

Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54154 Entry Year 2020 Acreage: 1,531 County Presque Isle Management Area: Hammond Bay Lake Plain

Revision Date: 2018-03-27

Stand Examiner: Andrew Krugh

Legal Description:

T-36-N, R-2-E, Sections 13, 14 and 15

Identified Planning Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan. Swamp Conifer and Lowland aspen are the largest timber components in this compartment with several stands of pine.

Soil and topography:

Grayling-Graycalm-Montcalm Association with some Lupton-Tawas. Mostly level with some rolling hills.

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

Lands are mostly contiguous in the west portion of the compartment. Private holdings, mostly hunting camps, are scattered through out the compartment. Residential areas lie to the east and access is along Balch Rd. Historic Bearinger Township Hall is located

Unique Natural Features:

Several reported

Archeological, Historical, and Cultural Features:

Potential exists in several locations around the compartment but not within.

Special Management Designations or Considerations:

SCA Wooded Dune Swale in the east

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

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

Mineral Resource and Development Concerns and/or Restrictions

Sections 13-15, T36N-R2E, Presque Isle County

Two active sand/gravel pits are located to the southeast. Sand & gravel potential appears to be limited in most of the compartment. There does not appear to be any bedrock non-metallic mineral potential. There has been no drilling for oil & gas in this area and there is currently no known potential. There are no active mineral leases in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

County Road 646, Ocqueoc Lake Road and Balch Rd. access the bulk of the compartment; There are some two tracks that are in rough shape to access some of the areas.

Survey Needs:

None

Recreational Facilities and Opportunities:

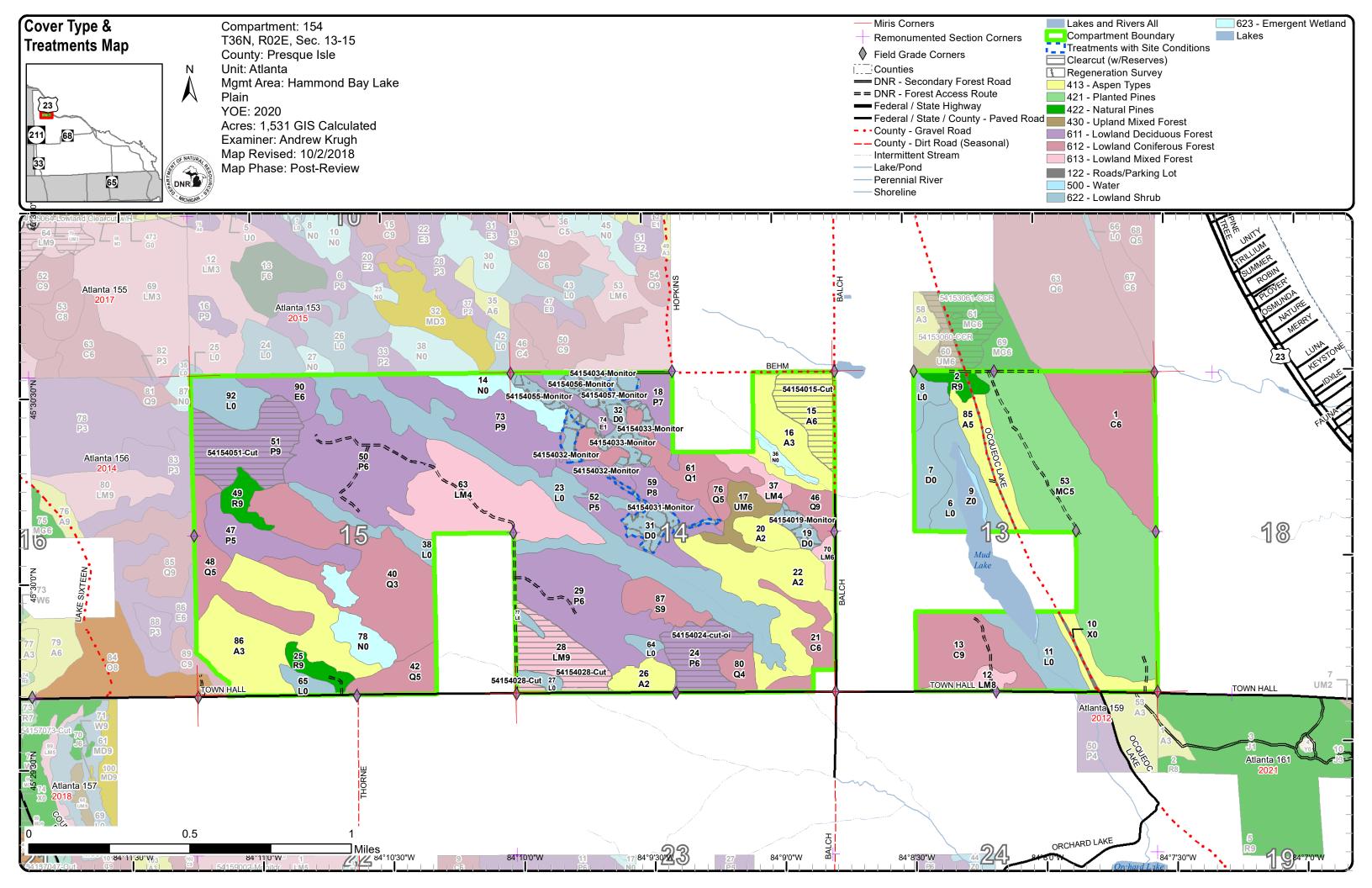
None

Fire Protection: MIDNR

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



Stand Boundary Мар

23

68

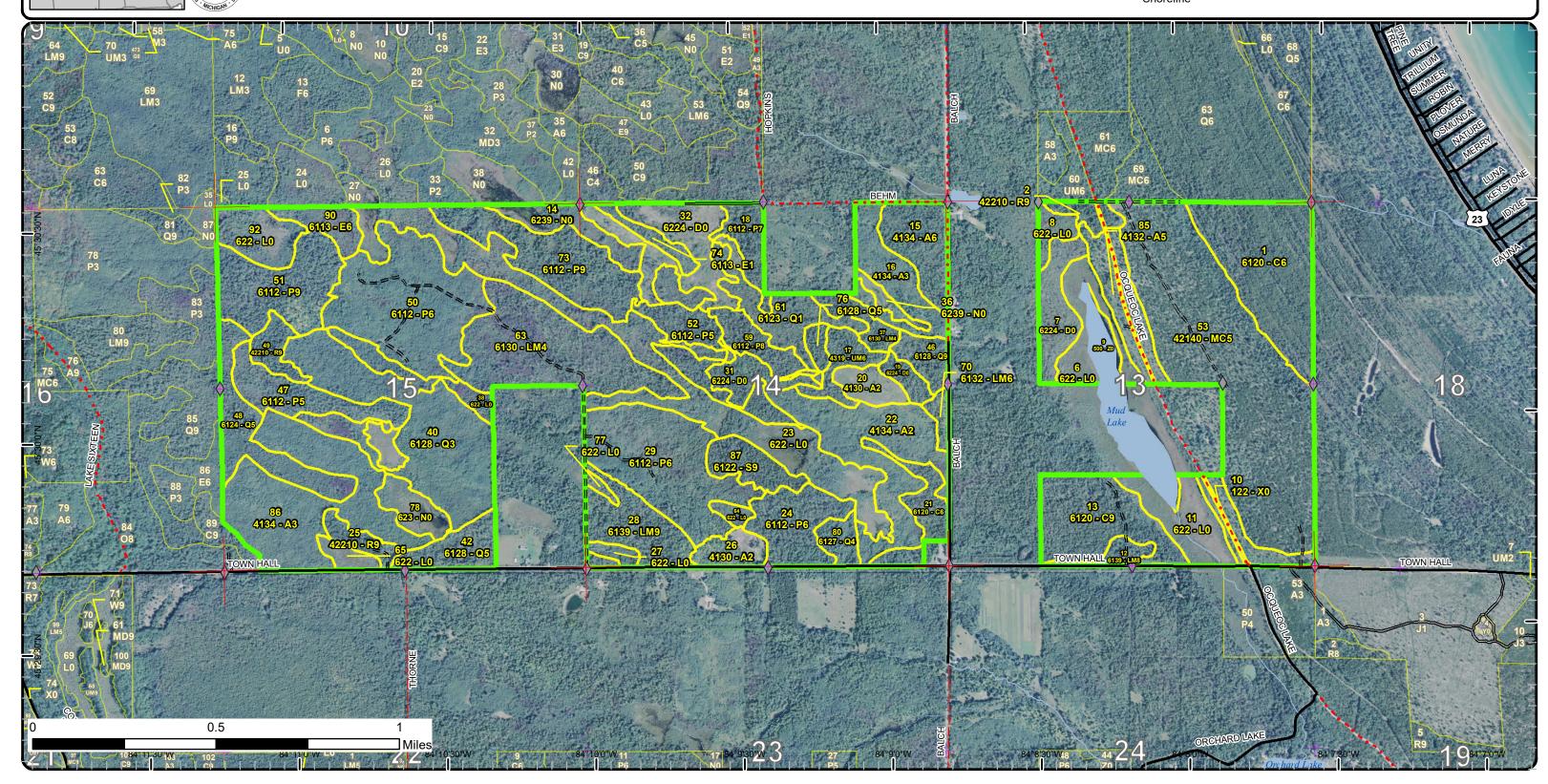
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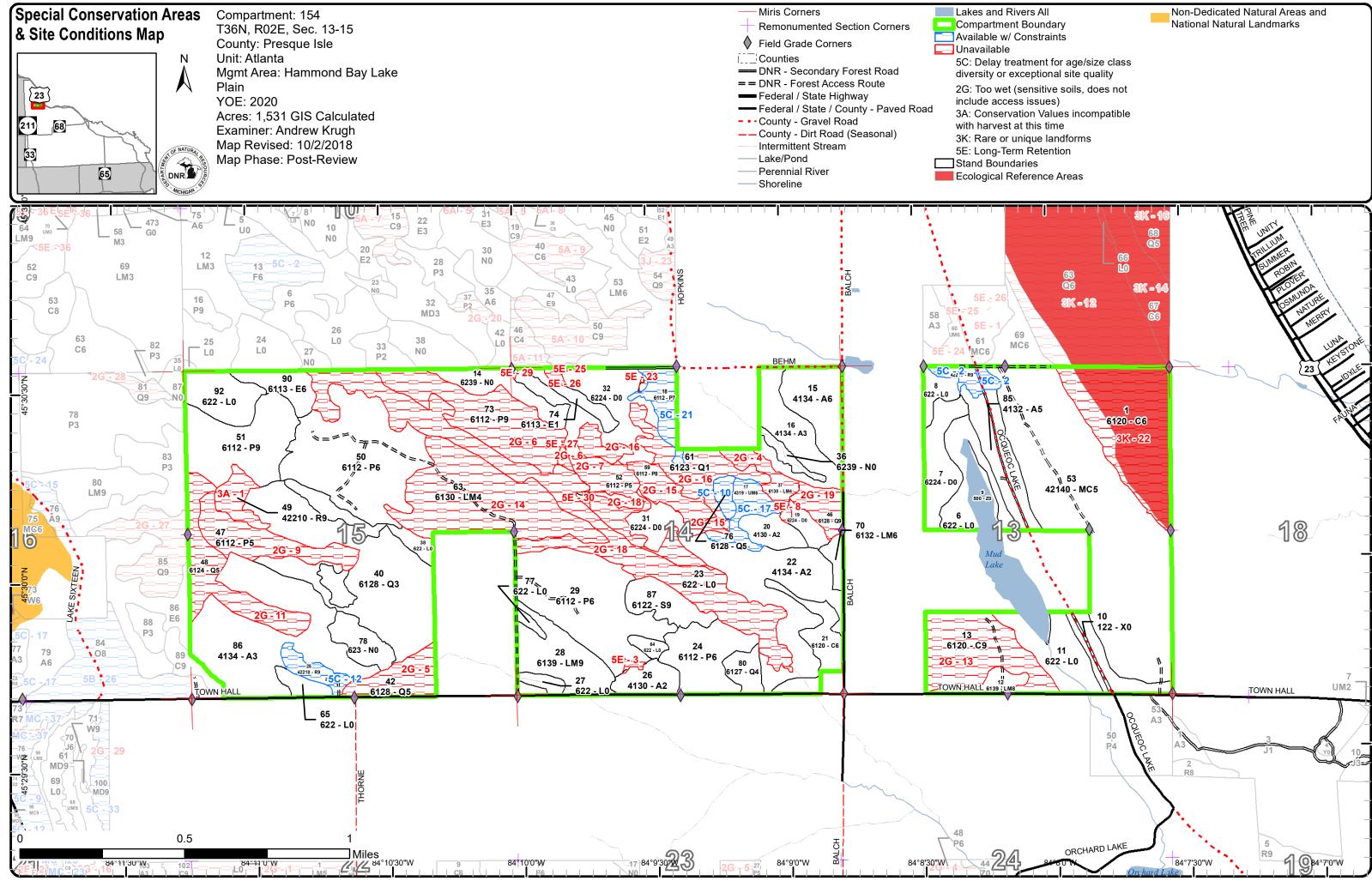
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Compartment: 154 T36N, R02E, Sec. 13-15 County: Presque Isle Unit: Atlanta Mgmt Area: Hammond Bay Lake Plain YOE: 2020 Acres: 1,531 GIS Calculated Examiner: Andrew Krugh Map Revised: 10/2/2018 Map Phase: Post-Review

