine	8	Log/XLog	16		Bigto	Bigtooth Aspen Medium	>20 feet	Sapling	highest (50-80) in the southern half of the stand. Retained BA is less					
	Red Pine	5	XLog/Log	20		Wh	nite Pine	Medium	Variable	Sapling	han 50 in the northern half of the stand. All trees with a merchantable stick were harvested from this stand with the exception of oak, red pine,				
	Balsam Fir	2	Pole/Sapling	6		Re	d Maple	High	>20 feet	Sapling	white pine, and cedar in Timber Sale Name: Roadside Park Block; Sale				
	Red Oak	45	Log	14	101	Ba	lsam Fir	Medium	Variable	Sapling	No: 54-001-90-01 that was closed out in July of 1991.				
	White Oak	15	Log	13											
	Red Maple	5	Pole/Sapling	5											
	Quaking Aspen	20	Pole/Sapling	5	30										
2	4191 - Mixed Upla Co	ınd Decidu nifer	ious with Sa	wtimb	er Well	51.3	101	111-140	N/A		2024 YOE Inventory BA Measurements: (120, 130, 120, 110). The aspen occur in pockets. Red pine and white pine tend to occur in				
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pockets also. This stand is part of Timber Sale Name: Jackson Lake Mix; Timber Sale Number: 54-0151-017-01 and has been prescribed for				
	Bigtooth Aspen	20	Log	13	95	Wh	nite Pine	Medium	Variable	Sapling	thinning to 80-90 BA with a removal of aspen and red maple.				
	White Pine	10	Log/XLog	16		Wł	nite Oak	Medium	Variable	Sapling					
	Red Pine	15	Log/XLog	16		Re	d Maple	Medium	10 - 20 feet	Sapling					
	Red Maple	5	Pole	9		Dogw	ood (spp.)	Low	5 - 10 feet	Tall Shrub					
	White Oak	20	Log	14							-				
3	4191 - Mixed Upla Co	nifer			er Well	10.0	85	51-80	N/A		The black/red oak are concentrated to the west with white oak found evenly throughout. The white pine are more dense to the west but are present throughout.				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size					
	Red Maple	25	Pole/Log	8		Wł	nite Oak	Medium	Variable	Sapling					
Bla	ack/Red (Hybrid) Oak	10	Log/Pole/XLog	15		Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub					
	White Oak	20	Log	15		Wh	nite Pine	Low	Variable	Sapling					
	Bigtooth Aspen	5	Log/XLog	16		Re	d Maple	Medium	Variable	Sapling					
	Red Pine	5	Log	15							-				
	White Pine	35	XLog/Log/Pole	18	85										
		_	nland		ocked	1.0					Well Pad Site				

1

35

3

61

5

4

1

5

85

20

31

20

29

10

5

3

2

2

60

3

15

% Cover Size Class

% Cover Size Class

% Cover Size Class

% Cover Size Class

XLoa/Loa/Pole

Loa

Log/XLog

Loa

Log

Pole/Loa

XLog

Loa

Log/XLog

Pole/Sapling

Pole/Sapling

Pole

Log

Sapling

Sapling

Sapling

Sapling

Sapling

Sapling

Sapling

Sapling

Size Density

Sawtimber Medium 24.4

102

DBH Age

18

14

16

14

Sawtimber Well

15

9

23

15

DBH Age

17 146

Poletimber Well

6

6

7

12

1

1

1

1

2

1

1

2

15

Sapling Well

DBH Age

DBH Age

36

36

99

Level 4 Cover Type

4124 - Red with White Oak

42210 - Natural Red Pine

4199 - Other Mixed Upland Deciduous

4119 - Mixed Northern Hardwoods

Canopy Species

White Pine

White Oak

Red Pine

Red Oak

Canopy Species

White Oak

Red Maple

White Pine

Red Oak

Red Pine

Canopy Species

Red Maple

Bigtooth Aspen

Black/Red (Hybrid) Oak

White Oak

Canopy Species

White Oak

Black/Red (Hybrid) Oak

White Pine

Red Pine

Jack Pine

Red Maple

Black Cherry

Bigtooth Aspen

Stand

5

6

7

8

Report 7 – Stands

1-50

Density

Full

Trace

Medium

Medium

141-170

Densitv

Low

I ow

Low

I ow

Medium

Density

Low

High

1 - 50

Immature

Acres Stand Age BA Range

102

Sub-Canopy Species

Red Maple

Red Pine

White Oak

White Pine

146

Sub-Canopy Species

Red Maple

White Oak

Black/Red (Hybrid) Oak

Witch Hazel

White Pine

Sub-Canopy Species

Witch Hazel

Red Maple

36

15

5.0

22.6

51

Managed Site

Avg. Height

10 - 20 feet

Variable

Variable

Variable

Avg. Height

Variable

Variable

Variable

N/A

N/A

N/A

Size

Sapling

Sapling

Sapling

Sapling

Size

Sapling

Sapling

Sapling

Compartment: 39 Year of Entry: 2024

nt: 39	DNR
ry: 2024	MICHIGAN
f pole size	aspen/etc in

With the exception of a 3 acre inclusion pocket of pole size aspen/etc in the SE corner of the stand, the aspen, red maple, and pine with a merchantable stick along with most oak under 8 inches DBH were harvested from the southern half of this stand as part of Timber Sale Name: Breakup Shelterwood; Timber Sale No: 54-021-94-01 that was closed out in May of 1997.

General Comments

With the exception of the west edge of this stand and the SE corner of this stand, all aspen, red maple, and pine with a merchantable stick were harvested from this stand as part of Timber Sale Name: Break-Up Shelterwood; Timber Sale Number 54-021-94-01 that was closed out in May of 1997.

The data on this stand was taken for a smaller area that fits tight to the edge of the natural red pine. The outer edges of this stand that surround the red pine are dominate to higher quality red/black hybrid oak that are older than the surrounding adjacent stands. This outer edge of oak should be maintained to protect the legacy type red pine in this stand. This is very tall and old red pine. This stand is filled with legacy type red pine.

5 - 10 feet Tall Shrub Variable Sapling N/A All trees with a merchantable stick with the exception of white oak were harvested from this stand (from 1984 to 1986) as part of Timber Sale Size Avg. Height Name: Many Trails Block; Timber Sale Number: 54-031-84-01. The 5 - 10 feet Tall Shru residual white oak are more dense in this stand than they are in the stand to the east. The log sized white oak are highly variable in age, even Sapling Variable among oak of similar diameter (somewhere in the range of 68 to 129 vears in march of 2022).

This stand was harvested as part of Timber Sale Name: Finger Pine II; Timber Sale No: 54-012-04-01 that was closed out in July 2008.

9	42110 - Plar	nted Red	Pine	Sawtimb	er Well	18.5	77	111-140	N/A	
	Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Cano	opy Specie	es Density	Avg. Height	Size
	Red Oak	10	Log/XLog	16		Whit	e Oak	Low	Variable	Sapling
	Red Pine	85	Log	14	77	Black/Red	(Hybrid) Oa	ak Low	Variable	Sapling
	White Oak	5	Log/XLog	16		Red	Maple	Full	10 - 20 feet	Sapling

2024 YOE Inventory BA Measurements: (180, 60, 90, 130, 100, 160, 170, 80, 110, 100, 130, 140). Legacy red oak and white oak are present. This stand was thinned to 120 BA as part of Timber Sale Name: Finger Pine II; Timber Sale No: 54-012-04-01 that was closed out in July

Report 7 – Stands

Compartment: 39 Year of Entry: 2024



Stand	Level 4 Co	over Type	S	ize Dens	sity	Acres Stand Age	e BA Range	Managed S	bite	General Comments		
10	310 - Herbace	eous Open	lland I	Nonstock	ked	0.9				Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 14-2 Permit No: 52109 MPSC No: 8727		
11	4130 - Aspen		Po	oletimber	Well	52.0 37	1-50	N/A		All trees with a merchantable stick were harvested from this stand (from		
(Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	1984 to 1986) as part of Timber Sale Name: Many Trails Block; Timber Sale Number: 54-031-84-01.		
	White Oak	2	Pole/Sapling	7		Red Maple	High	>20 feet	Sapling			
Black	k/Red (Hybrid) Oak	3	Pole/Sapling	7		White Oak	Medium	Variable	Sapling			
	Red Maple	8	Sapling/Pole	4		Black/Red (Hybrid)	Dak Trace	Variable	Sapling			
E	Bigtooth Aspen	87	Pole	6	37	White Pine	Low	Variable	Sapling			
12	3102	- Grass	I	Nonstock	ked	2.7		No		This is a good sized wildlife opening. Pine are seeding in along the edges.		
13	330 - Low-E	ensity Tre	es	Nonstock	ked	1.4		No		There is a nice crop of red maple covering about 35% of the stand. A handful of mature white oak and herbaceous openland make up the rest of the stand.		
13 14	330 - Low-E 42210 - Nati	-		Nonstock		1.4 22.5 77	111-140	No N/A		handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024		
14	42210 - Nati Canopy Species	ural Red P % Cover		awtimber DBH 4	Well		ies Density		Size	handful of mature white oak and herbaceous openland make up the rest of the stand.		
14	42210 - Nati	ural Red P	ine Sa	awtimber	Well	22.5 77		N/A	Size Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced		
14	42210 - Nati Canopy Species	ural Red P % Cover	ine Sa Size Class	awtimber DBH 4	Well	22.5 77 Sub-Canopy Spec	ies Density	N/A Avg. Height		handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine	ural Red P % Cover 11 5 2	ine Sa Size Class Log	awtimber DBH 4 11 9 15	Well	22.5 77 Sub-Canopy Spec White Oak	ies Density Medium High	N/A Avg. Height Variable	Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14	42210 - Nati Canopy Species White Oak Bigtooth Aspen	ural Red P % Cover 11 5	ine Sa Size Class Log Pole/Log	awtimber DBH <i>A</i> 11 9 15 14	Well	22.5 77 Sub-Canopy Spec White Oak Red Maple	ies Density Medium High	N/A Avg. Height Variable >20 feet	Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple	ural Red P % Cover 11 5 2 60 10	ine Sa Size Class Log Pole/Log Log	DBH A 11 9 15 14 12 12	Well	22.5 77 Sub-Canopy Spec White Oak Red Maple	ies Density Medium High	N/A Avg. Height Variable >20 feet	Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14	42210 - Nate Canopy Species White Oak Bigtooth Aspen White Pine Red Pine	ural Red P % Cover 11 5 2 60	ine Sa Size Class Log Pole/Log Log Log/XLog	awtimber DBH <i>A</i> 11 9 15 14	Well	22.5 77 Sub-Canopy Spec White Oak Red Maple	ies Density Medium High	N/A Avg. Height Variable >20 feet	Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P	ine Sa Size Class Log Pole/Log Log/XLog Log/XLog Log/XLog	DBH A 11 9 15 14 12 16	• Well	22.5 77 Sub-Canopy Spec White Oak Red Maple	ies Density Medium High	N/A Avg. Height Variable >20 feet	Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern		
14 E 15	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple Red Oak	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P	ine Sa Size Class Log Pole/Log Log/XLog Log/XLog Log/XLog	awtimber DBH 4 11 9 15 14 12 16	• Well	22.5 77 Sub-Canopy Spec White Oak Red Maple Black/Red (Hybrid) (ies Density Medium High Dak Low 81-110	N/A Avg. Height Variable >20 feet Variable	Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern half of the stand.		
14 E 15	42210 - Nation Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple Red Oak 4133 - Aspe	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P	ine Sa Size Class Log Pole/Log Log/XLog Log/XLog Log/XLog	DBH A 11 9 15 14 12 16 awtimber DBH	• Well	22.5 77 Sub-Canopy Spec White Oak Red Maple Black/Red (Hybrid) (10.1 55	ies Density Medium High Dak Low 81-110	N/A Avg. Height Variable >20 feet Variable	Sapling Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern half of the stand.		
14 E 15	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple Red Oak 4133 - Aspe Canopy Species	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P % Cover	ine Sa Size Class Log Pole/Log Log/XLog Log/XLog Cog/XLog Size Class	DBH A 11 9 15 14 12 16 awtimber DBH	· Well Age 77 · Well Age	22.5 77 Sub-Canopy Spec White Oak Red Maple Black/Red (Hybrid) (10.1 55 Sub-Canopy Spec	ies Density Medium High Dak Low 81-110 ies Density	N/A Avg. Height Variable >20 feet Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern half of the stand.		
14 E 15 E	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple Red Oak 4133 - Aspe Canopy Species Bigtooth Aspen	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P % Cover 66	iine Sa Size Class Log Pole/Log Log/XLog Log/XLog Log/XLog iine Sa Size Class Log/Pole	awtimber DBH 4 11 9 15 14 12 16 awtimber DBH 4 11	· Well Age 77 · Well Age	22.5 77 Sub-Canopy Spec White Oak Red Maple Black/Red (Hybrid) (10.1 55 Sub-Canopy Spec White Oak	ies Density Medium High Dak Low 81-110 ies Density Medium Full	N/A Avg. Height Variable >20 feet Variable N/A N/A Avg. Height Variable	Sapling Sapling Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern half of the stand.		
14 E 15 E	42210 - Nati Canopy Species White Oak Bigtooth Aspen White Pine Red Pine Red Maple Red Oak 4133 - Aspe Canopy Species Bigtooth Aspen White Pine	ural Red P % Cover 11 5 2 60 10 12 n, Mixed P % Cover 66 3	iine Sa Size Class Log Pole/Log Log/Log Log/XLog Log/XLog Log/XLog Size Class Size Class Log/Pole Log/Pole	awtimber DBH 4 11 9 15 14 12 16 wtimber DBH 4 11 11 17	· Well Age 77 · Well Age	22.5 77 Sub-Can>y Spec White Oak Red Maple Black/Red (Hybrid) (10.1 55 Sub-Can>y Spec White Oak Red Maple	ies Density Medium High Dak Low 81-110 ies Density Medium Full	N/A Avg. Height Variable >20 feet Variable N/A N/A Avg. Height Variable >20 feet	Sapling Sapling Sapling Size Sapling Sapling	handful of mature white oak and herbaceous openland make up the rest of the stand. About 1/3 of the red pine were 18 inches plus in DBH during the 2024 YOE Inventory. The red pine are of larger diameter and are more spaced out in the northern half of the stand. The oak are mostly in the northern half of the stand.		

