

Compartment Review Presentation

Atlanta Forest Management Unit Compartment 54155 Entry Year 2017 Acreage: 1,743 County Presque Isle Management Area: Hammond Bay Lake Plain

Revision Date: 2015-08-20

Stand Examiner: John St. Pierre

Legal Description:

T36N, R2E, Sec. 7, 8, & 9.

Identified Planning Goals:

Within the Hammond Bay Lake Plain Management Area, 10-year harvest projections indicate that red pine and aspen cover types will be the primary focus for treatments (final and partial harvests). Management will strive to balance cover type age classes, produce sustainable forest products, enhance game and non-game wildlife habitat, protect areas of unique character and provide for forest-based recreational uses.

Soil and topography:

Landtype Associations (LTAs) include Kalkaska (10%), Ocqueoc (10%), Graycalm (10%), Rubicon (8%), Deer Park-Croswell-Au Gres complex (7%), Zimmerman (6%), Au Gres (5%), Croswell (4%), Mancelona loamy (4%), Klacking (3%), and Cheboygan loamy sands (3%). A host of other upland sandy soil types are present at percentages less than 3%. Lower lying areas feature Wheatley muck (6%), Aquents (5%), Roscommon muck (3%), Aquents and Histols, ponded (2%), and Brevort mucky loamy sand (2%). Remaining lowland soil types are present at percentages less than 2%.

The approximate west half of the compartment is part of a broad northwest to southeast moraine known as Black Mountain. It consists of well drained sands and loamy sands supporting jack pine, white pine, red pine red oak, aspen and occasionally hardwoods. The remainder of the compartment is an old lake bed. It supports mostly lowland conifers, aspen, but can (and does) support hardwoods.

Kotar cover types found within C155 include (at nearly equal distribution) PArVHa, PArVVb, PArVHa/PArVVb, PArVVb/AFO, AFO, PArVCo, PVCd, and unclassified lowland. Because of these cover types the fire history for the compartment is a mix of catastrophic stand replacing fires in the western third and infrequent fires in the central and eastern portions of the compartment. GLO data suggest aspen, hemlock and tamarack were found in the eastern third, northern hardwoods in the central and red pine in the western third of the compartment.

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

Compartment 155 has both state and private-land interfaces along its extremities. Privately owned property bordering C155 exists along the entire northern boundary. The south half of section 7 contains two 80-acre parcels in private holding(s). The remainder of this compartment is bordered by State owned lands.

Unique Natural Features:

No known MNFI hits or other related occurrences within this compartment.

The entirety of this compartment features a broad range of cover types. These variations appear to be the result of the differing soil series and previous fire history. Natural pine, northern hardwood, mixed pine/oak, lowland conifer/aspen, homogenous hemlock, and treed bogs are a few examples of the growing potential this compartment offers. Plantation red pine has also faired very well since being planted in areas during '29 & '63. A few stands offer unique habitat corridors across the large bog complex as well as important vertical and compositional structure. Large natural pine in access of one-hundred years of age can be found as individuals or populating entire stands.

Archeological, Historical, and Cultural Features:

No official Archeological, Historical, or Cultural Features known. A possible old homestead foundation may be located in stand 428.

Special Management Designations or Considerations:

Black Mountain Forest Recreation Area hiking & ski trails heavily populate areas of section 7. Silvicultural treatments have been formulated to minimize negative impacts on recreation.

General forest health concerns and issues are present within this compartment. Beech Bark Disease (BBD), Emerald Ash Borer (EAB), and White Trunk Rot are present and quite prolific in the cover types they affect. Many of these issues will be addressed during 2017 year of entry. Almost no non-native/invasive flora was observed during the inventory process.

Spotted Knapweed can be found along regularly traveled two-tracks and poor dirt roads but native flora remains dominant throughout compartment 155. It should be noted that inventory for this compartment was primarily conducted during the winter months with 1-2 feet of snow on the ground. These conditions weren't conducive to identifying all potential forest health issues and invasive flora present.

Watershed and Fisheries Considerations:

No special considerations exist for this compartment.

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species found in this compartment. These species include ruffed grouse, black bear, and white-tailed deer. Based on the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest, the retention of large, over-mature trees and snags and the maintenance and expansion of hard mast and mesic conifer components.

Mineral Resource and Development Concerns and/or Restrictions

The drier ground in sections 8 and 9 are classified as development. Most of the rest of the compartment is nondevelopment. Surface sediments consist of lacustrine (lake) sand and gravel and coarse-textured till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Detroit River Group. The Detroit River could be used for stone. A gravel pit is located in Section 16 and there is potential on the uplands. This area has had no drilling for oil and gas. Oil and gas producing Silurian Niagaran Reefs are located fifteen miles to the south.