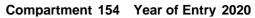


- Miris Corners Remonumented Section Corners Field Grade Corners Counties = DNR - Secondary Forest Road = = DNR - Forest Access Route Federal / State Highway -----Federal / State / County - Paved Road - - County - Gravel Road --- County - Dirt Road (Seasonal) Intermittent Stream -Lake/Pond -Shoreline
 - Lakes and Rivers All Compartment Boundary Stand Boundaries 413 - Aspen Types 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest 122 - Roads/Parking Lot 500 - Water
 - 622 Lowland Shrub
 - 623 Emergent Wetland



Atlanta Mgt. Unit

Andrew Krugh : Examiner





Age Class

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Aspen	0	21	34	157	0	0	24	0	0	0	0	0	0	0	0	0	0	0	236
Cedar	0	0	0	0	0	0	0	0	0	0	17	63	0	0	43	0	0	0	123
Lowland Aspen/Balsam Poplar	0	0	0	0	137	0	13	0	82	99	0	0	0	0	0	0	0	0	331
Lowland Conifers	0	0	31	89	0	0	0	0	4	0	28	30	0	0	0	0	0	0	181
Lowland Deciduous	0	0	0	0	7	0	12	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Mixed Forest	0	0	0	0	0	0	6	0	77	0	34	0	0	0	0	0	0	0	117
Lowland Shrub	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	15
Marsh	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Planted Mixed Pines	0	0	0	0	156	0	0	0	0	0	0	0	0	0	0	0	0	0	156
Red Pine	0	0	0	0	0	0	0	0	0	7	0	8	0	0	0	0	9	0	24
Treed Bog	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	318	21	65	246	300	0	55	0	178	118	79	101	0	0	43	0	9	0	1531

Acres of Harvest

Year of Entry: 2020

Atlanta Mgt. Unit

Compartment 154 Total Compartment Acres: 1,531

Commercial Harvest - 122 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

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Aspen		24	0	0	0	0	0	0	0	0	24	
Lowland Aspen/Balsam Poplar		68	0	0	0	0	0	0	0	0	68	
Lowland Mixed Forest		30	0	0	0	0	0	0	0	0	30	
	Total	122	0	0	0	0	0	0	0	0	122	

Proposed and Next Step Treatments by Method

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Current		122	0	0	0	0	0	52	0	0	173	
Next Step		0	0	0	0	0	0	122	0	0	122	
	Total	122	0	0	0	0	0	173	0	0	295	