Report 7 – Stands



E DNR

				Poletimber Well					D N/A		Seattored leager red pipe and white pipe are present	
16		spen, Oak						111-140			Scattered legacy red pine and white pine are present.	
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	All aspen, red maple, and pine with a merchantable stick were harveste	
	Red Maple	14	Pole/Log/Sap	· ·		Wł	hite Oak	Low	Variable	Sapling	from approximately 8 acres of the NW corner of this stand as part of	
	Red Oak	35	Log/Pole	10			94-01 t		Sapling	Timber Sale Name: Break-Up Shelterwood; Timber Sale Number 54-02 94-01 that was closed out in May of 1997.		
	White Oak	7	Log/Pole	12			ed Maple	Low	Variable	Sapling		
	White Pine	3	XLog/Log	18		Black/Re	d (Hybrid) Oak	Medium	Variable	Sapling		
	Bigtooth Aspen	41	Pole	8	55							
17	3102	- Grass	I	Nonsto	cked	2.1					Well Pad Site with Processing Facilities Riverside Energy Michigan, LLC (989) 705-7665 State Briley 4-11 Permit No: 51604 MPSC No: 8638	
18	122 - Road	d/Parking L	ot	Nonsto	cked	14.2			No		M-33	
19	4199 - Other Mixe	d Upland D	eciduous Sa	awtimb	er Well	8.3	84	51-80	N/A		This majority of this stand creates a buffer from windthrow for the cedar	
19	4199 - Other Mixe Canopy Species	•	Deciduous Sa		er Well Age		84 nopy Species	51-80 Density	N/A Avg. Height	Size	This majority of this stand creates a buffer from windthrow for the cedar stand within. There is a 1/2 acre pole sized aspen inclusion pocket in the east end of the stand.	
19		•				Sub-Ca	-			Size Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species	% Cover	Size Class	DBH 8 22		Sub-Ca Re	nopy Species	Density	Avg. Height		$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen	% Cover	Size Class Pole	DBH 8		Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine	% Cover 15 2	Size Class Pole XLog/Log	DBH 8 22		Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine White Pine	% Cover 15 2 2	Size Class Pole XLog/Log XLog/Log	DBH 8 22 22		Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine White Pine White Spruce	% Cover 15 2 2 1	Size Class Pole XLog/Log XLog/Log Log/XLog	DBH 8 22 22 13	Age	Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple	% Cover 15 2 2 1 4 43	Size Class Pole XLog/Log XLog/Log Log/XLog Log	DBH 8 22 22 13 12	Age	Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch	% Cover 15 2 2 1 43 2	Size Class Pole XLog/Log XLog/XLog Log/XLog Log	DBH 8 22 22 13 12 12	Age	Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
19	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak	% Cover 15 2 1 43 2 10	Size Class Pole XLog/Log Log/XLog Log Log Log	DBH 8 22 13 12 12 12	Age	Sub-Ca Re	nopy Species ed Maple	Density Medium	Avg. Height Variable	Sapling	$_{ m l}$ stand within. There is a 1/2 acre pole sized aspen inclusion pocket in t	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir	% Cover 15 2 1 43 2 10 15	Size Class Pole XLog/Log Log/XLog Log Log Log Log Pole/Sapling	DBH 8 22 13 12 12 12 6	Age	Sub-Ca Re	nopy Species ed Maple Isam Fir	Density Medium	Avg. Height Variable	Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120,	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir	% Cover 15 2 1 43 2 10 15 10	Size Class Pole XLog/Log Log/XLog Log Log Log Log Pole/Sapling	DBH 8 22 13 12 12 12 12 13	Age 84	Sub-Ca Re Ba	nopy Species ed Maple Isam Fir	Density Medium High	Avg. Height Variable Variable	Sapling Sapling Sapling	stand within. There is a 1/2 acre pole sized aspen inclusion pocket in the east end of the stand.	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir 4123 - Canopy Species Bigtooth Aspen	% Cover 15 2 1 43 2 10 15 10	Size Class Pole XLog/Log XLog/XLog Log/XLog Log Log Pole/Sapling	DBH 8 22 22 13 12 12 11 6 awtimbe DBH 11	Age 84 er Well	Sub-Ca Re Ba 39.8 Sub-Ca	nopy Species ad Maple Isam Fir 102	Density Medium High	Avg. Height Variable Variable	Sapling Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the stand to the west. This stand has higher quality oak, high quality habita	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir 4123 - Canopy Species	% Cover 15 2 15 2 11 43 2 10 15 10 8 2 2 10 43 2 10 8 7 8 7 8 7	Size Class Pole XLog/Log Log/XLog Log Log Log Dole/Sapling	DBH 8 22 13 12 12 12 12 12 13 12 12 13 12 12 12 13 14 6 DBH 11 15	Age 84 er Well Age 102	Sub-Ca Re Ba 39.8 Sub-Ca Ba	nopy Species ad Maple Isam Fir 102 nopy Species	Density Medium High 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir 4123 - Canopy Species Bigtooth Aspen	% Cover 15 2 11 43 2 10 15 10 15 10 8 Cover 1	Size Class Pole XLog/Log Log/XLog Log Log Log Dole/Sapling Size Class Log	DBH 8 22 22 13 12 12 11 6 awtimbe DBH 11	Age 84 er Well	Sub-Ca Re Ba 39.8 Sub-Ca Ba Sug	nopy Species Id Maple Isam Fir 102 102 Isam Fir	Density Medium High	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling Size Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the stand to the west. This stand has higher quality oak, high quality habita	
20	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir 4123 - Canopy Species Bigtooth Aspen Red Oak	% Cover 15 2 1 43 2 10 15 10 15 10 8ed Oak % Cover 1 65	Size Class Pole XLog/Log Log/XLog Log/XLog Log Cog/Pole Pole/Sapling Size Class Log Log	DBH 8 22 13 12 12 12 12 12 13 12 12 13 12 12 12 13 14 6 DBH 11 15	Age 84 er Well Age 102	Sub-Ca Re Ba 39.8 Sub-Ca Ba Sug	nopy Species Isam Fir 102 nopy Species Isam Fir Jar Maple	Density Medium High 111-140 Density Low Low	Avg. Height Variable Variable N/A Avg. Height Variable >20 feet	Sapling Sapling Size Sapling Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the stand to the west. This stand has higher quality oak, high quality habita	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir 4123 - Canopy Species Bigtooth Aspen Red Oak Red Oak Sugar Maple	Cover 15 2 11 2 1 43 2 10 15 10 15 10 8 Cover 1 65 5	Size Class Pole XLog/Log XLog/Log Log/XLog Log Log Dole/Sapling Size Class Size Class Log Log	DBH 8 22 13 12 12 12 12 12 11 6 DBH DBH 11 15 11	Age 84 er Well Age 102	Sub-Ca Re Ba 39.8 Sub-Ca Ba Sug	nopy Species Isam Fir 102 nopy Species Isam Fir Jar Maple	Density Medium High 111-140 Density Low Low	Avg. Height Variable Variable N/A Avg. Height Variable >20 feet	Sapling Sapling Size Sapling Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the stand to the west. This stand has higher quality oak, high quality habita	
	Canopy Species Quaking Aspen Red Pine White Pine White Spruce Red Maple Paper Birch Red Oak Bigtooth Aspen Balsam Fir Canopy Species Bigtooth Aspen Red Oak Sugar Maple White Pine	% Cover 15 2 15 2 10 10 15 10 8ed Oak Red Oak % Cover 1 65 5 3	Size Class Pole XLog/Log Log/XLog Log/XLog Log Cog/Pole Pole/Sapling Size Class Size Class Log Log/Pole XLog/Log	DBH 8 22 22 13 12 12 12 11 6 wtimber DBH 11 15 11 22	Age 84 er Well Age 102	Sub-Ca Re Ba 39.8 Sub-Ca Ba Sug	nopy Species Isam Fir 102 nopy Species Isam Fir Jar Maple	Density Medium High 111-140 Density Low Low	Avg. Height Variable Variable N/A Avg. Height Variable >20 feet	Sapling Sapling Size Sapling Sapling	2024 YOE Inventory BA Measurements: (120, 150, 100, 140, 150, 120, 150, 70, 80, 190). These are higher quality oak. This stand has very little aspen and trees are older and was therefore separated from the stand to the west. This stand has higher quality oak, high quality habita	

	А	tlanta Mg	t. Unit				Rep	ort 7 – Sta	ands		Compartment: 39 Year of Entry: 2024		
Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	lite	General Comments		
22	310 - Herbaceous Openland			Nonstocked		14.6	Immature		No		This is a power line opening. An erosion issue is present near west edg of Stand 29. Recreation trails cross the powerline at various points. Th stand includes forest road and lowland shrub.		
23	3102 - Grass		Nonstocked		1.6 In		Immature	No		Wildlife Opening			
24	42210 - Nati	ural Red Pi	ine	Sawtimb	er Well	15.3	146	81-110	N/A		This is very tall and old red pine. This stand is filled with legacy type red $\$ pine and white pine.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	White Pine	5	XLog	24		Re	d Maple	Medium	Variable	Sapling			
	Red Pine	68	XLog	20	146	Irc	onwood	Low	Variable	Sapling			
	Sugar Maple	1	Log/Pole	12		Sug	lar Maple	Trace	Variable	Sapling			
	Red Oak	20	Log	14		Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub			
	Red Maple	5	Log/Pole	12		Wł	nite Pine	Medium	Variable	Sapling			
	Basswood	1	Log/Pole	12									
25	3102 -	- Grass		Nonsto	ocked	1.8			No		Wildlife Opening		
26	42250 - 1	Pine, Oak		Sawtimb	er Well	20.9	74	51-80	N/A		2024 YOE Inventory BA Measurements (90, 70, 130, 60, 110, 90, 90).		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Legacy size oak are present. The previous red pine age was 9 years older. There pockets of aspen to the east and west that regenerated as a		
	Red Pine	60	Log	13	74	Bigto	oth Aspen	Low	>20 feet	Sapling	result of the 1985 harvest. In April of 1985 Timber Sale Name: E-Z-Out		
	White Oak	11	Log/XLog	16		R	ed Oak	Medium	Variable	Sapling	Block; Timber Sale Number: 54-010-84-01 was closed. All trees were		
	White Pine	2	Log	15		W	nite Oak	Medium	Variable	Sapling	harvested with the exception of oak and pine with a merchantable stick.		
	Bigtooth Aspen	2	Pole	6		Re	d Maple	High	Variable	Sapling			
	Red Oak	23	Log/XLog	16									
	Balsam Fir	2	Pole	6									
27	42210 - Nati	ural Red Pi	ine	Sawtimb	er Well	37.0	78	111-140	N/A		2024 YOE Inventory BA Measurements (180, 110, 80, 160, 160, 110, 120, 140, 110, 150, 110).		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	130, 140, 110, 150, 110). Their is minimal sign/pockets of aspen regen from the 1985 harvest. The red pine have on average 20-25% live crown		
	Red Maple	1	Pole	8		Black/Re	d (Hybrid) Oak	Medium	Variable	Sapling	ratio.		
	Red Pine	96	Log	15	78	Blac	ck Cherry	Low	Variable	Sapling	In April of 1095 Timber Sole Nome: E. 7 Out Block: Timber Sole Number		
Blac	k/Red (Hybrid) Oak	2	Log/XLog	16		Bigto	oth Aspen	Low	>20 feet	Sapling	In April of 1985 Timber Sale Name: E-Z-Out Block; Timber Sale Number: 54-010-84-01 was closed. All trees were harvested with the exception of		
	White Oak	1	Log	16		W	nite Oak	Low	Variable	Sapling	oak and pine with a merchantable stick.		
					-	Re	d Maple	High	>20 feet	Sapling			