Vehicle Access:

Seasonal county roads provide decent/good access into the compartment during snow off and on conditions. Several poordirt and two-track forest roads exist offering further access during snow off conditions. Lake Sixteen Rd is kept plowed during winter by the county. Brown Rd was plowed during the inventory process, yet I believe this was done by private to access their property north of the compartment. Further winter access is limited to snowmobile, snowshoe, legs, and ski's. Black Lake Route #994 snowmobile route doubles as a mixed traffic forest road (in the off season) and is also kept groomed during the appropriate winter months.

Survey Needs:

Surveys may be required for timber sale prep.

Recreational Facilities and Opportunities:

The Black Mountain Forest Recreation Area hike/ski trail system, in section 7, is the most notable feature in this compartment. Black Lake Route #994 snowmobile trail winds through portions of sections 7 & 8 as well. Both of these trail systems are widely used by recreationists. Snowmobiles, ORVs, dirt biking, hunting, and general meandering are extremely popular during the appropriate seasons.

Fire Protection:

This area is covered by the Onaway Field Office.

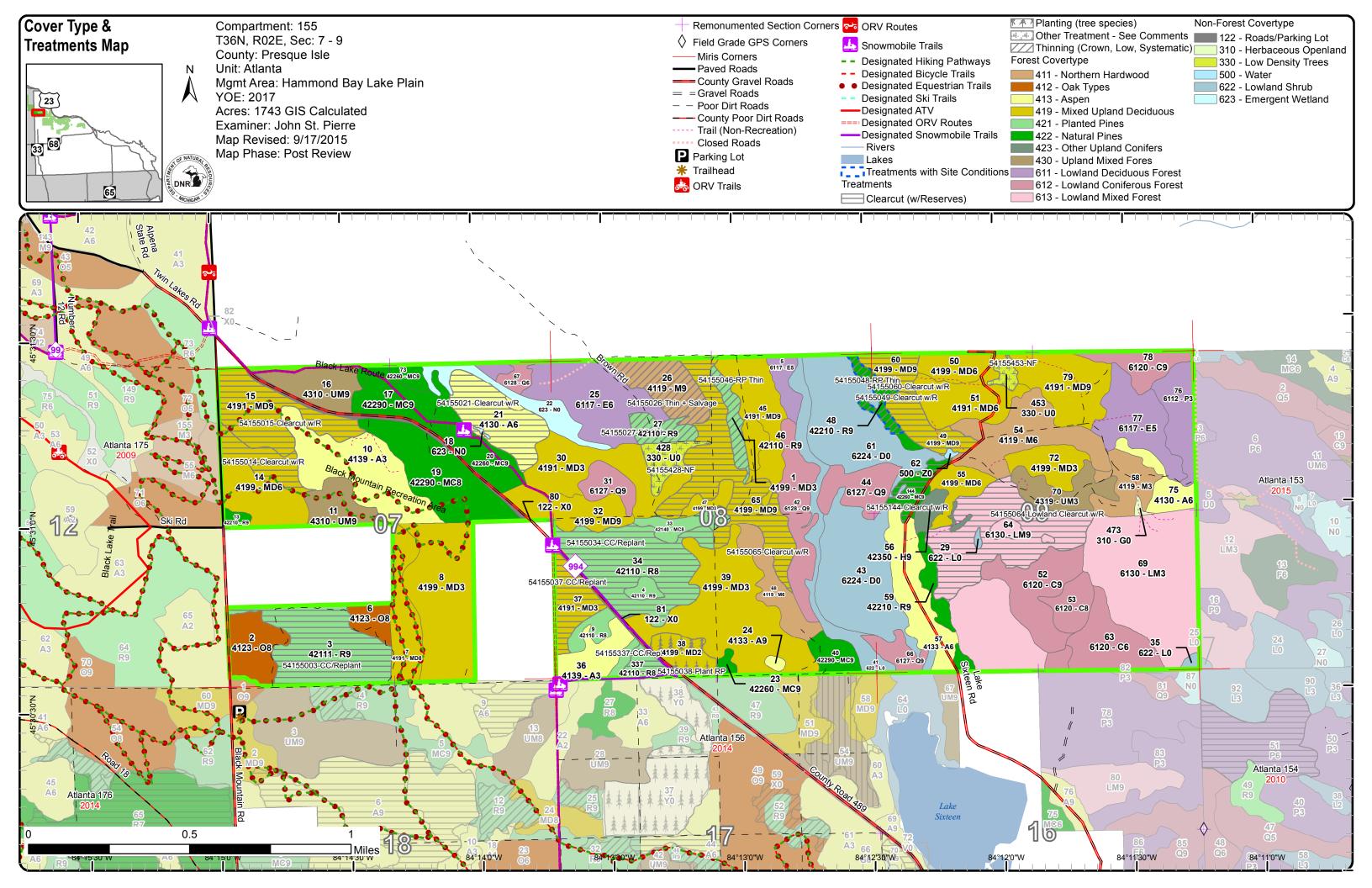
At the time of writing (5/14/15), a small wildfire occurred the previous week on private holdings north of section 8. Components of planted red pine and natural pine cover types are found within compartment 155. The natural stands of pine are undoubtedly of fire origin. Burn scar stumps are prolific throughout the compartment as well. This suggests that fire is a natural regime that has and will most likely occur again within the localized area. Fire access into the compartment is generally suitable during snow-off conditions. However, no watering points and/or bodies of water are present within the compartment.