S t		А	tlanta Mgt. Unit		Re	eport 3	Treatmei	nts	•	ment: 154 Entry: 2020	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
15	54154015-Cut	24.1	4134 - Aspen, Spruce/Fir	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
		ut with 3-1	Site Condition: 0% retention. Use		ting spe	ec. Make	sure grouse sp	ecs are included.			
	<u>Step</u> Monito tments:	ring, Natu	ral Regen (Re-Inver	ntory)							
<u>Acce</u> <u>Reg</u>		ate to fully	stocked aspen, ma	iple, pine, ar	nd fir.						
<u>Othe</u> Com	e <u>r</u> ment:										
Prop	osed Start Date	<u>:</u> 10/1	/2019								
19	54154019- Monitor	5.3	6224 - Treed Bog	Nonstocke	d 0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Draft Field Boundary
-		regenera	Site Condition: tion per work instru	-	approv	ved metho	ds				
	<u>Step</u> tments:										
		m to high	stocking of any con	nbination of	spruce,	, fir, red m	aple, birch, ash	, and poplar result	ing in a mixed low	land stand	
Reg	en:						• • •	.,	5		
<u>Othe</u>		st complet	ed 2/10/17					, F . F			
<u>Othe</u> Com	er -harves	·	ed 2/10/17 /2017					, .			
<u>Com</u> Prop	<u>er</u> -harves ment:	·		Poletimber Well	83	51-80	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	Completed - Pending Edits
Othe Com Prop 24 Hab Pres	er -harves ment: osed Start Date 54154024-cut- oi <u>itat Cut:</u> No cription OPIC -	<u>:</u> 10/1 26.3 FMD: Mo	/2017 6112 - Lowland Aspen Site Condition: re of a Q further no	Well th. Aspen i	n declir	ne in areas	Harvest s. Pockets of F	Clearcut /Q. Any mix of sw	6112 - Lowland Aspen ramp or upland asj	Even-Aged	Pending Edits
Othe Com Prop 24 Hab Pres Spec	er -harves ment: osed Start Date 54154024-cut- oi <u>itat Cut:</u> No cription OPIC - cs: regene	26.3 FMD: Mo ration. Re	/2017 6112 - Lowland Aspen <u>Site Condition</u> re of a Q further no etention should be le	Well th. Aspen i eft along the	n declir	ne in areas	Harvest s. Pockets of F	Clearcut /Q. Any mix of sw	6112 - Lowland Aspen ramp or upland asj	Even-Aged	Pending Edits
Othe Com Prop 24 Hab Pres Spec	er -harves ment: osed Start Date 54154024-cut- oi <u>itat Cut:</u> No cription OPIC - cs: regene	26.3 FMD: Mo ration. Re	/2017 6112 - Lowland Aspen Site Condition: re of a Q further no	Well th. Aspen i eft along the	n declir	ne in areas	Harvest s. Pockets of F	Clearcut /Q. Any mix of sw	6112 - Lowland Aspen ramp or upland asj	Even-Aged	Pending Edits
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Othe Corr Prop 24 Hab Press Spec Next Trea Acces Regu Othe Corr Prop	er -harves ment: osed Start Date 54154024-cut- oi itat Cut: No cription OPIC - cs: regene Step Monito tments: eptable Any men: er ment:	10/1 26.3 FMD: Mo ration. Re ring, Natur ix of swan	/2017 6112 - Lowland Aspen Site Conditions re of a Q further no etention should be le ral Regen (Re-Inver np or upland aspen	Well rth. Aspen i eft along the ntory)	n declir north e accept	ne in areas edge of sta	Harvest 5. Pockets of F and, unless a b	Clearcut /Q. Any mix of sw	6112 - Lowland Aspen ramp or upland asj	Even-Aged	Pending Edits
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Othe Com Prop 24 Press Spee Next Trea Acce Regu Othe Com Prop 28 28 Hab Press Spee Next	er -harves ment: osed Start Date 54154024-cut- oi itat Cut: No cription OPIC - regene Step Monito tments: eptable Any ment: osed Start Date 54154028-Cut itat Cut: No cription Cut all cs: winter of	<u> </u>	/2017 6112 - Lowland Aspen Site Condition: re of a Q further no etention should be le ral Regen (Re-Inver np or upland aspen /2009 6139 - Mixed Lowland Forest Site Condition: inches and greater	Well rth. Aspen i eft along the ntory) or conifer is Sawtimber Well except red o make sure	n declir north e accept 95 pine, wi	table reger 81-110	Harvest 5. Pockets of F and, unless a b neration. Harvest	Clearcut 7Q. Any mix of sw etter location is de Clearcut with Retention ve 3-10 percent ret	6112 - Lowland Aspen ramp or upland asp termind whi 6111 - Lowland Balsam Poplar tention. Make sure	Even-Aged	Pending Edits is acceptable Draft Field Boundary
Othe Com Prop 24 Pres Spec Next Trea Acce Regu Othe Com Prop 28 Prop 28 Pres Spec Next Trea	er -harves ment: osed Start Date 54154024-cut- oi itat Cut: No cription OPIC - se: regene Step Monito tments: osed Start Date 54154028-Cut itat Cut: No cription Cut all sei winter Step Monito tments:	10/1 26.3 FMD: Mo ration. Re ring, Natur ix of swan 10/1 29.5 species 4 or extreme ring, Natur	/2017 6112 - Lowland Aspen Site Condition: re of a Q further no etention should be le ral Regen (Re-Inver np or upland aspen /2009 6139 - Mixed Lowland Forest Site Condition: inches and greater	Well rth. Aspen i eft along the ntory) or conifer is Sawtimber Well except red p o make sure ntory)	n declir north e accept 95 95 bine, wl	81-110 hite pine, a pile spec	Harvest 5. Pockets of F and, unless a b heration. Harvest and cedar. Leavisi in the sale fo	Clearcut 7/Q. Any mix of sw etter location is de Clearcut with Retention ve 3-10 percent rel or rabbits. Also add	6112 - Lowland Aspen ramp or upland asp termind whi 6111 - Lowland Balsam Poplar tention. Make sure	Even-Aged	Pending Edits is acceptable Draft Field Boundary
Othe Com Prop 24 Hab Press Spee Next Trea Acce Regu Othe Com 28 Hab Press Spee Next Trea Acce Regu Othe Com 28 Acce Regu Othe Com Prop	er -harves ment: osed Start Date 54154024-cut- oi itat Cut: No cription OPIC - cs: regene Step Monito tments: eptable Any ment: osed Start Date 54154028-Cut itat Cut: No cription Cut all cs: winter of Step Monito tments: step Monito tments: eptable Modera	10/1 26.3 FMD: Mo ration. Re ring, Natur ix of swan 10/1 29.5 species 4 or extreme ring, Natur ate to fully vork will ne	/2017 6112 - Lowland Aspen Site Condition: re of a Q further no etention should be le ral Regen (Re-Inver np or upland aspen /2009 6139 - Mixed Lowland Forest Site Condition: inches and greater ely dry summer. Als ral Regen (Re-Inver	Well rth. Aspen i eft along the ntory) or conifer is Sawtimber Well except red o make sure ntory) aple, balsam	n declir north e accept 95 oine, wl e brush	able regent able regent 81-110 hite pine, a pile spec	Harvest And, unless a back heration. Harvest and cedar. Leavisis in the sale for pine, red pine,	Clearcut VQ. Any mix of sw etter location is de Clearcut with Retention ve 3-10 percent ref r rabbits. Also add beech, paper birc	6112 - Lowland Aspen ramp or upland asp termind whi 6111 - Lowland Balsam Poplar tention. Make sure d Grouse specs	Even-Aged ben or conifer Even-Aged e this stand is	Pending Edits is acceptable Draft Field Boundary cut in the

S t		P	Atlanta Mgt. Unit		Re	eport 3	Treatme	nts	•	ment: 154 Entry: 2020	AT NATURAL PLANE
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
31	54154031- Monitor	10.8	6224 - Treed Bog	Nonstocke	d		Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
		regenera	Site Condition ation per work instru	-		ed metho	ds				
<u>Next S</u> Treatn											
<u>Accep</u> <u>Reger</u>		high stoc	king of any combina	tion of spru	ce, ceda	ar, pine, fi	r, red maple, b	irch, ash, and popla	ar resulting in a mi	xed lowland st	and
<u>Other</u> Comm		st complet	ted 2/10/2017								
Propo	sed Start Date	<u>:</u> 10/1	/2017								
14	54154032- Monitor	5.1	6239 - Mixed Emergent Wetland	Nonstocke	d		Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed	Even-Aged	Draft Field Boundary
Hahit	at Cut: No		Site Condition		•				Deciduous		
	ription -survey	regenera	ation per work instru			red metho	ds				
<u>Next S</u> Treatr											
<u>Accep</u> <u>Reger</u>		high stoc	king of any combina	ition of sprue	ce, fir, c	edar, pine	e, maple, birch,	, ash, and poplar re	esulting in a mixed	lowland stand	
<u>Other</u> Comm		portion co	mpleted 3/7/13 and	south portic	n comp	oleted 2/10)/17				
Propo	sed Start Date	<u>:</u> 10/1	/2017								
32	54154033- Monitor	9.9	6224 - Treed Bog	Nonstocke	d 0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
		/ regenera	Site Condition	-	approv	red metho	ds				
<u>Next S</u> Treatr											
<u>Accep</u> <u>Reger</u>		high stoc	king of any combina	ition of sprue	ce, fir, c	edar, pine	e, maple, birch,	, ash, and poplar re	esulting in a mixed	lowland stand	
<u>Other</u> <u>Comm</u>		st complet	ted 3/7/13								
Propo	sed Start Date	<u>:</u> 10/1	/2017								