Report 7 – Stands

Stand	d Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
28	4191 - Mixed Upla Co	and Decidu nifer	uous with Sa	awtimt	er Well	14.2	102	81-110	N/A		This stand has legacy oak, red pine, and white pine scattered throughout. Pole/sapling sized red maple dominate the
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	understory/subcanopy north and west of the forest road that resulted from past management.
	Red Maple	15	Log/Pole/Sap	12		Wł	nite Pine	Low	5 - 10 feet	Sapling	nom past management.
	Bigtooth Aspen	5	Log/Pole	11		Ba	lsam Fir	Low	Variable	Sapling	
	Red Pine	25	Log/XLog	16		Re	d Maple	Medium	>20 feet	Sapling	
	Red Oak	35	Log/XLog	16	102						
	White Oak	10	Log/XLog	16							
	Black Spruce	5	Pole/Sapling	6							
29	42110 - Plar	nted Red F	Pine S	Saplin	g Poor	24.9	5 I	mmature	N/A		This stand was initially planted in 2017 and had a couple replants follow.
	Canopy Species	% Cove	r Size Class	DBł	I Age						This stand has been updated from a field evaluation for a project on free
	Red Pine	90	Sapling	1	5						to grow red pine.
Bla	ck/Red (Hybrid) Oak	5	Sapling	1							June 2018 survey. Red pine 592 TPA, undesirables 1200 TPA. Need
	Black Cherry	5	Sapling	1							replant.
											Stand was replanted spring 2019. Regen survey 08/22/19. New stock looks weak, but mortality for the site was only 14%. 894 RP TPA. 90%
											FTG with RP 2.2 ft tall.
30		- Aspen			er Well	4.1	59	81-110	N/A		Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the
30	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition
30	Canopy Species Bigtooth Aspen	% Cove 75	r Size Class Log/Pole	DB 10		Sub-Ca Re	nopy Species ad Maple	Density High	Avg. Height Variable	Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the
30	Canopy Species Bigtooth Aspen Red Maple	% Cove 75 10	r Size Class Log/Pole Log/Pole	DB 10 11	I Age	Sub-Ca Re Wi	nopy Species ad Maple hite Oak	Density High Low	Avg. Height Variable Variable	Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the
30	Canopy Species Bigtooth Aspen	% Cove 75	r Size Class Log/Pole	DB 10	I Age	Sub-Ca Re Wi	nopy Species ad Maple	Density High	Avg. Height Variable	Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the
30	Canopy Species Bigtooth Aspen Red Maple	% Cover 75 10 15	r Size Class Log/Pole Log/Pole Log/Pole	DB 10 11	59	Sub-Ca Re Wi	nopy Species ad Maple hite Oak	Density High Low	Avg. Height Variable Variable	Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the
	Canopy Species Bigtooth Aspen Red Maple White Pine	% Cover 75 10 15	r Size Class Log/Pole Log/Pole Log/Pole	DBI 10 11 11 Nonsta	59	Sub-Ca Re Wi	nopy Species ad Maple hite Oak	Density High Low	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En	% Cover 75 10 15	r Size Class Log/Pole Log/Pole Log/Pole	DBI 10 11 11 Nonsta	Age 59	Sub-Ca Re Wh 10.2 14.9	nopy Species d Maple hite Oak hite Pine	Density High Low Medium	Avg. Height Variable Variable Variable No	Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave. Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow.
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low	% Cover 75 10 15	r Size Class Log/Pole Log/Pole Vetland	DBI 10 11 11 Nonsta	bocked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species Ind Maple hite Oak hite Pine 61	Density High Low Medium 51-80	Avg. Height Variable Variable No N/A	Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities. An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there is the stand.
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low Canopy Species Red Maple Quaking Aspen	% Cover 75 10 15 mergent V vland Aspendence % Cover 20 44	r Size Class Log/Pole Log/Pole Vetland en Sa r Size Class	DBI 10 11 11 Nonstr awtimt DBI 12 9	Age 59 Docked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species ad Maple hite Oak hite Pine 61 nopy Species	Density High Low Medium	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities.An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there i an area of pure cedar with spring and seeps at its upslope end. In early
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low Canopy Species Red Maple	% Cover 75 10 15 mergent V vland Aspendence % Cover 20 44 20	r Size Class Log/Pole Log/Pole Vetland en Sa r Size Class Log/Pole	DBH 10 11 11 11 Nonstr awtimt DBH 12 9 8	bocked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species ad Maple hite Oak hite Pine 61 nopy Species	Density High Low Medium	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities. An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir orthern White Cedar	% Cover 75 10 15 mergent V vland Aspendent 20 44 20 3	r Size Class Log/Pole Log/Pole Vetland en Sa r Size Class Log/Pole Pole/Log	DBH 10 11 11 11 Nonstr awtimt DBH 12 9 8 12	bocked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species ad Maple hite Oak hite Pine 61 nopy Species	Density High Low Medium	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities.An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there i an area of pure cedar with spring and seeps at its upslope end. In early
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir	% Cover 75 10 15 wergent V vland Aspe % Cover 20 44 20 3 3	r Size Class Log/Pole Log/Pole Log/Pole Vetland en Sa r Size Class Log/Pole Pole/Log Pole/Sap/Log	DBH 10 11 11 11 11 Nonstr awtimk DBH 12 9 8 12 12 12 12 12 12 12 12 12	bocked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species ad Maple hite Oak hite Pine 61 nopy Species	Density High Low Medium	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities.An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there i an area of pure cedar with spring and seeps at its upslope end. In early
31	Canopy Species Bigtooth Aspen Red Maple White Pine 6239 - Mixed En 6112 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir orthern White Cedar	% Cover 75 10 15 mergent V vland Aspendent 20 44 20 3	r Size Class Log/Pole Log/Pole Log/Pole Vetland r Size Class Log/Pole Pole/Log Pole/Sap/Log Log	DBI 10 11 11 11 11 Nonstr awtimb DBI 12 9 8 12 12 12 13	bocked	Sub-Ca Re Wh 10.2 14.9 Sub-Ca	nopy Species ad Maple hite Oak hite Pine 61 nopy Species	Density High Low Medium	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Sapling Sapling	Replant 3rd year regen survey on 9/24/21; 801 Surviving TPA ; 3.4' Ave Height ; 92% FTG; Competition The half acre wildlife opening at the north edge of the west end of the stand was created in August of 1984 (originally grass). This stand is a mix of bog to the south, cattails central, pockets of lowland shrub, pockets of lowland forest and drainage arms that resemble wet meadow. Cedar pocket to west with a line of legacy pine near the north end; The aspen are present in a wide range of diameters/age classes in relatively equal quantities.An odd mixture of micro-stands. Includes drainage with cedar standing in water. Also, on the west side of the stand, there an area of pure cedar with spring and seeps at its upslope end. In early

							Rep	ort 7 – Sta	inds		Compartment: 39 Year of Entry: 2024
Stand	Level 4 Co	over Type	e Si	ze De	ensity	Acres	Stand Age B	A Range	Managed S	lite	General Comments
33	622 - Low	land Shru	ıb N	lonsta	ocked	3.4			No		
34	42210 - Natu	ural Red I	Pine Sa	wtimb	er Well	39.2	143	111-140	N/A		The west arm of the stand is broken pockets of red pine and white pine
	Canopy Species	% Cove	r Size Class	DBH	I Age		nopy Species	Density	Avg. Height	Size	some of which are legacy type.red pine to 24"+. white pine to 30".
	Paper Birch	2	Pole	6		Re	ed Maple	Low	Variable	Sapling	
Blac	ck/Red (Hybrid) Oak	5	Log	16		Wł	hite Pine	Medium	Variable	Sapling	
	Quaking Aspen	5	Log/Pole	12		Ba	ılsam Fir	Medium	Variable	Sapling	
	Red Pine	60	XLog/Log	19	143						
	Bigtooth Aspen	5	Log/Pole	12							
	White Pine	10	XLog	24							
	Red Maple	13	Pole	8							
35	3102 -	- Grass	Ν	lonsto	ocked	3.9			No		Wildlife Opening
36	3102 -	- Grass	Ν	lonsto	ocked	1.6			No		This is a managed wildlife opening.
37	4133 - Aspei	n, Mixed	Pine Pol	etimb	er Well	11.4	37	51-80	N/A		There are a few legacy white pine present. The aspen are doing well.
	Canopy Species		r Size Class	1	l Age		nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole	6			ed Maple	Low	Variable	Sapling	
	Paper Birch	5	Pole/Sapling	6		Ba	ılsam Fir	Medium	Variable	Sapling	
	k/Red (Hybrid) Oak	5	Pole/Log	9							
	Bigtooth Aspen	50	Pole/Log	8	37						
	White Pine	30	Log/Pole/XLog	12							
38	4130 -	- Aspen		aplinę	g Well	27.0	2 I	Immature	N/A		The harvest of this stand was completed in May of 2020 as part of Sale Name: Jackson Lake Mix; Sale No: 54-015-17. All white pine and white
	Canopy Species	% Cove	r Size Class	DBH	I Age						oak were retained.
	Red Maple	5	Sapling	1							
	White Pine	5	Sapling/Pole/Log								
	White Oak	2	Sapling/Pole/Log								
	Bigtooth Aspen	83	Sapling	1	2						
	Balsam Fir	5	Sapling	1							
39	622 - Low	land Shru	ıb N	lonsta	ocked	26.0			No		Lowland shrub, cattail, and emergent wetland. This is a lowland conifer swamp that flooded killing all the trees.
40	622 - Low	land Shru	ıb N	lonsto	ocked	2.3	I	Immature	No		