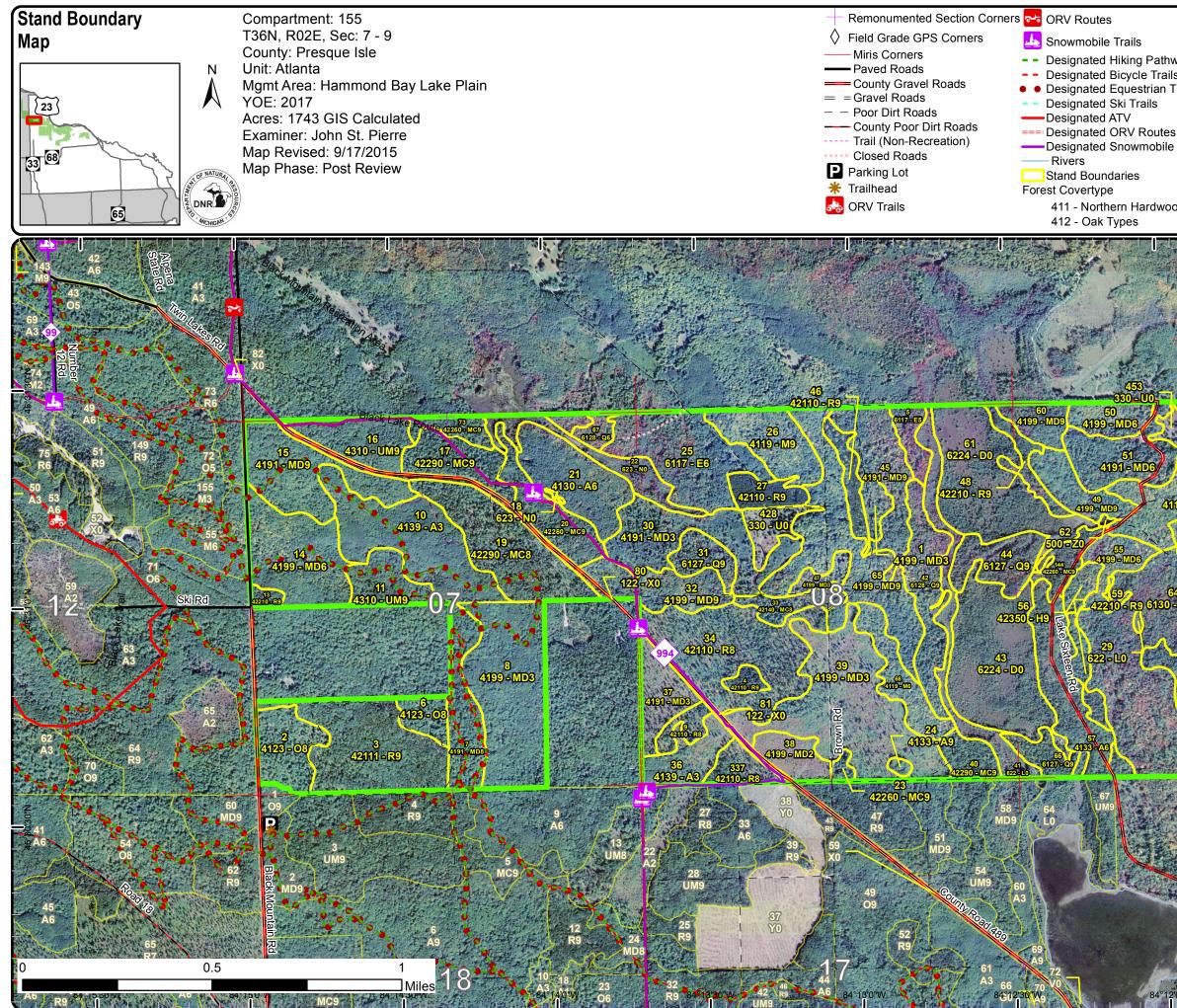
Additional Compartment Information:

None.