t		А	Atlanta Mgt. Unit		Re	eport 3	Treatme	nts	•	ment: 154 Entry: 2020	DP NATURAL OF NATURAL
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
32	54154034- Monitor	9.7	6224 - Treed Bog	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
-	tat Cut: No		Site Condition:				da				
Spece		ey regenera	ation per work instru	cuons using	approv	/ea meino	us				
<u>Next :</u> Treat	<u>Step</u> ments:										
Rege	<u>n:</u>	C C	king of any combina	tion of spruc	e, ceda	ar, fir, pine	e, maple, birch,	ash, and poplar re	sulting in a mixed	lowland stand	
Other Comr		est complet	ted 3/7/13								
Propo	osed Start Dat	<u>e:</u> 10/1	/2017								
	54154051-Cu	t 41.7	6112 - Lowland Aspen	Sawtimber Well	73	81-110	Harvest	Clearcut with Retention	6111 - Lowland Balsam Poplar	Even-Aged	Draft Field Boundary
	tat Cut: No	l species 4	Site Condition: inches and greater		oine. wł	hite pine.	and cedar. Lea	ve 3-10 percent ret	ention. Make sure	e this stand is	cut in the
Spece			ely dry summer. Also								
Next : Treat	<u>Step</u> Monite <u>ments:</u>	oring, Natu	ıral Regen (Re-Inver	itory)							
Accep Rege		rate to fully	v stocked aspen, ma	ple, balsam	fir, spru	uce, white	pine, red pine,	beech, paper birch	n, cedar.		
Other	Road		eed to be done prior pund saturation.	to timber sa	ale (use	e existing	road that run or	n the east side of p	rivate property). S	Sale acres may	reduce due
Propo	osed Start Dat	<u>e:</u> 10/1	/2019								
				Nonstockor	0 1	Unspec	Monitoring			– • •	
32	54154055- Monitor	4.3	6224 - Treed Bog	Nonstocket	. 0	ified	Workoning	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
		4.3	Site Condition:				Workoning		Coniferous,	Even-Aged	
<u>Habi</u> Presc	Monitor tat Cut: No ription -surve		Ŭ			ified	Ū		Coniferous, Mixed	Even-Aged	
Habi Presc Specs	Monitor tat Cut: No ription -surve		Site Condition:			ified	Ū		Coniferous, Mixed	Even-Aged	
Habi Presc Spec: Next 3 Treati	Monitor <u>tat Cut:</u> No <u>ription</u> -surver <u>Step</u> <u>ments:</u> <u>otable</u> -low to	ey regenera	Site Condition:	ctions using	approv	ified	ds	(Re-Inventory)	Coniferous, Mixed Deciduous	Ū	
Habi Presc Spec: Next : Treat Accep Rege	Monitor tat Cut: No ription -surve s: Step ments: btable -low to n: Perce	ey regenera	Site Condition: ation per work instruc king of any combina	ctions using	approv	ified	ds	(Re-Inventory)	Coniferous, Mixed Deciduous	Ū	
Habi Presc Spec: Next : Treat Accep Rege Other Comr	Monitor tat Cut: No ription -surve s: Step ments: btable -low to n: Perce	ey regenera o high stoc nt to Treat	Site Condition: ation per work instruc king of any combina	ctions using	approv	ified	ds	(Re-Inventory)	Coniferous, Mixed Deciduous	Ū	
Habi Presc Spec: Next Treat Accep Rege Other Comr	Monitor tat Cut: No cription -surve S: Step ments: ctable -low to n: Perce nent:	ey regenera o high stoc nt to Treat <u>e:</u> 10/1	Site Condition: ation per work instruct king of any combina = 100%	tions using	approv e, ceda	ified	ds	(Re-Inventory)	Coniferous, Mixed Deciduous sulting in a mixed 6128 - Lowland Coniferous, Mixed	Ū	
Habi Presc Spec: Spec: Treati Accep Rege Other Comr Propc 32	Monitor tat Cut: No tription -surve timents: tat Datable -low to the sed Start Dat tat Cut: No tription -surve tat Cut: No tription -surve	ey regenera o high stoc nt to Treat <u>e: 10/1</u> 2.3	Site Condition: ation per work instruct king of any combina = 100% /2017	tion of spruc	approv e, ceda	ified ved metho ar, fir, pine Unspec ified	ds e, maple, birch, Monitoring	(Re-Inventory) ash, and poplar re Natural Regen	Coniferous, Mixed Deciduous sulting in a mixed 6128 - Lowland Coniferous,	lowland stand	Boundary Draft Field
Habi Presc Spect Spect Treat Acceț Rege Other Comr Propc 32 Habi Presc Spect	Monitor tat Cut: No ription -surve S: Step ments: btable -low to n: Perce nent: bsed Start Dat 54154056- Monitor tat Cut: No ription -surve S:	ey regenera o high stoc nt to Treat <u>e: 10/1</u> 2.3	Site Condition: ation per work instruct king of any combina = 100% /2017 6224 - Treed Bog Site Condition:	tion of spruc	approv e, ceda	ified ved metho ar, fir, pine Unspec ified	ds e, maple, birch, Monitoring	(Re-Inventory) ash, and poplar re Natural Regen	Coniferous, Mixed Deciduous sulting in a mixed 6128 - Lowland Coniferous, Mixed	lowland stand	Boundary Draft Field
Habi Presc Spec: Treatr Accep Rege Other Comr Propc 32 Habi Presc Spec: Spec: Next : Treatr	Monitor tat Cut: No ription -surve Si Step ments: btable -low to resed Start Dat 54154056- Monitor tat Cut: No ription -surve Si Step ments: btable -low to constant to the tempents: btable -low to tat btable -low to table -low	ey regeneration o high stoc nt to Treat <u>e: 10/1</u> 2.3 ey regeneration	Site Condition: ation per work instruct king of any combina = 100% /2017 6224 - Treed Bog Site Condition:	tion of spruc	approv e, ceda 1 0	ified ved metho ar, fir, pind Unspec ified ved metho	ds e, maple, birch, Monitoring ds	(Re-Inventory) ash, and poplar re Natural Regen (Re-Inventory)	Coniferous, Mixed Deciduous sulting in a mixed 6128 - Lowland Coniferous, Mixed Deciduous	lowland stand	Boundary Draft Field
Habi Presc Spec: Spec: Treati Accep Rege Other Comr Propc 32 Habi Presc Spec: Spec: Next 1 Treati	Monitor tat Cut: No ription -surve Si Step ments: bable -low to rement: based Start Dat 54154056- Monitor tat Cut: No ription -surve Si Step ments: bable -low to ric -harve	ey regeneration o high stoc nt to Treat <u>e: 10/1</u> 2.3 ey regeneration	Site Condition: ation per work instruc- king of any combina = 100% /2017 6224 - Treed Bog Site Condition: ation per work instruc-	tion of spruc	approv e, ceda 1 0	ified ved metho ar, fir, pind Unspec ified ved metho	ds e, maple, birch, Monitoring ds	(Re-Inventory) ash, and poplar re Natural Regen (Re-Inventory)	Coniferous, Mixed Deciduous sulting in a mixed 6128 - Lowland Coniferous, Mixed Deciduous	lowland stand	Boundary Draft Field