Report 7 – Stands

. MICHIGAN

an DNR(General Comments	ite	Managed S	A Range	Stand Age B	Acres	nsity	ize De	Si	over Type	Level 4 Co	Stand
An edge type call was	This stand was holding much water when visited. made along the southern edge.		N/A	nspecified	110 U	3.5	er Well	wtimb	, Mixed Sa	Coniferous, iduous	6128 - Lowland (Deci	41
		Size	Avg. Height	Density	nopy Species	Sub-Ca	Age	DBH	Size Class	% Cover	Canopy Species	
		Sapling	Variable	Full	lsam Fir	Ba	110	10	Log/Pole	40	orthern White Cedar	Nor
							35	3	Sapling/Pole	40	Balsam Fir	
								10	Log/Pole	2	American Elm	
								4	Sapling/Pole	5	Paper Birch	
								5	Pole/Sapling	13	Red Maple	
ce mixed with lowland	Nice example of treed sphagnum bog. Black spru		N/A	51-80	88	52.5	er Well	letimb	e Po	ack Spruce	6122 - Bla	42
	shrub is more common to the west.	Size	Avg. Height	Density	nopy Species	Sub-Ca	Age	DBH	Size Class	% Cover	Canopy Species	
		Sapling	Variable	Low	k Spruce			8	Pole/Log	1	Tamarack	
							88	6	Pole/Sapling	99	Black Spruce	
north or west. It has	This area was not harvested with the timber to the		N/A	81-110	88	1.0	er Well	wtimb	ine Sa	tural Red Pi	42210 - Nat	43
	become its own separate stand.	Size	Avg. Height	Density	nopy Species	Sub-Ca	Age	DBH	Size Class	% Cover	Canopy Species	
		Sapling	Variable	Low	d (Hybrid) Oak	Black/Re	88	18	XLog/Log	80	Red Pine	
		Sapling	Variable	Low	lsam Fir	Ba		6	Pole	5	Balsam Fir	
		Sapling	>20 feet	Medium	d Maple	Re		15	Log	5	ck/Red (Hybrid) Oak	Blac
								6	Pole	5	Red Maple	
								9	Pole/Log	5	Bigtooth Aspen	
	loose stream drainage		N/A	nspecified	122 U	7.8	er Well	wtimb	, Mixed Sa	Coniferous, iduous	6128 - Lowland (Deci	44
		Size	Avg. Height	Density	nopy Species	Sub-Ca	Age	DBH	Size Class	% Cover	Canopy Species	
		Tall Shrub	10 - 20 feet	High	ag Alder	Та		12	Log	10	Red Maple	
		Sapling	10 - 20 feet	High	lsam Fir	Ba		6	Pole/Sapling	30	Balsam Fir	
							122	11	Log/Pole	38	orthern White Cedar	Nor
								7	Pole	5	Paper Birch	
								6	Pole	10	Black Spruce	
								12	Log	5	Quaking Aspen	(
								12	Log/Pole	2	White Spruce	
inted due to saturated	This stand is too wet to harvest. The trees are stu		N/A	51-80	94	10.6	er Well	letimb	e Po	ack Spruce	6122 - Bla	45
	soils.	Size	Avg. Height	Density	nopy Species	Sub-Ca	Age	DBH	Size Class	% Cover	Canopy Species	
		Sapling	Variable	Trace	White Cedar	Northerr		6	Pole	30	orthern White Cedar	Nor
		Tall Shrub	5 - 10 feet	Medium	ag Alder	Ta	94	6	Pole	50	Black Spruce	
		Sapling	Variable	Low	ck Spruce	Blac		6	Pole	10	Balsam Fir	
								7	Pole	10	Tamarack	

Report 7 – Stands



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	lite	General Comments
47	42110 - Plar			Sawtimb		11.7	66	141-170	N/A		2024 YOE Inventory BA Measurements: (170, 150, 190, 110, 120, 120, 180, 190, 160, 160). The red pine have a 25-30% live crown ratio.
	Canopy Species		Size Class		Age		nopy Species	-	Avg. Height	Size	
	Red Pine	95	Log/Pole		66		d Maple	High	Variable	Sapling	This stand was thinned to 122 BA on 4/19/2016. This stand was third
Blac	ck/Red (Hybrid) Oak	5	XLog/Log	18			d (Hybrid) Oak		Variable	Sapling	row thinned in a sale closed November 1995 via Timber Sale Name: Convergence Thinning; Timber Sale Number: 54-020-94-01; All red
						Ba	lsam Fir	Low	Variable	Sapling	maple, aspen, and jack pine were harvested at the time of the third row thinning.
48	6127 - Lo	wland Pine	Э	Sawtimb	er Well	2.2	70	51-80	N/A		The stand is red pine dominate the north and white pine dominate to the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	south.
	Jack Pine	43	Log/Pole	11		Blac	ck Spruce	Low	Variable	Sapling	
	White Pine	5	Log	15		Re	d Maple	Medium	Variable	Sapling	
	Quaking Aspen	2	Log	11							-
	Red Pine	50	Log/XLog	16	70						
49	3102 ·	- Grass		Nonsto	ocked	1.1			No		Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 11-11 Permit No: 51753 MPSC No: 8641
50	3102 -	- Grass		Nonsto	ocked	2.0			No		This is a managed wildlife opening.
51	330 - Low-E	Density Tre	ees	Nonsto	ocked	39.9		Immature	4191 - Mixed Deciduous with		This stand was harvested as part of Sale Name: Jackson Lake Mix; Sale No: 54-015-17. The treatment implemented read like this: "Shelterwood mix of red pine, white pine and oak using average tree height spacing. Favor leaving large diameter stems. Harvest most tops, encourage scarification during harvest." This stand was harvested in quarters from April 2020 through March 2022. Canopy Trees Retained: Approximately 10% canopy retained red pine, red oak, and white pine: 5% White Pine 21 inch DBH XL 5% Red Pine 20 inch DBH XL, L 5% Red Oak 18 in XL, L Understory Post Harvest: Bigtooth Aspen, high, variable White Pine, Low, variable Balsam Fir, Low variable
52	3102 -	- Grass		Nonsto	ocked	3.1			No		This is a managed wildlife opening.

Report 7 – Stands

Compartment: 39 Year of Entry: 2024

DNR

Stand	Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
53	6122 - Bl	ack Spruce	e Po	oletimb	er Well	5.7	76	1-50	N/A		Most of the trees are dead. Scattered black spruce throughout the central region of the stand are barely hanging on. All red pine and white
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine in the central region of the stand are dead, but are still living at the
	White Pine	5	Log	13	84	Blac	k Spruce	Low	10 - 20 feet	Sapling	outer edges. Tree mortality is due to overly saturated soils. Based on
	Red Pine	5	Log	13							past imagery, white pine composed approximately 10 percent of the old living stand. Black spruce are having low to moderate success
	Jack Pine	2	Log/Pole	10							regenerating in the understory. The forest floor is fully covered by
	Tamarack	3	Pole/Log	8							sphagnum moss and leatherleaf.
	Black Spruce	85	Pole	7	76						
54	4130	- Aspen	Po	oletimb	er Well	40.0	50	81-110	N/A		This is a combination of 3 different stands; upland red pine/aspen to the
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	north, lowland aspen/fir/red maple central, and upland red maple/red oal to the south. The age of the aspen was estimated due to the various siz
	Quaking Aspen	51	Pole/Log	9	50	R	ed Oak	Trace	Variable	Sapling	aspen present. Lowland areas are present in the central region of the
	Balsam Fir	12	Pole	6		Wh	nite Pine	Trace	Variable	Sapling	stand.
	Bigtooth Aspen	10	Pole/Log	8	50	Ba	lsam Fir	Low	Variable	Sapling	
	Red Pine	5	Log/XLog	16		Blac	k Cherry	Trace	Variable	Sapling	
	White Pine	1	Pole/Log/XLog	8		Wł	nite Ash	Low	Variable	Sapling	
	Red Oak	5	Log	14		Re	d Maple	High	>20 feet	Sapling	
	Red Maple	15	Pole/Log/Sap	8				1			
	Balsam Poplar	1	Pole/Log	8	50						
55	3102	- Grass		Nonst	ocked	1.9	Ui	nspecified	No		This wildlife opening was created in August of 1984 (originally grass).
56	3102	- Grass		Nonsto	ocked	1.2			No		This is a managed wildlife opening.
57	6224 - 1	reed Bog		Nonsto	ocked	2.5			No		This is a big with white pine m red pine, and jack oine around the edge.
57 58		reed Bog - Cattail		Nonsto		2.5 1.5			No		This is a big with white pine m red pine, and jack oine around the edge. Cattail with lowland shrub around the edge
58	6230				ocked						
	6230 500 -	- Cattail		Nonsto Nonsto	ocked	1.5	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part of
58 59	6230 500 - 4130 Canopy Species	- Cattail Water - Aspen		Nonsto Nonsto Saplino	ocked	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part of Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01.
58 59	6230 500 - 4130 Canopy Species Black Cherry	- Cattail Water - Aspen		Nonsto Nonsto Saplino	ocked ocked g Well	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part o Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01.
58 59	6230 500 - 4130 Canopy Species	- Cattail Water - Aspen % Cover	Size Class Sapling Sapling	Nonste Nonste Sapline DBH	ocked ocked g Well I Age 3	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part of Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01. In the northern half of the stand all white oak, white pine, and legacy typ
58 59	6230 500 - 4130 Canopy Species Black Cherry	- Cattail Water - Aspen % Cover 5	Size Class Sapling	Nonsto Nonsto Sapling DBH	ocked ocked g Well I Age	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part o Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01. In the northern half of the stand all white oak, white pine, and legacy typ
58 59	6230 500 - 4130 Canopy Species Black Cherry Red Maple	- Cattail Water - Aspen % Cover 5 23	Size Class Sapling Sapling	Nonste Nonste Sapline DBH	ocked ocked g Well I Age 3	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part o Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01. In the northern half of the stand all white oak, white pine, and legacy typ
58 59	6230 500 - 4130 Canopy Species Black Cherry Red Maple Red Oak	- Cattail Water - Aspen % Cover 5 23 23 2	Size Class Sapling Sapling XLog/Log	Nonsto Nonsto Sapling DBH 1 1 20	ocked ocked g Well I Age 3 97	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part o Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01. In the northern half of the stand all white oak, white pine, and legacy typ
58 59	6230 - 6230 - 500 - 4130 -	- Cattail Water - Aspen - Aspen - 23 - 23 - 2 - 40	Size Class Sapling Sapling XLog/Log Sapling	Nonsto Nonsto Sapling DBH 1 1 20 1	ocked ocked I Age 3 97 3	1.5 22.7	3 1	mmature	No		Cattail with lowland shrub around the edge Jackson Lake The harvest of this stand was completed in the spring of 2009 as part of Timber Sale Name: Jackson Lake Mix; Timber Sale No: 54-015-17-01. In the northern half of the stand all white oak, white pine, and legacy typ

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Report 7 – Stands



INR

Stand	Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age E	A Range	Managed S	Site	General Comments
61	4133 - Aspe	en, Mixed P	Pine Pole	etimbe	Mediur	m 13.8	47	1-50	N/A		This stand was likely harvested with the stand north of County Road 624
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and the stand to the SW. Open grown large crown oak/white pine are present.
	Quaking Aspen	50	Pole/Log	9	47	Blac	ck Cherry	Low	Variable	Sapling	prosent.
	White Pine	20	Log/XLog/Pole	14		Black/Re	d (Hybrid) Oak	Low	Variable	Sapling	
	Choke Cherry	5	Sapling/Pole	4		R	ed Pine	Low	Variable	Sapling	
	Red Maple	10	Log	12		Re	d Maple	Medium	Variable	Sapling	
	Red Oak	15	XLog/Log	18	102	Wł	nite Pine	Low	Variable	Sapling	
62	310 - Herbac	eous Open	lland	Nonsto	ocked	1.1			No		
63	4133 - Aspe	n, Mixed P	Pine Po	oletimb	er Well	14.2	37	51-80	N/A		This stand was broken out due to its younger age and higher level of tre
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	species diversity. Scattered legacy pine and oak present. The HCP ru through this stand. Beyond the aspen and other pole sized timber, this
	Jack Pine	10	Pole/Sapling	6		R	ed Pine	Low	Variable	Sapling	an uneven age stand.
	White Pine	5	Log/Pole/XLog	12		Black/Re	d (Hybrid) Oak	Low	Variable	Sapling	
	Balsam Fir	2	Pole/Sapling	6		WI	nite Oak	Medium	Variable	Sapling	
	Red Maple	3	Pole/Sapling	6		Re	d Maple	Low	Variable	Sapling	
	White Oak	2	Log/Pole/XLog	12		Ba	lsam Fir	Low	Variable	Sapling	
Blac	ck/Red (Hybrid) Oak	15	Log/XLog	16		Wł	nite Pine	High	Variable	Sapling	
	Red Pine	15	Log/Pole/XLog	13				, i i i i i i i i i i i i i i i i i i i			1
	Bigtooth Aspen	48	Pole/Sapling	6	37						
64	122 - Road	l/Parking L	.ot	Nonsto	ocked	16.7			No		County Road 624
65	6124 - Lowla	and Spruce	e-Fir Po		er Well	53.7	78 U	Inspecified	N/A		Cedar seemed to be more dominate along the northern edge, and stan became more black spruce dominate the further south into the
	Canopy Species		Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand.sphagnum, black muck
No	orthern White Cedar	45	Pole	8		Ta	ig Alder	Medium	10 - 20 feet	Tall Shrub	
	Black Spruce	45	Pole	7	78						
	Balsam Fir	10	Pole	7							
66	3102	- Grass		Nonsto	ocked	3.3			No		This wildlife opening was created in August of 1984 (originally grass).
67	6117 - Lowland I Coni	Deciduous iferous	, Mixed Po	oletimb	er Well	6.4	90	51-80	N/A		ash mostly dead.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	40	Log/Pole	11	90	Ta	ig Alder	Low	10 - 20 feet	Tall Shrub	
	Balsam Fir	30	Pole/Log	8		Ba	lsam Fir	High	Variable	Sapling	
	Quaking Aspen	30	Pole	8		Re	d Maple	Low	Variable	Sapling	
68	3102	- Grass		Nonsto	ocked	1.0			No		Well Pad SiteRiverside Energy Michigan, LLC(989) 705-7665State Briley 9-11Permit No: 51755MPSC No: 8642