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

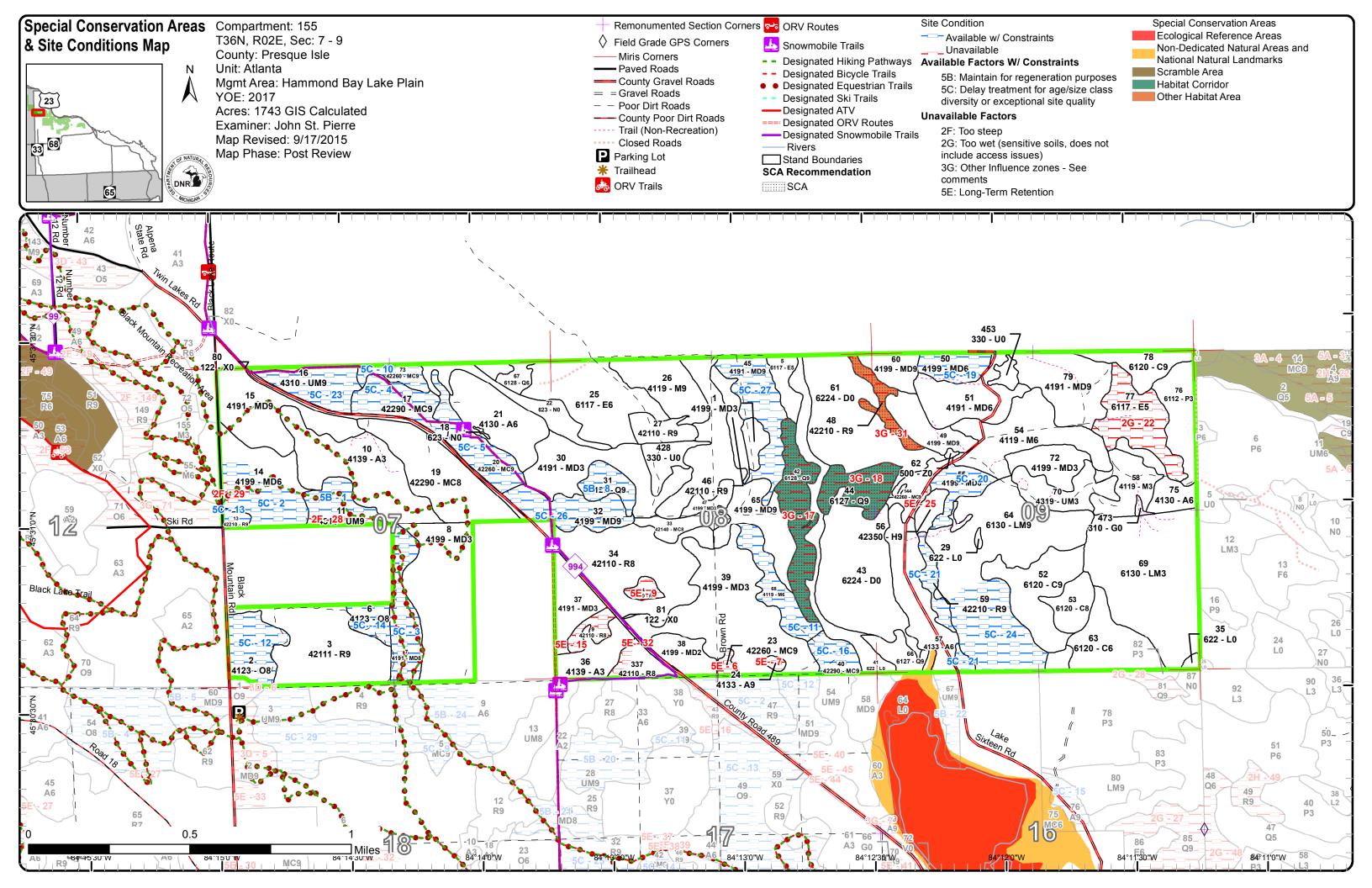




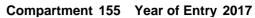
419 421 422 423 11s 423 Trails 430 611 612 es 613 e Trails Non-Fore 122 310 330	 Aspen Mixed Upland Deciduo Planted Pines Natural Pines Other Upland Conifers Upland Mixed Fores Lowland Deciduous Fo Lowland Coniferous Fo Lowland Mixed Forest Covertype Roads/Parking Lot Herbaceous Openland Low Density Trees Water 	us 623 - Er rest	nergent Wetland
Annumber when released one door	an hann an hann am harman Americana ar an hann an har a seile	n adamente randressa dassa Azamina	
79 4191 - L	78 6120-09 6120-09 6122-09		14 cs MC6 4 A9 Q5
53 110-110 72	777 G1117 = E5	3 P6 6 Frank P6	19 C9 11 UM6
4199 - MD8 70 4319 - UM3 64 0 - LM9	4110-C0 75 478 310-C0	5000	8 N0 L0 10 N0
52 6120-69 6120-109	GIEO-LIMB	12 LM3 16 P9	13 F6
	63 6120-03 622-L0 82	25	26 L0 27 N0
	P3 81 N 09 78 P3	92 L3	90 L3 L3 50 P3
76 76 75	80 LM9	49 89 89	40 38 40 12 P3 12
10 ^{mc}	86 85 84°11 ⁻ 50°W 99	48 Qi 48 Qi 96 -2 884°111 P3 1	58 ₩ 58