S t a		ļ	Atlanta Mgt. Unit		Re	port 3	Treatme	nts	•	ment: 154 Entry: 2020	DIR MATURAL
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
18	54154057- Monitor	4.1	6112 - Lowland Aspen	Sawtimber Poor	⁻ 58	1-50	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
		/ regenera	Site Condition	- 0			•				
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> <u>Rege</u> i		high stoc	king of any combina	ation of spru	ce, ceda	ar, fir, pine	e, maple, birch,	, ash, and poplar re	esulting in a mixed	lowland stand	
<u>Other</u> Comn		st complet	ted 3/7/13								

Proposed Start Date: 10/1 /2017

Total Treatment Acreage Proposed: 173.1 -----

Andrew Krugh : Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	s
Acres	Available	With Condition	Not Available		5C	2G	3A	3K	5E
237	237	0	0	Aspen					0
123	17	0	106	Cedar		43		63	
331	204	13	114	Lowland Aspen/Balsam Poplar	13	109			5
181	89	4	88	Lowland Conifers	4	88			
18	18	0	0	Lowland Deciduous					
117	40	0	77	Lowland Mixed Forest		77			0
190	97	0	93	Lowland Shrub		93			0
15	15	0	0	Lowland Spruce/Fir					
38	38	0	0	Marsh					
156	156	0	0	Planted Mixed Pines					
24	0	15	9	Red Pine	15		9		
74	71	0	3	Treed Bog					3
12	0	12	0	Upland Mixed Forest	12				
4	4	0	0	Urban					
12	12	0	0	Water					
1,531	997	44	490	Total Forested Acres	44	409	9	63	8
	65%	3%	32%	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.

No. Con	minant Site d Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1 U	Jnavailable	3A: Conservation Values incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Com	ments:						
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified

Report 4 – Site Conditions

Compartment: 154

Andrew Krugh : Examiner

Atlanta Mgt. Unit

Year of Entry: 2020

3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: -area retention for s	stand parent stand 26					
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable Comments: area retention for s	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified

		Atlanta Mgt. Unit Krugh : Examiner		Report 4 – Site Cond	ditions	Compartment: 15 Year of Entry: 202	
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
(Comments:						

		Atlanta Mgt. Unit Krugh : Examiner		Report 4 – Site Cor	nditions	Compartment: 15 Year of Entry: 202	
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	93	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

		Atlanta Mgt. Unit Krugh : Examiner		Report 4 – Site Cond	itions	Compartment: 15 Year of Entry: 202	
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
22	Unavailable	3K: Rare or unique landforms	63	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: MNFI wooded dune	e and swale landform . Understo	orv has	full coverage of white-cedar 3	30-40 feet tall		
			Jiy nao	5			
	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
23 (5E: Long-Term Retention	-	_		Unspecified	Unspecified
23 (Unavailable Comments:	5E: Long-Term Retention	-	_		Unspecified Unspecified	Unspecified
23 (25 (Unavailable Comments: area retention for s	5E: Long-Term Retention stand 57 5E: Long-Term Retention	1	Unspecified	Unspecified		
23 a 25 a	Unavailable Comments: area retention for s Unavailable Comments: area retention for s	5E: Long-Term Retention stand 57 5E: Long-Term Retention	0	Unspecified	Unspecified		
23 (25 (26	Unavailable Comments: area retention for s Unavailable Comments: area retention for s	5E: Long-Term Retention stand 57 5E: Long-Term Retention stand 56 5E: Long-Term Retention	0	Unspecified	Unspecified Unspecified	Unspecified	Unspecified
23 (a 25 (a 26 (Unavailable Comments: area retention for s Unavailable Comments: area retention for s Unavailable Comments:	5E: Long-Term Retention stand 57 5E: Long-Term Retention stand 56 5E: Long-Term Retention	0	Unspecified	Unspecified Unspecified	Unspecified	Unspecified

		stlanta Mgt. Unit Krugh : Examiner		Report 4 – Site Con	ditions	Compartment: 154 Year of Entry: 2020		
29	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: area retention for s	tand 55						
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	



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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality example identified as Element Occurrences (EOs) by the Michigan M context of their natural community classification system. Ele (Excellent) or B (Good) and a Global (G) or State (S) element threatened (2), or rare (3) serve as an initial base of ERAs. the State. The system is comprised of individual or associal managed for restoration and maintenance of natural ecologi submit recommendations for lands as ERAs using the DNR	Natural Features Inventory (MNFI) within the ement Occurrences with viability ranks of A ent (rarity) ranking of endangered (1), They may be located upon any ownership in tions of natural community types that are gical processes and values. The public may