Report 7 – Stands



							-				Year of Entry: 2024
Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
69	4130	- Aspen	F	Poletimb	er Well	29.8	49	81-110	N/A		This is your average aspen stand with some pine and minimal oak mixed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	in. The age of the aspen is somewhat variable throughout the stand.
	White Pine	15	Log/Pole	12		WI	hite Oak	Low	Variable	Sapling	
Bla	ck/Red (Hybrid) Oak	1	Log	15		Blac	ck Cherry	Medium	Variable	Sapling	
	White Oak	1	Log	11		Black/Re	d (Hybrid) Oal	k Low	Variable	Sapling	
	Balsam Fir	1	Pole	6		Servicebe	erry (Juneberry	y) Low	Variable	Sapling	
	Jack Pine	1	Pole	6							
	Quaking Aspen	41	Pole/Log	9	49						
	Bigtooth Aspen	40	Pole	8	49						
70	4123 -	Red Oak	Sa	awtimber	Mediu	m 24.5	97	81-110	N/A		All trees with a merchantable stick, with the exception of oak over 8
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	inches in DBH and red pine, were harvested from this stand via Timber Sale Name: Jackson Triangle; Sale No: 54-011-94-01 that closed in
	Red Oak	73	Log	16	97	R	ed Pine	Low	Variable	Sapling	December of 1994.
	White Oak	2	Log	14		Bigto	oth Aspen	Medium	>20 feet	Sapling	
	Red Pine	25	Log	14		Wł	nite Pine	Trace	Variable	Sapling	
				1		R	ed Oak	Low	Variable	Sapling	
						WI	hite Oak	Low	Variable	Sapling	
						Blac	ck Cherry	Low	Variable	Sapling	
						Re	d Maple	Full	Variable	Sapling	
71	3102	- Grass		Nonsto	ocked	2.6		Immature	No		This is a wildlife opening.
72	42220 - Nat	ural Jack P	ine s	Sawtimb	er Well	5.7	90	81-110	N/A		This stand is part of a larger timber sale and should be harvested in the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	near future.
	Black Spruce	5	Pole/Log	8	_		Isam Fir	Medium	5 - 10 feet	Sapling	
	Red Pine	5	XLog/Log	20		Re	d Maple	High	>20 feet	Sapling	
	White Pine	1	Log	12				·			
	Red Maple	15	Pole/Sapling								
	Jack Pine	74	Log/Pole	12	90						
73	42110 - Pla	nted Red P	ine	Sapling	Poor	15.6	6	Immature	N/A		The planted red pine were 3-4 feet tall on average at the time of the 202
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	YOE Inventory.This stand was planted to red pine on 4/'23/16.Herbicide 9/9/2015Trench 10/7/2015Initial Plant 4/23/16 at
		5	Sapling	1	_	R	ed Oak	Low	5 - 10 feet	Sapling	998 RP/acYear 1 Survey on 6/27/17: 779 RP/ac 1010/ac
	Black Cherry	5	ouping				ou our				
Bla	ck/Red (Hybrid) Oak		Sapling	1			n Cherry	Trace	5 - 10 feet	Sapling	CompetitionYear 3 Survey on 10/18/18: 928 RP/ac Very well stocked

Report 7 – Stands

Compartment: 39 Year of Entry: 2024



Stand	Level 4 Co	over Type		Size Den	sity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
74	6120 - Low	vland Ceda	ar F	Poletimbe	r Well	16.3	87		N/A		This stand has been expanded to include the drainage to the west. The
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	age was taken where the cedar are stunted in the northeast. Larger log sized cedar occur in pockets.
No	rthern White Cedar	55	Pole	7	87	Ba	ılsam Fir	High	Variable	Sapling	
	Tamarack	2	Log	12		Bla	ck Spruce	Low	Variable	Sapling	
	Red Maple	5	Log/Pole	11		Ta	ag Alder	High	10 - 20 feet	Tall Shrub	
	Paper Birch	5	Log/Pole	10							-
	Black Spruce	16	Pole/Log	8	90						
	Balsam Fir	17	Pole	6							
75	4130 -	Aspen	F	Poletimbe	r Well	14.2	35	1-50	N/A		In March of 1987 all trees with a merchantable stick with the exception of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	white oak were harvested (some white oak were cut with some red oak being left to compensate for it.) as part of Timber Sale Name: Cross Cri
	White Pine	15	Log/Pole	12		Re	ed Maple	High	Variable	Sapling	Block; Timber Sale Number: 54-061-86-01.
	Red Maple	5	Sapling/Pole	4	35	W	hite Pine	Low	Variable	Sapling	
	Quaking Aspen	80	Pole/Sapling	6	35	Che	erry (spp.)	Medium	Variable	Tall Shrub	
77	4199 - Other Mixed	d Upland D	eciduous Sa	wtimber I	Mediur	n 7.4	102	51-80	N/A		The trees in this stand are fairly spaced out with pockets of field like
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas.
	Bigtooth Aspen	35	Log/Pole	11	66	Ja	ack Pine	Low	Variable	Sapling	
	Red Maple	10	Log/Pole	11		Bla	ck Cherry	Medium	Variable	Tall Shrub	
	Red Pine	7	XLog/Log	20		R	ed Pine	Low	Variable	Sapling	
	Jack Pine	8	Log/Pole	11		Black/Re	d (Hybrid) Oak	Low	Variable	Sapling	
Blac	ck/Red (Hybrid) Oak	40	Log/XLog	17	102	Re	ed Maple	Medium	Variable	Sapling	
78	4130 -	Aspen	F	Poletimbe	r Well	44.7	47	81-110	N/A		Some larger log sized oak, red maple, and red pine that were retained
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	during the last harvest are scattered throughout the stand. This is a healthy stand dominate to aspen. The aspen in the western half of the
	Red Oak	10	Log/Pole	11		Dogv	vood (spp.)	Low	5 - 10 feet	Tall Shrub	stand are somewhat smaller in diameter. Scattered red pine add
	Bigtooth Aspen	73	Pole	8	47	Re	ed Maple	Full	>20 feet	Sapling	diversity to the stand. The oak are of high quality and have grown vigorously to keep up with the aspen.
	B 111 -	7	D 1 <i>''</i>								- VIDOROUSIV TO KEED UD WITH THE ASDEN
	Red Maple	1	Pole/Log	8							
	Red Maple Red Pine	10	Pole/Log Log/XLog	8 16							
79	•	10	Log/XLog		r Well	15.2	113 Ui	nspecified	N/A		The stand is pole size balsam fir/spruce dominate at the north end, ced
79	Red Pine	10 vland Ceda	Log/XLog	16			113 Ui	nspecified Density	N/A Avg. Height	Size	The stand is pole size balsam fir/spruce dominate at the north end, ced dominate centrally, and balsam fir dominate in the south. A narrow 2-4
	Red Pine 6120 - Low	10 vland Ceda	Log/XLog	16 Sawtimbe DBH		Sub-Ca		•		Size Sapling	The stand is pole size balsam fir/spruce dominate at the north end, ced
	Red Pine 6120 - Low Canopy Species	10 vland Ceda % Cover	Log/XLog ar Size Class	16 Sawtimbe DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height		The stand is pole size balsam fir/spruce dominate at the north end, ced dominate centrally, and balsam fir dominate in the south. A narrow 2-4
	Red Pine 6120 - Low Canopy Species rthern White Cedar	10 vland Ceda % Cover 50	Log/XLog ar Size Class Log	16 Sawtimbe DBH 12	Age	Sub-Ca	nopy Species	Density	Avg. Height		The stand is pole size balsam fir/spruce dominate at the north end, ced dominate centrally, and balsam fir dominate in the south. A narrow 2-4
79 No	Red Pine 6120 - Low Canopy Species rthern White Cedar Balsam Poplar	10 vland Ceda % Cover 50 6	Log/XLog ar S Size Class Log Log	16 Sawtimbe DBH 12 15	Age	Sub-Ca	nopy Species	Density	Avg. Height		The stand is pole size balsam fir/spruce dominate at the north end, ced dominate centrally, and balsam fir dominate in the south. A narrow 2-4
	Red Pine 6120 - Low Canopy Species rthern White Cedar Balsam Poplar White Spruce	10 vland Ceda % Cover 50 6 10	Log/XLog ar S Size Class Log Log Log	16 Sawtimbe DBH 12 15 12	Age	Sub-Ca	nopy Species	Density	Avg. Height		The stand is pole size balsam fir/spruce dominate at the north end, dominate centrally, and balsam fir dominate in the south. A narrow