622 - Lowland Shrub

413 - Aspen



John St. Pierre : Examiner





Age Class

	Nor	to solo	\$ \{	51 45	25°, 23°	67 0 4	63 50 5	\$ \$ \$	5 ⁸⁹	⁶ , %	89 89 89 8	8 . ⁶	70°		67 K2	051 VH	OF LA	px Jre	A A A A A A A A A A A A A A A A A A A
Aspen	0	16	0	48	0	73	0	0	2	0	0	0	0	0	0	0	0	0	139
Cedar	0	0	0	0	0	0	0	0	0	0	0	45	26	15	0	0	0	0	86
Hemlock	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Conifers	0	0	0	0	0	0	0	10	31	27	0	0	0	0	0	0	0	0	68
Lowland Deciduous	0	0	0	0	45	0	0	8	0	0	28	0	0	0	0	0	0	0	81
Lowland Mixed Forest	0	0	0	0	83	0	0	0	0	98	0	0	0	0	0	0	0	0	181
Lowland Shrub	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Marsh	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	110	36	0	57	0	41	0	80	134	66	0	0	0	0	0	0	0	524
Natural Mixed Pines	0	0	0	0	0	0	0	0	74	17	0	19	0	0	0	0	0	0	110
Northern Hardwood	0	0	0	0	0	17	0	0	0	18	60	0	0	0	0	0	0	0	95
Oak	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28
Planted Mixed Pines	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	0	18	0	9	124	0	10	3	0	0	0	0	0	164
Treed Bog	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112
Upland Mixed Forest	0	0	0	0	0	18	0	0	0	35	0	0	0	0	0	0	0	0	53
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	183	126	56	48	185	108	59	18	205	481	154	81	29	15	0	0	0	0	1748



Year of Entry: 2017Acres of HarvestTotal Compartment Acres: 1,743Commercial Harvest - 394Harvests with Site Condition - 7Next Step Harvest - 0Habitat Cut - 0

Cover Type by Harvest Method

			Contraction of the second	Delection Delection	n Clearcut	Ose Ites	Non	Contraction of the second	Enous Cor	offentes	in the second	police and the second s
Aspen		30	0	0	0	0	0	0	0	0	30	
Lowland Mixed Forest		57	0	0	0	0	0	0	0	0	57	
Mixed Upland Deciduous		146	0	0	0	0	0	0	0	0	146	
Natural Mixed Pines		8	0	0	0	0	0	0	0	0	8	
Northern Hardwood		0	0	0	0	0	23	0	0	0	23	
Red Pine		112	0	0	0	0	25	0	0	0	138	1
	Total	353	0	0	0	0	48	0	0	0	401	

Proposed and Next Step Treatments by Method

			Co. Co.	CT CT CT	Continue of	oooooooooooooooooooooooooooooooooooooo	in the second	esticion of	in in in it.	Orto No	4 ⁰ / 2	58-02-02-02-02-02-02-02-02-02-02-02-02-02-
Current		401	0	12	0	0	0	0	0	13	426	
Next Step		0	281	194	0	0	141	747	0	0	1363	
	Total	401	281	206	0	0	141	747	0	13	1789	