S t				Report 7	– Forested	Stands Compartment: 154
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	63.4	109	81-110	OLD BEACH RIDGES, MOST CEDAR IS SMALL AND GOOD CONDITION. THEFT OF CEDAR EVIDENT IN NORTH, AT THE END OF TRAIL. ROSCOMMON-TAWAS COMPLEX. SCA Wooded Dune Swale, commercial activity would create damage in this stand.
2	42210 - Natural Red Pine	Sawtimber Well	6.9	84	81-110	HOLD FOR VISUAL, both sides of Ocqueoc Rd. Natural stand.
12	6139 - Mixed Lowland Forest	Sawtimber Medium	5.9	53	51-80	
13	6120 - Lowland Cedar	Sawtimber Well	42.6	139	81-110	OPIC - FMD: SOUTH PART IS LOWER DENSITY. CEDAR THEFT EVIDENT(1996 CUTTINGS) AT END OF TRAIL NEAR PRIVATE PROPERTY. HAGENSVILLE FINE SANDY LOAM.
15	4134 - Aspen, Spruce/Fir	Poletimber Well	24.1	50	51-80	
16	4134 - Aspen, Spruce/Fir	Sapling Well	26.5	26	Immature	: CUT IN 1992. MOLTKE VERY FINE SANDY LOAM. STREAM in stand.
17	4319 - Mixed Upland Forest	Poletimber Well	12.4	83	81-110	Merge with stand 67
18	6112 - Lowland Aspen	Sawtimber Poor	13.2	58	1-50	OPIC - FMD: Very wet Q/L. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010.
20	4130 - Aspen	Sapling Medium	10.0	6	Immature	HAGENSVILLE FINE SANDY LOAM. cutting was completed 3/23/2012
21	6120 - Lowland Cedar	Poletimber Well	16.6	98	81-110	Stand is to wet. Non desirable regent will most likely occur.
22	4134 - Aspen, Spruce/Fir	Sapling Medium	56.4	26	Immature	CUT IN 1992, POOR REPRODUCTION IN MOST OF THESTAND. Component of red and white and swamp conifer. HAGENSVILLE FINE LOAMY SAND.
24	6112 - Lowland Aspen	Poletimber Well	27.5	83	51-80	OPIC - FMD: More of a Q further north. Aspen in decline in areas. Pockets of F/Q. Any mix of swamp or upland aspen or conifer is acceptable regeneration. Retention should be left along the north edge of stand, unless a better location is determind while setting up the timber sale, providing shade for stand along its edge.
25	42210 - Natural Red Pine	Sawtimber Well	7.9	105	111-140	
26	4130 - Aspen	Sapling Medium	10.8	3	Immature	-cutting completed 7/6/15
28	6139 - Mixed Lowland Forest	Sawtimber Well	29.6	95	81-110	LOW GROUND, Some Mortality, AREAS OF SMALL CONIFER. DETOUR FLAGGY LOAM.

S t	Atlanta	Atlanta Mgt. Unit			– Forested	Stands Compartment: 154 Year of Entry: 2020
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	6112 - Lowland Aspen	Poletimber Well	63.4	34	51-80	SOME AREAS OF P-TYPE AND L-TYPE. HAGENSVILLE FINE SANDY LOAM.
37	6130 - Fir, Aspen, Maple	Poletimber Poor	9.1	73	1-50	OPIC - FMD: VARIES FROM Q5Q1 TO Q2. HAGENSVILLE FINE SANDY LOAM.
40	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	80.9	24	Immature	DETOUR FLAGY LOAM. There are pockets of P and L type scattered through the stand. This stand also contains a few natural red pine ridges that are not large enough or different in canopy structure to delineate out. The southern portion of this stand flooded while the northern portion has more high ground.
42	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	16.8	95	51-80	DETOUR FLAGGY LOAM.
46	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	10.5	95	81-110	 OPIC - FMD: ASPEN WAS CUT, CEDAR AND POCKETS OF BALSAM LEFT. HAGENSVILLE FINE SANDY LOAM. POCKETS OF P-TYPE AND L-TYPE. REPRODUCTION NOT THE GREATEST. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010significant/out of spec rutting for forwarding to landing in stand 20 and poor Winter conditions prevented getting this area harvested (see site conditions layer)-this area was part of refunded acreage within timber sale 54-045-11-01 Balch Road Mix-refund acreage was re-cruised on a point per acre basis due to no original cruise map -average BA for refunded acreage was 39 with 9 cords per acre-residual composition for 47.8 acres taken from point per acre cruise-refund volume composition- cedar-9%, rp-2%, bf-37%, rm-4%, pb-2%, qa-46%
47	6112 - Lowland Aspen	Poletimber Medium	25.2	75	51-80	DETOUR FLAGGY LOAM. Wet.
48	6124 - Lowland Spruce- Fir	Poletimber Medium	29.7	101	51-80	OPIC - FMD: QUITE WET.POOR QUALITY, STRIP OF CEDAR ALONG EDGE OF R9. DETOUR FLAGGY LOAM.
49	42210 - Natural Red Pine	Sawtimber Well	9.4	150	111-140	WAS THINNED IN 1983. Hemlock and striped maple. Natural stand, difficult access, old skid trail, to stand, contains cat tail, tag alder and water. Old comment not sure where access was.
50	6112 - Lowland Aspen	Poletimber Well	73.8	35	81-110	
51	6112 - Lowland Aspen	Sawtimber Well	41.7	73	81-110	

S t				Report 7	– Forested	Stands	Compartment: 154 Year of Entry: 2020	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	A MICHIGAN
52	6112 - Lowland Aspen	Poletimber Medium	25.9	88	1-50	Potential for rutting high flotation of Compartment Rev stand number was next inventory-this timber sale 54-045- re-cruised on a po map -average BA per acre-residual c per acre cruise-refu	wet Q/L. Extend sale length up to that may exceed current guidelin equipment. Potential location for iew date was October 26, 2010 32-evaluate stand more thoroug area was part of refunded acreas 11-01 Balch Road Mix-refund ac bint per acre basis due to no orig for refunded acreage was 39 wit omposition for 47.8 acres taken f und volume composition- cedar-9 37%, rm-4%, pb-2%, qa-46%	nes. Specify RTH. original hly during ge within reage was inal cruise h 9 cords from point
53	42140 - Planted Mixed Pine	Poletimber Medium	155.7	30	111-140	DIRECT SEEDED SPRING-FROM REPRODUCTION.	HFIED W/ CHOPPER AND CHAI W/ 3/4# JP & 1/4# WP PER AC SNOWMOBILE. 1998 FAIR TO RED PINE SAW SCATTERED rth south trail clossing in, some o	RE IN 1988- O GOOD THROUGH
59	6112 - Lowland Aspen	Sawtimber Medium	14.9	73	81-110	FINE SANDY LC Potential for rutting high flotation of Compartment Re- within stand 66 forwarding to land preventing adequ prevented gettin layer)-significant arr excluded as not layer)-this area wa sale 54-045-11-0' cruised on a point -average BA for acre-residual comp acre cruise-refund 37%, rm-4%, pb-2	RIES FROM Q5Q1 TO Q2. HAG DAM. Extend sale length up to fin that may exceed current guidelin equipment. Potential location for view date was October 26, 2010. created significant/out of spec ru ding in stand 20, established bea uate drainage, and poor Winter c g this area harvested (see site c eas tag alder included within this being treated/clearcut (see site c is part of refunded acreage within 1 Balch Road Mix-refund acreage per acre basis due to no original refunded acreage was 39 with 9 position for 47.8 acres taken from volume composition- cedar-9%, 1%, qa-46%-survey regeneration tions using approved methods	ve years. hes. Specify RTH. -a swale utting for wer dams onditions onditions sale were conditions h timber e was re- cruise map cords per point per rp-2%, bf-
61	6123 - Lowland Fir	Sapling Poor	30.7	15	Immature	CONIFER REPR SANDY LOAM. E. for rutting that ma flotation equipmen	DSTLY WET, POOR QUALITY, O, NO TMT. GLAWE MUCKY V xtend sale length up to five years ay exceed current guidelines. Sp t. Potential location for RTH. Co s October 26, 2010harvest com 3/7/13	ERY FINE 5. Potential becify high compartment
63	6130 - Fir, Aspen, Maple	Poletimber Poor	68.2	76	1-50	VERY P	OOR QUALITY AND CONDITIO	N.
70	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	4.6	98	81-110		EDAR ESP. ALONG E SIDE, HO L WHEN STD TO WEST IS CUT	
73	6112 - Lowland Aspen	Sawtimber Well	45.1	86	51-80	OPIC - FMD: F	POORLY DRAINED SOIL, HOLD	INDEF.
74	6113 - Lowland Maple	Sapling Poor	6.9	30	Immature	OPIC - FI	MD: HAGENSVILLE SANDY LO	AM