2

Quaking Aspen

14

Log

Report 7 – Stands



Stand	d Level 4 Co	over Type	S	Size De	ensity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
80	42110 - Plar Canopy Species		ne Size Class	Saplinę) Poor I Age	11.3	6	Immature	N/A		A walk through was completed in August of 2022 and the health of the planted stock looked good.
	Red Pine	85	Sapling	1	6						The trees are mostly free to grow. The red pine are doing well. The
Bla	ck/Red (Hybrid) Oak	15	Sapling	1	0						planted red pine were 4-6 feet tall on average and more competition to the eastern half of the stand at the time of the 2024 YOE Inventory.
											This stand was planted to red pine on 4/23/16. Year 3 regen survey: 858 RP/ac
81	4133 - Aspe	n, Mixed Pi	ne Po	oletimt	er Well	16.1	35	51-80	N/A		There is bigtooth aspen to the west and quaking aspen to the east; both
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	are of poor quality with the quaking aspen being worse off.In March of 1987 all trees with a merchantable stick with the exception of white oak
	Bigtooth Aspen	35	Pole	6	35	Ba	sam Fir	Low	Variable	Sapling	were harvested (some white oak were cut with some red oak being left
	White Pine	20	Log/Pole	11		Wh	ite Pine	Low	Variable	Sapling	compensate for it.) as part of Timber Sale Name: Cross Crik Block;
	Quaking Aspen	35	Pole/Sapling	5		Black/Ree	d (Hybrid) Oak	Medium	Variable	Sapling	Timber Sale Number: 54-061-86-01.
	Red Maple	10	Sapling/Pole	4		Re	d Maple	Full	Variable	Sapling	
82	310 - Herbac	eous Openl	and	Nonsto	ocked	2.0			No		Low density trees; Grass
83	42220 - Nati	ural Jack Pi	ine	Saplin	g Well	10.9	3	Immature	N/A		The regeneration of this stand to jack pine was a success. There is a nice green carpet of jack pine regeneration present.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	nice green carpet of jack pine regeneration present.
	Black Cherry	5	Sapling	1		Che	rry (spp.)	Medium	5 - 10 feet	Tall Shrub	
	Jack Pine	95	Sapling	1	3						
					_						
84	4199 - Other Mixed		1 0	awtimb	er Well	20.1	102	51-80	N/A		Oak is more dominate to the west and aspen is more dominate to the
84		d Upland D	1 0				102 nopy Species		N/A Avg. Height	Size	Oak is more dominate to the west and aspen is more dominate to the east.
84	4199 - Other Mixed	d Upland D	eciduous S		er Well	Sub-Ca				Size Sapling	1
84	4199 - Other Mixed Canopy Species	d Upland D % Cover	eciduous S Size Class	DBH	er Well I Age	Sub-Ca Ba	nopy Species	Density	Avg. Height		1
84	4199 - Other Mixed Canopy Species Bigtooth Aspen	d Upland D % Cover 35	eciduous S Size Class Pole/Log	DBH 9	er Well I Age 66	Sub-Car Ba	nopy Species Isam Fir	Density Low	Avg. Height Variable	Sapling	1
84	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak	d Upland Do % Cover 35 40	eciduous S Size Class Pole/Log Log/XLog	DBH 9 17	er Well I Age 66	Sub-Car Ba Re Ja	nopy Species Isam Fir ed Pine	DensityLowLowLow	Avg. Height Variable Variable	Sapling Sapling	1
84	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir	d Upland D % Cover 35 40 3	eciduous S. Size Class Pole/Log Log/XLog Pole	DBH 9 17 6	er Well I Age 66	Sub-Cai Ba Re Ja Black/Ree	hopy Species Isam Fir ad Pine ck Pine	DensityLowLowLow	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	1
84	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple	d Upland D % Cover 35 40 3 10	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole	DBH 9 17 6 10	er Well I Age 66	Sub-Cai Ba Re Ja Black/Ree	nopy Species Isam Fir ed Pine ck Pine d (Hybrid) Oak	DensityLowLowLowMedium	Avg. Height Variable Variable Variable Variable	Sapling Sapling Sapling Sapling	1
84	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine 6123 - L	d Upland D % Cover 35 40 3 10 2	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Pole Log	DBH 9 17 6 10 7 12	er Well 66 102	Sub-Cai Ba Re Ja Black/Ree	nopy Species Isam Fir ed Pine ck Pine d (Hybrid) Oak	DensityLowLowLowMedium	Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling	This stand is too wet to harvest/has stunted trees and is unproductive for
	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine	d Upland D % Cover 35 40 3 10 2 10 wland Fir	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Pole Log	DBH 9 17 6 10 7 12	er Well I Age 66 102	Sub-Cai Bai Re Ja Black/Red Re 12.6	nopy Species Isam Fir ed Pine ck Pine d (Hybrid) Oak d Maple	Density Low Low Medium Medium	Avg. Height Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling	This stand is too wet to harvest/has stunted trees and is unproductive for growing timber. A narrow 2-4 foot wide stream flows to the southeast
	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine 6123 - L	d Upland D % Cover 35 40 3 10 2 10 wland Fir	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Pole Log	DBH 9 17 6 10 7 12	er Well 66 102	Sub-Car Ba Re Ja Black/Re Re 12.6 Sub-Car	hopy Species Isam Fir ed Pine ck Pine d (Hybrid) Oak d Maple 46	Density Low Low Medium Medium	Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Sapling	east. This stand is too wet to harvest/has stunted trees and is unproductive for growing timber. A narrow 2-4 foot wide stream flows to the southeast through this stand. A loop was made through the center of the stand. I was found that the stand was deaminate to sapling sized balsam fir, wit
	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine 6123 - L Canopy Species	d Upland D % Cover 35 40 3 10 2 10 2 10 www.and Fir % Cover	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Pole Log Size Class	DBH 9 17 6 10 7 12 Sapling DBH	er Well 66 102	Sub-Car Ba Re Ja Black/Re Re 12.6 Sub-Car Ta	hopy Species Isam Fir ed Pine ck Pine d (Hybrid) Oak d Maple 46 hopy Species	Density Low Low Medium Medium 1-50 Density	Avg. Height Variable Variable Variable Variable N/A N/A	Sapling Sapling Sapling Sapling Sapling	east. This stand is too wet to harvest/has stunted trees and is unproductive f growing timber. A narrow 2-4 foot wide stream flows to the southeast through this stand. A loop was made through the center of the stand. was found that the stand was deaminate to sapling sized balsam fir, wit scattered sapling/pole/log black spruce making up the second most
	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine 6123 - L Canopy Species White Spruce	d Upland D % Cover 35 40 3 10 2 10 2 10 cowland Fir % Cover 5	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Pole Log Size Class Pole/Sapling	DBH 9 17 6 10 7 12	er Well 66 102	Sub-Car Ba Re Ja Black/Re Re 12.6 Sub-Car Ta	hopy Species Isam Fir ad Pine ck Pine d (Hybrid) Oak d Maple 46 hopy Species g Alder	Density Low Low Medium Medium 1-50 Density Full	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling	This stand is too wet to harvest/has stunted trees and is unproductive for growing timber. A narrow 2-4 foot wide stream flows to the southeast through this stand. A loop was made through the center of the stand. was found that the stand was deaminate to sapling sized balsam fir, wit scattered sapling/pole/log black spruce making up the second most dominate component.A residual tree cut was completed in the
	4199 - Other Mixed Canopy Species Bigtooth Aspen Red Oak Balsam Fir Red Maple Jack Pine Red Pine 6123 - L Canopy Species White Spruce Paper Birch	d Upland D % Cover 35 40 3 10 2 10 ∞wland Fir % Cover 5 5 5	eciduous S. Size Class Pole/Log Log/XLog Pole Log/Pole Log Cog Size Class Pole/Sapling Sapling	DBH 9 17 6 10 7 12 Sapling DBH 5 2	er Well 66 102	Sub-Car Ba Re Ja Black/Re Re 12.6 Sub-Car Ta	hopy Species Isam Fir ad Pine ck Pine d (Hybrid) Oak d Maple 46 hopy Species g Alder	Density Low Low Medium Medium 1-50 Density Full	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling	east. This stand is too wet to harvest/has stunted trees and is unproductive f growing timber. A narrow 2-4 foot wide stream flows to the southeast through this stand. A loop was made through the center of the stand. was found that the stand was deaminate to sapling sized balsam fir, wit scattered sapling/pole/log black spruce making up the second most

Report 7 – Stands



Stand	Level 4 Co	over Type	5	Size De	ensity	Acres Stand Age B/	ARange	Managed S	Site	Year of Entry: 2024 General Comments
87	4191 - Mixed Upla Co	and Deciduo onifer	ous with Sav	wtimbe	r Medium	n 10.5 102	1-50	N/A		This stand of timber has been sold and should be harvested in the near future.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	20	Log	12		Red Pine	Trace	Variable	Sapling	
	Bigtooth Aspen	5	Pole/Log	8		White Pine	Trace	Variable	Sapling	
	Red Pine	10	XLog/Log	20		Red Maple	Low	Variable	Sapling	
	Black Cherry	2	Pole	6		Jack Pine	Low	Variable	Sapling	
	Red Oak	47	Log	15	102	Beech	Trace	Variable	Sapling	
	Balsam Fir	5	Pole	6		Black/Red (Hybrid) Oak	Medium	Variable	Sapling	
	White Pine	1	Log/Pole	11		Black Cherry	Low	Variable	Tall Shrub	
	Jack Pine	10	Pole/Log	9		Balsam Fir	Low	Variable	Sapling	
						White Oak	Low	Variable	Sapling	
88	3102	- Grass		Nonsto	ocked	1.0				Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 11-12 Permit No: 51751
										MPSC No: 5639
89	42220 - Nati	ural Jack Pi	ine Pol	etimbe	r Medium	n 3.8 30	1-50	N/A		MPSC No: 5639 This is open grown bushy pine.
89	42220 - Nate Canopy Species		ine Pol Size Class		r Medium I Age	n 3.8 30	1-50	N/A		
89						n 3.8 30	1-50	N/A		This is open grown bushy pine.
89	Canopy Species	% Cover	Size Class	DBH	I Age	n 3.8 30	1-50	N/A		This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this
89	Canopy Species Jack Pine	% Cover 70	Size Class Pole/Sapling	DB F 6	I Age	n 3.8 30	1-50	N/A		This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this
	Canopy Species Jack Pine White Pine Red Pine	% Cover 70 25	Size Class Pole/Sapling Pole/Sapling Sapling	DBH 6 5 1	I Age	n 3.8 30 40.1 84	1-50	N/A N/A		This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the
	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir	% Cover 70 25 5	Size Class Pole/Sapling Pole/Sapling Sapling	DBH 6 5 1 awtimb	Age 30 er Poor	40.1 84	1-50	N/A	Size	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on
90	Canopy Species Jack Pine White Pine Red Pine	% Cover 70 25 5	Size Class Pole/Sapling Pole/Sapling Sapling	DBH 6 5 1 awtimb	30				Size Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen,
90	Canopy Species Jack Pine White Pine Red Pine 4310 - Pin Canopy Species	% Cover 70 25 5 me, Oak Mix % Cover	Size Class Pole/Sapling Pole/Sapling Sapling Size Class	DBH 6 5 1 awtimb	Age 30 er Poor	40.1 84 Sub-Canopy Species	1-50 Density	N/A Avg. Height	-	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01;
90	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak	% Cover 70 25 5 ne, Oak Mix % Cover 50	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log	DBH 6 5 1 awtimb DBH 20	I Age 30 er Poor I Age	40.1 84 Sub-Canopy Species Jack Pine	1-50 Density Medium	N/A Avg. Height Variable	Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with
90	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak	% Cover 70 25 5 ne, Oak Mix % Cover 50	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log	DBH 6 5 1 awtimb DBH 20	I Age 30 er Poor I Age	40.1 84 Sub-Canopy Species Jack Pine Red Maple	1-50 Density Medium Medium	N/A Avg. Height Variable Variable	Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand.
90	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak	% Cover 70 25 5 ne, Oak Mix % Cover 50	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log	DBH 6 5 1 awtimb DBH 20	I Age 30 er Poor I Age	40.1 84 Sub-Canopy Species Jack Pine Red Maple Bigtooth Aspen	1-50 Density Medium Medium Medium	N/A Avg. Height Variable Variable >20 feet	Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory: 40% BT 4 in
90	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak	% Cover 70 25 5 ne, Oak Mix % Cover 50	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log	DBH 6 5 1 awtimb DBH 20	I Age 30 er Poor I Age	40.1 84 Sub-Canopy Species Jack Pine Red Maple Bigtooth Aspen Red Pine	1-50 Density Medium Medium Medium Low	N/A Avg. Height Variable Variable >20 feet Variable	Sapling Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory:
90 Blac	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak Red Pine	% Cover 70 25 5 ne, Oak Mix % Cover 50	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log Log/XLog	DBH 6 5 1 awtimb DBH 20	Age 30 er Poor Age 84	40.1 84 Sub-Can⊃y Species Jack Pine Red Maple Bigtooth Aspen Red Pine Black/Red (Hybrid) Oak	1-50 Density Medium Medium Medium Low	N/A Avg. Height Variable Variable >20 feet Variable	Sapling Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory: 40% BT 4 in 10% RP 2 in 20% JP 3 in 20% MO 2 in 10% RM 2 in
90 Blac	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak Red Pine	% Cover 70 25 5 ne, Oak Mix % Cover 50 50 50 - Soo	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log Log/XLog	DBH 6 5 1 awtimbb 20 16 Saplin	Age 30 er Poor Age 84	40.1 84 Sub-Canoyy Species Jack Pine Red Maple Bigtooth Aspen Red Pine Black/Red (Hybrid) Oak	1-50 Density Medium Medium Low Medium	N/A Avg. Height Variable Variable Variable Variable	Sapling Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory: 40% BT 4 in 10% RP 2 in 20% JP 3 in 20% MO 2 in 10% RM 2 in
91	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak Red Pine	% Cover 70 25 5 ne, Oak Mix % Cover 50 50 50 - Soo	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log Log/XLog	DBH 6 5 1 awtimbb 20 16 Saplin	a Well	40.1 84 Sub-Canopy Species Jack Pine Jack Apple Bigtooth Aspen Red Pine Black/Red (Hybrid) Oak 17.1 3	1-50 Density Medium Medium Low Medium	N/A Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory: 40% BT 4 in 10% RP 2 in 20% MO 2 in 10% RM 2 in
90 Blac	Canopy Species Jack Pine White Pine Red Pine 4310 - Pir Canopy Species ck/Red (Hybrid) Oak Red Pine 4130	% Cover 70 25 5 ne, Oak Mix % Cover 50 50 50 50 50 50 50 So So % Cover % Cover	Size Class Pole/Sapling Pole/Sapling Sapling Size Class XLog/Log Log/XLog	DBH 6 5 1 awtimb 20 16 Sapling	a Well	40.1 84 Sub-Canopy Species Jack Pine Bigtooth Aspen Red Pine Black/Red (Hybrid) Oak 17.1 3 Ir Sub-Canopy Species	1-50 Density Medium Medium Low Medium	N/A Avg. Height Variable >20 feet Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Sapling	This is open grown bushy pine. All white pine and red pine sawlog trees were likely harvested from this stand in October of 1984 as part of Timber Sale Number 54-076-83-02. This stand was borderline between a sapling stand and a log stand at the time of the 2024 YOE Inventory. Future management will likely focus on the younger age class. The younger age class is diverse with aspen, jack pine, and oak often occurring in pockets of dominance. In Timber Sale Name: Hoosier's Holiday Sale; Sale No: 54-002-94-01; closed out in September 1995, all trees with a merchantable stick, with the exception of oak and red pine, were harvested from this stand. Understory during the 2024 YOE Inventory: 40% BT 4 in 10% RP 2 in 20% MO 2 in 10% RM 2 in The oak regeneration is heavily browsed. The amount of oak that will recruit to the eventual overstory is uncertain. A natural regeneration check was completed during the 2024 YOE Inventory. The natural

landing.