S t			Re	eport 4	Treatme	nts	•	tment: 155 Entry: 2017	DNR OF NATURAL PRODUCTS		
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
3	54155003- CC/Replant	49.7	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	86	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
Prese Spec	s: - Requ - Follo - Crea One po Step Monito	ire 6-inch w retention te at least ocket shou	Site Condition tention. Replant to l stump height and c n guidelines leaving 2-retention pockets uld be extended out tral Regen (Intermed	Red Pine. Us hipping of to 3-10% and focus r from the no	ps lear stai rthwest	nd bound panhandl	ary to facilitate l				
		survey 1	and 3-years after in	itial replant.	Accepta	able rege	n is a well stock	ed planted red pin	e stand with mino	r components c	of oak.
<u>Othe</u> Com	ment: will su	plement	cut and prior to repl original retention. ining Stands 3 & 33	0 1	• •	entify pock	kets of regenera	ting oak to exclud	e from chemical/m	nechanical treat	tment. These
			ds 3 & 337 into one g and Herbicide ope	replant oper	ation	ely prior to	o trench & repla	nt Old next step c	omments:		
Prop		r Choppin	ds 3 & 337 into one	replant oper	ation	ely prior to	o trench & repla	nt Old next step c	omments:		
Prop. 14	- Rolle	r Choppin <u>e:</u> 10/1	ds 3 & 337 into one g and Herbicide ope	replant oper erations are Poletimber	ation very like	ely prior to 81-110	o trench & repla Harvest	nt Old next step c Clearcut with Retention	omments: 4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
14 <u>Hab</u> i	- Rolle <u>54155014-</u> <u>Clearcut w/R</u> <u>itat Cut: No</u> <u>cription</u> Clearc <u>s:</u> - Follo - Crear - Leav - Leav - Leav	r Choppin 2: 10/1 14.7 ut with Re w retention te at least e any com e the few l	ds 3 & 337 into one g and Herbicide ope /2016 4199 - Other Mixed	Poletimber Well cutting spec 3-10% Focus one p and/or red/w	ation very like 87 bocket a rhite pin	81-110 along/nea ne every 1	Harvest r the "Black Moi -2 acres. Leave	Clearcut with Retention untain Rec Pathwa in clumps or as o	4199 - Other Mixed Upland Deciduous ay". pen grown/wind fil	Ū	Proposal
14 Habi Prese Spec	- Rolle osed Start Date 54155014- Clearcut w/R itat Cut: No cription Clearc - Follo - Creat - Leave - Leave - *Who	r Choppin 2: 10/1 14.7 ut with Re w retention te at least e any com e the few l ole tree ski	ds 3 & 337 into one g and Herbicide ope /2016 4199 - Other Mixed Upland Deciduous Site Condition tention. Use 2-inch n guidelines leaving 1-retention pocket. bination of 2-3 oak hemlock present	Poletimber Well Cutting spec 3-10% Focus one p and/or red/w	ation very like 87 bocket a hite pin romote s	81-110 along/nea ne every 1 scarificati	Harvest r the "Black Mor -2 acres. Leave on and cone dis	Clearcut with Retention untain Rec Pathwa in clumps or as o spersal (See Other	4199 - Other Mixed Upland Deciduous ay". pen grown/wind fil	Ū	Proposal
14 Habi Prese Spec	- Rolle <u>54155014-</u> <u>Clearcut w/R</u> <u>itat Cut: No</u> <u>cription</u> Clearc <u>s:</u> - Follo - Crear - Leave - Leave - Xwho <u>Step</u> Monito <u>ments:</u> <u>ptable</u> Natura	r Choppin 2: 10/1 14.7 ut with Re w retention te at least e any com e the few l ole tree ski wring, Natu	ds 3 & 337 into one g and Herbicide ope /2016 4199 - Other Mixed Upland Deciduous Site Condition tention. Use 2-inch n guidelines leaving 1-retention pocket. Ibination of 2-3 oak hemlock present id when ground isn't	Poletimber Well Cutting spec 3-10% Focus one p and/or red/w t frozen to pr diate); Monir	ation very like 87 bocket a rhite pin omote s toring, N	81-110 along/nea ne every 1 scarificati Natural Re	Harvest r the "Black Moi -2 acres. Leave on and cone dis egen (Re-Invent	Clearcut with Retention untain Rec Pathwa in clumps or as o spersal (See Other tory)	4199 - Other Mixed Upland Deciduous ay". pen grown/wind fil	rm single stems	Proposal
14 Habi Prese Spec Next Treat Acce Rege	- Rolle osed Start Date 54155014- Clearcut w/R itat Cut: No cription Clearcut - Follo - Creat - Leave - Leave - Leave - Leave - Step ments: ptable n: - PRO ment: - *Do r Rec Pa	r Choppin 2: 10/1 14.7 ut with Re w retention te at least e any com e the few l ole tree ski wring, Natu beech dor TECT "Bla bine Stan hot allow w ath". Allow	ds 3 & 337 into one g and Herbicide ope /2016 4199 - Other Mixed Upland Deciduous Site Condition tention. Use 2-inch n guidelines leaving 1-retention pocket. bination of 2-3 oak hemlock present id when ground isn't ral Regen (Intermed	Poletimber Well Cutting spec 3-10% Focus one p and/or red/w t frozen to pr diate); Moni- diate); Moni- arvest and o this stand). athway" in s sale across "Blac sh one landi	ation very like 87 bocket a hite pin comote s toring, N during 2 pecs k Mount ng site	81-110 81-110 he every 1 scarificati Natural Re 025 inver tain Rec I in each u	Harvest r the "Black Mod -2 acres. Leave on and cone dis egen (Re-Invent ntory cycle. Acco Path". Create 2- nit.	Clearcut with Retention untain Rec Pathwa in clumps or as o spersal (See Other tory) eptable regen is an	4199 - Other Mixed Upland Deciduous ay". pen grown/wind fin Comments)	rm single stems parent stand(s),	Proposal s. excluding