S t	Atlanta	Mgt. Unit		Report 7	– Forested	Stands Compartment: 154 Year of Entry: 2020	DR NATURAL PLEO
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	MICHIGAN .
76	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	4.2	73	1-50	OPIC - FMD: VARIES FROM Q5Q1 TO Q2. HAGE FINE SANDY LOAM. Extend sale length up to five Potential for rutting that may exceed current guideline high flotation equipment. Potential location for R Compartment Review date was October 26, 20	e years. s. Specify RTH.
80	6127 - Lowland Pine	Poletimber Poor	7.9	24	51-80	Filled in with white pine and tag alder. DETOUR FL LOAM.	AGGY
85	4132 - Aspen, Jack Pine	Poletimber Medium	34.2	17	Immature	OPIC - FMD: Cut jp in 2001. Understory a mix of red pine and some aspen. Some red pine saw tim	
86	4134 - Aspen, Spruce/Fir	Sapling Well	74.9	24	Immature	DETOUR FLAGY LOAM.	
87	6122 - Black Spruce	Sawtimber Well	15.2	73	81-110	HAGENSVILLE FINE SANDY LOAM.	
90	6113 - Lowland Maple	Poletimber Well	11.5	56	81-110		

Atlanta Mgt. Unit

Compartment: 154 Year of Entry: 2020



Stand	Cover Type	Acres	Managed Site	General Comments:
6	622 - Lowland Shrub	20.5	No	OPIC - FMD: Surrounds the north part of Mud Lake, (Mud Lake is not under State ownership, per LOTS) EAST LAKE DEER PARK ASSOCIATION.
7	6224 - Treed Bog	20.2	No	OPIC - FMD: WET, EAST LAKE DEER PARK ASSOCIATION.
8	622 - Lowland Shrub	6.7	No	OPIC - FMD: EAST LAKE DEER PARK ASSOCIATION.
9	500 - Water	11.6	No	
10	122 - Road/Parking Lot	4.5	No	OPIC - FMD: Scattered red pine. Heavy to aspen in the south. Cut jn, 1999. Red pine overstory is red pine, west side of Ocqueoc Lake Road is P3 (aspen birch). Some oak in the understory.
11	622 - Lowland Shrub	23.6	No	OPIC - FMD: Surrounds the south end of Mud Lake, Mud Lake not in State ownership (per LOTS) EAST LAKE-DEER PARK ASSOCIATION
14	6239 - Mixed Emergent Wetland	15.7	No	OPIC - FMD: Very wet Q/L. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010.
19	6224 - Treed Bog	6.2		OPIC - FMD: ASPEN WAS CUT, CEDAR AND POCKETS OF BALSAM LEFT. HAGENSVILLE FINE SANDY LOAM. POCKETS OF P-TYPE AND L-TYPE. REPRODUCTION NOT THE GREATEST. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010.
				-harvest completed 2/10/17
23	622 - Lowland Shrub	92.7	No	OPIC - FMD: CATHRO MUCK.
27	622 - Lowland Shrub	3.8	No	OPIC - FMD: STREAM THROUGH STAND. Some P-type in stand.
31	6224 - Treed Bog	10.8		 OPIC - FMD: VARIES FROM Q5Q1 TO Q2. HAGENSVILLE FINE SANDY LOAM. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010a swale within stand 66 created significant/out of spec rutting for forwarding to landing in stand 20, established beaver dams preventing adequate drainage, and poor Winter conditions prevented getting this area harvested (see site conditions layer)-significant areas tag alder included within this sale were excluded as not being treated/clearcut (see site conditions layer)
32	6224 - Treed Bog	36.9		OPIC - FMD: Very wet Q/L. Extend sale length up to five years. Potential for rutting that may exceed current guidelines. Specify high flotation equipment. Potential location for RTH. Compartment Review date was October 26, 2010.
36	6239 - Mixed Emergent Wetland	4.4	No	OPIC - FMD: CUT IN 1992. POOR REPRODUCTION. MOLTKE VERY FINE SANDY LOAM. STREAM in stand.

Atlanta Mgt. Unit

Compartment: 154 Year of Entry: 2020



Stand	Cover Type	Acres	Managed Site	General Comments:
38	622 - Lowland Shrub	12.9	No	OPIC - FMD: OI Stand Year Origin was
64	622 - Lowland Shrub	3.2	No	OPIC - FMD: CATHRO MUCK.
65	622 - Lowland Shrub	5.6	No	
77	622 - Lowland Shrub	2.0	No	OPIC - FMD: Several old beaver floodings CATHRO MUCK.
78	623 - Emergent Wetland	17.5	No	OPIC - FMD: EAST LAKE DEER PARK ASSOCIATION. L- to the east, with some E to the west.
92	622 - Lowland Shrub	18.6	No	OPIC - FMD: Q-type in the north. HAGENSVILLE SANDY LOAM