Report 7 – Stands

DNR BURGEN

Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
92	42110 - Plan	ited Red P	line	Sapling	l Poor	7.4	6	Immature	N/A		The red pine are 3-6 feet tall on average at the time of the 2024 YOE
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	This stand was planted to red pine on 4/23/16.
	Red Pine	100	Sapling	1	6	R	ed Oak	Trace	5 - 10 feet	Sapling	Year 3 regen survey: 878 RP/ac
						Sw	eet Fern	Full	< 5 feet	Tall Shrub	
						Pir	n Cherry	Trace	5 - 10 feet	Sapling	
93	42220 - Natu	ıral Jack F	Pine	Sapling	l Poor	24.3	12	Immature	N/A		This is a nice mixed stand dominated by naturally regenerated jack pine.
	Canopy Species	% Cover	Size Class	DBH	I Age						This stand was harvested as part of Timber Sale Name: Finger Pine II; Timber Sale No: 54-012-04-01 that was closed out in July 2008.
Blac	k/Red (Hybrid) Oak	10	Sapling	2							
	Red Pine	2	Log/XLog	16	88						
	Black Cherry	4	Sapling	1							
	Jack Pine	69	Sapling	2	12						
	Red Pine	1	Sapling	3							
Blac	k/Red (Hybrid) Oak	1	Log/XLog	16							
	White Oak	5	Sapling	2							
	Bigtooth Aspen	8	Sapling	1	14						
94	42220 - Natu	ıral Jack F	Pine	Sapling	g Well	13.0	25	1-50	N/A		All trees with a merchantable stick were harvested from this stand, with
	Canopy Species	% Cover	Size Class	DBH	l Age						the exception of oak and red pine, via Timber Sale Name: First Out Sale; Timber Sale Number: 54-001-94-01; this sale was closed in September
	White Oak	2	Sapling	3							of 1995.
	Jack Pine	68	Sapling/Pole	9 4	25						
	Red Pine	5	Log	12							
Blac	k/Red (Hybrid) Oak	10	Sapling	3							
Blac	k/Red (Hybrid) Oak	15	Log	15							
95	310 - Herbace	eous Open	land	Nonsto	ocked	1.6			No		
96	42120 - Plan	ted Jack F	Pine	Sapling	g Well	20.3	24	Immature	N/A		The planted jack pine are doing well. All trees with a merchantable stick,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	with the exception of select green marked trees, were harvested from this stand in a sale closed out in August of 1996; Timber Sale Name: Flat
	Jack Pine	89	Sapling/Pole		24		ik (spp.)	Low	< 5 feet	Sapling	Tire; Sale Name: 54-050-94-01.
	White Oak	1	Sapling	2			/	I	1	. 0	
Blac	k/Red (Hybrid) Oak	5	Sapling	2							

Report 7 – Stands



Stand	Level 4 Co	over Type	:	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
97	42220 - Natu	ural Jack Pi	ine P	Poletimb	er Well	21.1	55		N/A		This timber is set up, sold, and should be harvested in the near future.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Jack Pine	94	Pole/Log	8	55	Wł	nite Pine	Trace	Variable	Sapling	
	Red Pine	1	Log	14		Ja	ick Pine	Low	Variable	Sapling	
Blac	ck/Red (Hybrid) Oak	1	Log	16		Re	ed Pine	Trace	Variable	Sapling	
	Balsam Fir	2	Pole	7		Black/Re	d (Hybrid) Oak	Low	Variable	Sapling	
	Bigtooth Aspen	2	Log	14							
98	42120 - Plan	ted Jack P	ine P	oletimb	er Well	l 11.3	27		N/A		All trees with a merchantable stick were harvested from this stand via
	Canopy Species	% Cover	Size Class	DBH	Age						Timber Sale Name: First Out Sale; Timber Sale Number: 54-001-94-01; this sale was closed in September of 1995. This stand was subsequent
	Jack Pine	96	Pole/Sapling		27						planted to jack pine.
	Black Cherry	2	Sapling/Pole	4							
Blac	ck/Red (Hybrid) Oak	2	Sapling/Pole	4							
99	3102 - Grass Nonstocked					1.2	I	mmature			Well Pad SiteRiverside Energy Michigan, LLC(989) 705-7665State Briley 9-12Permit No: 51752MPSC No: 8640
100	42120 - Plan	ted Jack P	ine	Sapling	Well	15.2	25		N/A		The planted jack pine are doing well. All trees with a merchantable stick
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	with the exception of red pine were harvested from this stand in a sale closed out in August of 1996; Timber Sale Name: Flat Tire; Sale Name:
	Jack Pine	97	Sapling/Pole		25	Oa	ak (spp.)	Low	Variable	Sapling	54-050-94-01.
Blac	ck/Red (Hybrid) Oak	1	Sapling	1		Che	erry (spp.)	Low	Variable	Tall Shrub	
	Red Pine	2	Log	12							1
101	42120 - Plan	ted Jack P	ine P	Poletimb	er Well	35.1	36		N/A		There are scattered large oak and pole/log red pine along the south- central edge of the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	1	Pole/Log	9		Wł	nite Pine	Low	Variable	Sapling	
	Jack Pine	96	Pole	6	36		ck Cherry	Low	Variable	Sapling	
Blac	ck/Red (Hybrid) Oak	3	XLog/Log	18		Black/Re	d (Hybrid) Oak	Low	Variable	Sapling	
102	42220 - Natu	ural Jack Pi	ine P	oletimb		8.7	60		N/A		This jack pine has been set up, sold, and should be harvested in the nea
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	5	Pole	7			nite Pine	Trace	Variable	Sapling	
	Quaking Aspen	5	Pole	7		Black/Re	d (Hybrid) Oak	Medium	Variable	Sapling	
	Jack Pine	88	Pole	7	60	Re	ed Pine	Trace	Variable	Sapling	
	Red Pine	1	Log	12		Ja	ick Pine	Medium	Variable	Sapling	
	White Pine		9	8		04		Wealum	Valiable	Saping	

Report 7 – Stands

		-									Year of Entry: 2024
stand	Level 4 Co	over Type	S	Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
103	42210 - Nat	ural Red P	ine Sa	awtimt	er Wel	9.8	75	111-140	N/A		YOE 2024 Inventory measurements: (160, 180, 120, 160, 80, 120, 90,
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	110). There is a 1 acre aspen inclusion pocket north of the wildlife opening that has been included in the stand.
	Red Pine	85	Log/XLog	14	75	R	ed Oak	Medium	10 - 20 feet	Sapling	
	Quaking Aspen	5	Pole	8		Wł	nite Oak	Medium	10 - 20 feet	Sapling	All trees with a merchantable stick were harvested from this stand, with
	White Pine	5	Log	12		Re	d Maple	Full	10 - 20 feet	Sapling	the exception of red pine, in January of 1985 via Timber Sale Name: N Trails Block; Timber Sale Number: 54-038-84-01 (Closed out in Janua
	Jack Pine	5	Log/Pole	10							of 2006).
104	4133 - Aspe	en, Mixed P	ine Po	oletimt	er Wel	I 7.6	47	51-80	N/A		This is very poor quality quaking aspen with conks and signs of rot.
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Pine	5	Log/Pole	13		Wł	nite Pine	Low	Variable	Sapling	
	Quaking Aspen	60	Pole	8	47	Black/Re	d (Hybrid) Oa	k Low	Variable	Sapling	
	Red Maple	5	Log/Pole	11		Ba	Isam Fir	Low	Variable	Sapling	
	White Pine	30	Log/Pole/XLog	12		<u></u>					
105	4130	- Aspen		Saplin	g Well	77.1	9	Immature	N/A		The harvest of this stand was completed in December of 2013 as part
	Canopy Species	% Cover	Size Class	DBł	I Age						Timber Sale Name: Detroit Lubricator Aspen; Timber Sale No.: 54-042 10-01. Large oak, red pine, and white pine were left as residuals durir
	Red Oak	15	Sapling	1							harvest.
	White Pine	1	XLog/Log	18							
	Black Cherry	7	Sapling	1							
	Red Pine	1	Log	16							
	Red Oak	1	Log	16							
	Red Maple	10	Sapling	1							
	Bigtooth Aspen	65	Sapling	1	9						
106	6124 - Lowla	and Spruce	-Fir s	Sapling	g Poor	1.1	37	1-50	N/A		This stand is too wet to harvest.
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Paper Birch	10	Sapling	4		Та	ng Alder	High	5 - 10 feet	Tall Shrub	
	Black Spruce	33	Pole/Sapling	5		Ba	lsam Fir	Medium	Variable	Sapling	
Nor	thern White Cedar	7	Sapling/Pole	4							
	Red Maple	10	Sapling/Pole	4							
	Balsam Fir	40	Sapling/Pole	4	37						
107	4125 - Blac	, -			er Wel		64	81-110	N/A		This is a medium quality oak stand. There are some older larger diameter oak along the west and north edges of the stand that were no
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	harvested when the larger body of this stand was harvested.
	Red Maple	30	Log/Pole	10			nite Pine	Low	Variable	Sapling	
	White Pine	2	Pole/Log/XLog	8		Black/Re	d (Hybrid) Oa	k Low	Variable	Sapling	
	White Oak	5	Log	14		Re	d Maple	Low	Variable	Sapling	
	k/Red (Hybrid) Oak	63	Log	11	64	۱۸/۲	nite Oak	Low	Variable	Sapling	

Report 7 – Stands



Stand	Level 4 Cover Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments	
108		42111 - Planted Red Pine, Mixed Deciduous				31.5	9	Immature	N/A		Red pine planted in 2013. During the 2024 YOE Inventory the red pine were averaging around 10 feet tall. This stand has been updated from a
	Canopy Species	% Cover	Size Class	DBH	Age						field evaluation for a project on free to grow red pine. Pre-commercial thinning completed on 7/7/21
	Red Maple	10	Sapling	1	-						
	Black Cherry	30	Sapling	1							
109	3102	- Grass		Nonsto	cked	0.9	0				Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 5-1 Permit No: 51929 MPSC No: 8745
110	42110 - Pla	nted Red P	ine	Sawtimb	er Well	4.7	73	141-170	N/A		This is long term retention from Timber Sale Name: Compartment 39
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Speci	es Density	Avg. Height	Size	RPP; Timber Sale No: 54-043-09-01
	Bigtooth Aspen	2	Pole/Log	8		Re	ed Maple	High	Variable	Sapling	
	White Pine	2	Log/XLog	16							
	Red Maple	2	Pole/Log	8							
	Red Pine	94	Log	15	73						
111	3102	- Grass		Nonsto	cked	0.9					Well Pad SiteRiverside Energy Michigan, LLC(989) 705-7665State Briley 2-11Permit No: 51756MPSC No: 8643
112	3102	- Grass		Nonsto	cked	0.9					Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 11-1 Permit No: 52107 MPSC No: 8726
113	3102	- Grass		Nonsto	cked	1.6		Unspecified	No		This wildlife opening was created in August of 1984 (originally grass).
114	3102	- Grass		Nonsto	cked	1.0	0				Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 7-2 Permit No: 52056 MPSC No:
115	310 - Herbac	eous Open	land	Nonsto	cked	0.5		Immature	No		This is a wildlife opening adjacent to a gas well pad.
116	622 - Lov	vland Shrut)	Nonsto	cked	2.6		Immature	No		