S t		,	Atlanta Mgt. Unit		Re	port 4	Treatme	ents	•	ment: 155 Entry: 2017	DNR DNR
	tment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	55015- cut w/R	35.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	85	111- 140	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Approved Proposal
Specs:	Clearce - Follov - Creat - Leave - Leave - Kho	w retentio e at least e any com e any hen le tree sk	nbination of 2-3 oak nlock if present id when ground isn't	cutting spec 3-10% . Focus one and/or red/w frozen to pr	retentic /hite pin romote s	e every 1 scarificati	-2 acres. Leav on and cone di	lack Mountain Rec F re in clumps or as op ispersal (See Other	pen grown/wind fir	m single stema	5.
<u>Next Step</u> Treatments		ring, Natu	Iral Regen (Intermed	liate); Moni	toring, N	latural Re	egen (Re-Inver	ntory)			
Acceptable Regen:			urvey 3-years after h					ceptable regen inclu ed.	des any mixture c	f the parent sta	and(s). Expect
<u>Other</u> Comment:	- *Com - *Do n Rec Pa - One c	bine Star ot allow v ath". Allov corner mig	v producer to establi	sale across "Blac sh one land ntain Rd. Ja	k Mount ing site ck pine	in each u witness tr	nit. ee present (se	2-payment units. On ee OFS point). Prote			ck Mountain
Proposed S		_	/2016								
Clear	55021- cut w/R	29.8	4130 - Aspen	Poletimber Well	• 45	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
Specs:	Clearco - Follov - Leave - Leave - Exclu	w retentio e the few e the few de the sn	Site Condition etention. Use 2-inch n guidelines leaving hemlock and red oa super-canopy red/w nall but obvious clun st during frozen wint	cutting spec 3-10% k hite pine 18' p of hemloo	' DBH o ck along	eastern		tment layer approxir	nates this)		
Next Step Treatments	-				_						
<u>Acceptable</u> Regen:	Natura	l regen su	arvey during 2025 in	ventory cycl	e. Acce	ptable reç	generation inclu	udes any combinatio	on of the parent st	and.	
<u>Other</u> Comment:			er ground as you mo ing log spec in prop								
Proposed S			/2016	0				0 T · ·			
Th Sal	55026- in + vage	22.8	4119 - Mixed Northern Hardwood		• 94	111- 140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Two-Aged	Approved Proposal
	N.Hard				70-80 B	A. Accou	nt for beech re	movals during BA s	wings.		
<u>Specs:</u>	- Leave - Mana - Creat - Remo	e 1-3 been ige for the ie 100ft re ove high r	stump height spec ch (preferable scale "best tree in place" gen canopy gaps w isk trees, other than ment line to ridge bo	Regardless hen able beech, whe	of Spe	cies		aterial. Salvage rema	aining beech.		
Next Step Treatments	<u>.</u>										
<u>Acceptable</u> Regen:								e understory. This s eaches final harves		naged for the p	resent/future
<u>Other</u> Comment:	- The e				erface co	ould poter	ntially serve as	the northern bound	ary (blue) line. Th	is will need to	be verified.
Proposed S		•	/2016								

S t		A	Atlanta Mgt. Unit		Re	eport 4	Treatme	nts	•	tment: 155 Entry: 2017	DNR DNR
	itment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	027-RP hin	9.3	42110 - Planted Red Pine	Sawtimber Well	55	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Approved Proposal
Habitat Cu Prescription Specs:	<u>n</u> Thin pl - Focus - Do no	s marking ot mark/cu	Site Condition pine to 120 BA. defect prone red pi t other species unle leaf-off season is a	ne and thosess they imp				iirst			
<u>Next Step</u> Treatments											
<u>Acceptable</u> <u>Regen:</u>	-										
<u>Other</u> Comment:	- Com	oine Stand	ls 27 & 46 into one	sale Old ne	xt step	comment	S:				
Proposed S	tart Date	<u>e:</u> 10/1	/2016								
	55034- Replant	56.3	42110 - Planted Red Pine	Sawtimber Medium	88	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
Habitat Cu	<u>ut:</u> No		Site Condition	<u>.</u>							
Prescription Specs:	- Requ - Exclu	ire 6-inch de Stand	tention. Replant to l stump height and c 4 from this treatmen g and Herbicide ope	hipping of to nt. It will ser	ps /e as lo	ng-term re	· etention (5E-9).				
<u>Next Step</u> Treatments		ep, Roller	Chopping; Pesticio	de, Aerial;	SitePrep	o, Trenchi	ng; Planting, I	Initial Plant; Monito	oring, Artificial Re	gen(1yr)	
Acceptable Regen:	Regen	survey 1	and 3-years after in	itial replant.	Accepta	able reger	n is a well stock	ked planted red pine	e stand.		
<u>Other</u> Comment:	- Comb	oine Stand	date is 8/21/2015, t ls 34 & 37 into one ls 34, 37, 38 into or	sale	•			s:			
Proposed S	tart Date	<u>e:</u> 8/21	/2015								
	55037- Replant	16.7	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	7	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
Habitat Co Prescription Specs:	Clearc - Requ - Exclu	ire 6-inch de Stand	Site Condition tention. Replant to l stump height and c 9 from this treatment g and Herbicide operation	Red Pine. U hipping of to nt. It will serv	ps /e as lo	ng-term re	· etention (5E-15				
<u>Next Step</u> Treatments		ep, Roller	Chopping; Pesticio	de, Aerial;	SitePrep	o, Trenchi	ng; Planting, I	Initial Plant; Monite	oring, Artificial Re	gen(1yr)	
<u>Acceptable</u> Regen:	Regen	survey 1	and 3-years after in	itial replant.	Accepta	able reger	n is a well stock	ked planted red pine	e stand.		
<u>Other</u> Comment:	- Comb	oine Stand	date is 8/21/2015, t ls 34 & 37 into one ls 34, 37, 38 into or	sale	•			s:			
Proposed S	tart Date	<u>e:</u> 8/21	/2015								