Report 7 – Stands

Stand	tand Level 4 Cover 1			Size De	ensity	Acres	Stand Age	BA Range	A Range Managed Site		General Comments		
117	4310 - Pii	ne, Oak Mix	k S	Sawtimb	er Well	5.2	90	81-110	N/A		This stand was retained during the timber harvests to the east due to its location on the east shore of Jackson Lake.		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	location on the east shore of Jackson Lake.		
	Red Maple	15	Log/Pole	11		W	hite Pine	Medium	Variable	Sapling			
	Red Oak	25	Log	15	97	Re	ed Maple	Low	Variable	Sapling			
	Red Pine	30	Log	14	90	Oa	ak (spp.)	Low	Variable	Sapling			
	Bigtooth Aspen	10	Log	12									
	White Pine	20	Log/XLog	16									
118	6230	- Cattail		Nonsto	ocked	2.2		Immature	No		Cattail with lowland shrub around the edge		
119	4130	- Aspen		Sapling	g Well	11.1	2	Immature	N/A		Oak and white pine were retained during the last harvest.		
	Canopy Species	% Cover	Size Class	DBH	I Age								
	Red Maple	5	Sapling	1	2								
	Red Oak	3	Log/XLog	16	93								
	Bigtooth Aspen	10	Sapling	1	2								
	Balsam Fir	2	Sapling	2									
	White Pine	5	Log/Pole/Sa	p 12									
	Quaking Aspen	72	Sapling	1	2								
	White Oak	3	Log	12									
120	4123 -	Red Oak	:	Sawtimb	er Well	14.1	97	81-110	N/A		Jackson Lake State Camp Ground		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Red Pine	5	Log	16	90	Re	ed Maple	Medium	Variable	Sapling			
	Bigtooth Aspen	5	Log/Pole/Sa	p 12		Ba	llsam Fir	Low	Variable	Sapling			
	White Pine	5	Log	15		Bla	ck Cherry	Low	Variable	Sapling			
	White Oak	1	Log	14		W	hite Pine	High	Variable	Sapling			
	Red Maple	19	Log/Pole	11									
	Red Oak	65	Log	15	97								
121	3102	- Grass		Nonsto	ocked	0.8	ι	Inspecified	No		Well Pad Site Riverside Energy Michigan, LLC (989) 705-7665 State Briley 16-2 Permit No: 52106 MPSC No: 8725		

Report 7 – Stands

Atlanta Mgt. Unit							Repo	ort 7 – Sta	ands		Compartment: 39 Year of Entry: 2024
Stand	Level 4 Cover Type Size Density					Acres Stand Age BA Range Manag				Site	General Comments
122	4191 - Mixed Upla Co	ind Decidu nifer	ous with	Sawtimb	er Well	3.8	97	81-110	N/A		This stand likely say an aspen and red maple species removal around 1985. Ages were not verified due to the small size of the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
(Quaking Aspen	5	Pole	6		Re	d Maple	High	>20 feet	Sapling	
	Red Maple	15	Pole/Sapling	g 5						1	
	Black Spruce	1	Pole	6							
Nor	thern White Cedar	5	Pole	8							
Blac	k/Red (Hybrid) Oak	30	Log/XLog	16	97						
	Balsam Fir	15	Pole/Sapling	g 5							
	Bigtooth Aspen	21	Pole	6	37						
	White Pine	3	Log	12							
	White Oak	5	Log	14							
123		- Aspen		Poletimb		16.5	37	1-50	N/A		All trees with a merchantable stick with the exception of white oak were harvested from this stand (from 1984 to 1986) as part of Timber Sale
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	Name: Many Trails Block; Timber Sale Number: 54-031-84-01. The
	White Pine	1	Pole	7			nite Oak	Low	Variable	Sapling	residual white oak are much less dense and more spaced out in this
	Red Maple	15	Sapling/Pole			Re	d Maple	High	Variable	Sapling	stand than they are in the stand to the west. The log sized white oak an highly variable in age, even among oak of similar diameter (somewhere
	Bigtooth Aspen	79	Pole	6	37						in the range of 68 to 129 years in march of 2022).
	White Oak	5	Log	15							
124	4130	- Aspen		Sawtimb	er Well	30.2	59	81-110	N/A		The half acre wildlife opening at the north edge of the west end of the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stand was created in August of 1984 (originally grass).
	Red Maple	10	Log/Pole	11		Wh	ite Pine	Medium	Variable	Sapling	
I	Bigtooth Aspen	75	Log/Pole	10	59	Wh	nite Oak	Low	Variable	Sapling	
	White Pine	15	Log/Pole	11		Re	d Maple	High	Variable	Sapling	
	1100	- Aspen		Poletimb	er Well	11.0	44	51-80	N/A		The aspen are not doing well in this spoil. These are very poor quality
126	4130					Cub Ca	nopy Species	Density	Avg. Height	Size	aspen with conks and signs of rot.
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cai	Topy Species				
-		% Cover 46	Size Class Pole	DBH 7	Age		rry (Juneberry)		10 - 20 feet	Tall Shrub	
-	Canopy Species				-	Servicebe	., .		. .		
(Canopy Species Quaking Aspen	46	Pole	7	-	Servicebe Che	rry (Juneberry)	Medium	10 - 20 feet	Tall Shrub	
(Canopy Species Quaking Aspen Jack Pine	46 3	Pole Pole	7 6	44	Servicebe Che	rry (Juneberry) rry (spp.)	Medium Medium	10 - 20 feet Variable	Tall Shrub Tall Shrub	

Report 7 – Stands

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											Year of Entry: 2024
Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
127	429 - Mixed U	pland Con	ifers S	Sawtimb	er Well	2.3	70	111-140	N/A		Old large legacy type white pine are present. A narrow 2-4 foot wide
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stream flows to the southeast through this stand.
	Red Pine	2	Log	16		Ba	lsam Fir	High	Variable	Sapling	
	Paper Birch	2	Log	12							
	White Pine	25	Log/XLog	17							
	White Spruce	15	Log	14							
	Balsam Fir	41	Pole	8	70						
	Red Maple	15	Log	14							
128	4130 -	Aspen		Sapling	g Well	5.7	26	1-50	N/A		All trees with a merchantable stick were harvested from this stand, with
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the exception of oak and red pine, via Timber Sale Name: First Out Sale Timber Sale Number: 54-001-94-01; this sale was closed in September
	Quaking Aspen	20	Sapling/Pole	4	26	Oa	ik (spp.)	Low	5 - 10 feet	Sapling	of 1995.
Blac	k/Red (Hybrid) Oak	1	Log	16		Che	erry (spp.)	Medium	5 - 10 feet	Tall Shrub	
	Red Pine	1	Log	12							
	Red Maple	10	Sapling	2							
Blac	k/Red (Hybrid) Oak	10	Sapling	3							
	Bigtooth Aspen	48	Sapling/Pole	4	26						
	Jack Pine	10	Sapling/Pole	4							
129	4130 -	Aspen		Sapling	g Well	3.5	27		N/A		All trees with a merchantable stick were harvested from this stand via
	Canopy Species	% Cover	Size Class	DBH	I Age						Timber Sale Name: First Out Sale; Timber Sale Number: 54-001-94-01; this sale was closed in September of 1995. This stand was subsequent
	Bigtooth Aspen	85	Sapling/Pole		27						planted to jack pine.
Blac	k/Red (Hybrid) Oak	5	Sapling/Pole	4							
	Jack Pine	10	Sapling/Pole	4							
130	6120 - Lov	/land Ceda	ar F	Poletimb	er Well	2.3	100		N/A		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	10	Pole	8		Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	
Nor	rthern White Cedar	80	Pole/Log	8	100	Ba	lsam Fir	High	Variable	Sapling	
_	Balsam Fir	10	Pole	8							
131	6117 - Lowland I Coni	Deciduous, ferous	Mixed S	Sawtimb	er Well	1.7	97	81-110	N/A		This is a small stand between a lowland treed bog and planted red pine.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Log/Pole	11		Blac	k Spruce	Low	10 - 20 feet	Sapling	
	White Pine	25	Log/XLog	16							
	Red Pine	5	Log/XLog	16							
		0	209,7 (209	10							

Report 7 – Stands



T OF NATURAL

	Atlanta Mgt. Unit						керс	ori 7 – Sia	ands		Compartment: 39 Year of Entry: 2024		
Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments		
132	429 - Mixed U	pland Co	nifers Po	oletimb	er Well	1.6	36	51-80	N/A				
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size			
	White Pine	53	Pole/Log	8	36	Red	Maple	Low	Variable	Sapling			
	Quaking Aspen	4	Pole	6		Bals	am Fir	Medium	Variable	Sapling			
	Red Maple	3	Pole/Sapling	5							-		
	Balsam Fir	40	Pole/Sapling	6									
133	4191 - Mixed Upla Coi	nd Decidu nifer	uous with Sa	awtimb	er Well	8.7	82	51-80	N/A		This stand held much water through the central region when inventoried. The northeast portion of the stand was not walked though.		
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size			
	White Pine	5	Log/Pole/XLog	12		Red	Maple	Medium	>20 feet	Sapling			
	Red Pine	10	XLog	22	146	Bals	am Fir	High	Variable	Sapling			
	Balsam Fir	20	Pole/Sapling	6									
	Quaking Aspen	25	Log/Pole	13									
	Red Maple	25	Log/Pole	13	82								
	Bigtooth Aspen	10	Pole	8									
	Paper Birch	5	Pole/Log	8									
134	4126 - White, B	lack, N. P	Pin Oak Sa	awtimb	er Well	11.8	102	51-80	N/A		The BA in the northern 2/3 of the stand is higher (50-110). The BA in the		
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	southern 1/3 of the stand is below 50. The southern 1/3 of the stand is 2 aged, with dense aspen in the subcanopy; most of which was around 3		
	White Oak	20	Log	12		Bigtoo	th Aspen	Medium	>20 feet	Sapling	inches in DBH during the 2024 YOE Inventory. The red pine is		
	White Pine	1	Pole/Log	9		Red	Maple	Medium	Variable	Sapling	concentrated at the north end of the stand. The aspen, red maple, and		
	Bigtooth Aspen	10	Pole	5	21	Whit	te Pine	Low	Variable	Sapling	pine (except red pine) with a merchantable stick along with most oak under 8 inches DBH were harvested from this stand as part of Timber		
	Red Pine	10	Pole/Log	8		Black	Cherry	Low	Variable	Sapling	Sale Name: Breakup Shelterwood; Timber Sale No: 54-021-94-01 that		
Blac	k/Red (Hybrid) Oak	59	Log	15	102	Black/Red	(Hybrid) Oak	Low	Variable	Sapling	was closed out in May of 1997.		
						Whi	te Oak	Low	Variable	Sapling			
135	6120 - Low	land Ced	ar Sa	awtimb	er Well	1.9	138		N/A		This is a unique cedar stand that is too wet to harvest. Protect this stand		
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	with a minimum 100 foot wide section of edge trees on all sides.		
	Red Maple	1	Log	17		Bals	am Fir	Medium	Variable	Sapling			
	White Pine	1	Log/XLog	16									

Red Pine

Balsam Poplar

White Spruce

Paper Birch

Black Spruce

Northern White Cedar

1

1

1

1

1

93

16

15

13

13

12

11 138

Log/XLog

Log

Log

Log

Log

Log/Pole

Report 7 – Stands

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MICHIGAN

Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed Si	te	General Comments	
136	4311 - Pine, Aspen Mix			Sapling Poor		0.8 5	5	Immature	N/A		This is white pine planted in rows in an effort to restore a timber sale	
	Canopy Species % Cove		Size Class	DBH Age							landing. Most of the white pine are reasonably healthy. Some white pine are showing signs of die back in their branches.	
	White Pine	51	Sapling	1	5							
	Bigtooth Aspen	49	Sapling	1								
137	4400 Other Mine				Sawtimber Well				N/A		2024 YOE Inventory BA Measurements: (130, 80, 100, 80, /130, 150, $-$ 170, 110, 80, 90). This stand is younger than the stand to the east and	
		•				_		81-110				
	Canopy Species	d Upland D % Cover			er Well Age	_	59 nopy Species		N/A Avg. Height	Size	$_{ m l}$ 170, 110, 80, 90). This stand is younger than the stand to the east and	
		•		DBH		Sub-Car				Size Sapling		
	Canopy Species	% Cover	Size Class	DBH 10		Sub-Car Wh	nopy Species	Density	Avg. Height		170, 110, 80, 90). This stand is younger than the stand to the east and has lesser quality timber/soil and was therefore separated out from the stand to the east. Areas of the north/northeast are oak dominate and through careful dissection could be divided out from areas of the	
	Canopy Species White Oak	% Cover	Size Class Log/Pole	DBH 10 12	Age	Sub-Car Wh	nopy Species nite Oak	Density Medium	Avg. Height Variable	Sapling	170, 110, 80, 90). This stand is younger than the stand to the east and has lesser quality timber/soil and was therefore separated out from the stand to the east. Areas of the north/northeast are oak dominate and	