S t		Atl	anta Mgt. Unit		R	eport 4	Treatme	ents	-	Compartment: 155 Year of Entry: 2017		
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	
38 Habi [,]	54155038- Plant RP tat Cut: No	L	199 - Other Mixed Jpland Deciduous <u>Site Condition:</u>	Sapling Medium	5	Immatu re	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Approved Proposal	
	ription Initial p	lanting of th	his stand back into and Herbicide oper		very lik	ely prior to	trench & RP r	replant				
<u>Next S</u> Treatr	<u>Step</u> SitePre ments:	ep, Roller Cl	hopping; Pesticide	e, Aerial;	SitePre	p, Trenchi	ng; Planting,	Initial Plant; Monit	oring, Artificial Re	gen(1yr)		
<u>Accep</u> Regei	-	survey at 1	and 3-years after in	nitial replar	nt. Acce	eptable reg	jen is a well st	ocked planted red p	vine stand.			
<u>Other</u> Comr	nent: - Comb Old n	oine Stands ext step cor	ate is 8/21/2015, th 34, 37, 38 into one nments:				view					
	sed Start Date			Sawtimber	· 55	201+		Crown Thinning	4211 - Planted	Even-Aged		
Specs Next S Treatr	- Do no - Some - Marki <u>Step nents:</u> <u>ptable</u> n: - Comt	s marking d ot mark/cut (a areas of st ng during le	ine to 120 BA. efect prone red pine other species unles and will require mir af-off season is ad 27 & 46 into one sa	s they imp nimal mark vised	ede eq ing	uipment m	obility	first				
Propo	sed Start Date	<u>:</u> 10/1 /2	2016									
<u>Habi</u>	<u>s:</u> - Rx ob - Retai - Harve - Only	g Thin of lar jective is to n/leave red est all jack p mark remair	42210 - Natural Red Pine Site Condition: rge natural red pine manage once for o pine with good form ine, paper birch, ba ning species if they during frozen winte	to 120 BA current and n, healthy l alsam fir impede ec	nfluen I future ive crov	"large tree wns, and w nt mobility	" characteristic vind firm chara		42210 - Natural Red Pine	Even-Aged	Approved Proposal	
<u>Next S</u> Treati	<u>Step</u> ments:											
<u>Accer</u> Regei	<u>otable</u> n:											
<u>Other</u> Comr	nent: - Foun	d PVT corne	oncurrent with Stds er on west portion c on from thin appear	of Std.60's rs to wet/se	ensitive	for equipn	nent	idary line trees/plus	wire along this st	ands PVT/Stat	e interface.	
		uct thin and ext step cor	l then retain as an " mments:	Other Hab	itat SC	A" for the f	oreseeable fut	ture				

S

Report 4 -- Treatments

Compartment: 155 Year of Entry: 2017



t										Linu y. 2017	
••	itment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	55049- cut w/R	15.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	86	111- 140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
Habitat C			Site Condition:								
Prescriptior Specs:	- Follow - Leave	v retentior the few h	tention. Use 2-inch on guidelines leaving nemlock and pine sp t producing red oak of	3-10% ecies prese	ent (mos	st already	in clumps of 2-	3)	inale stems.		
<u>Next Step</u> Treatments				,,				3 • • • •	9		
<u>Acceptable</u> <u>Regen:</u>			rvey 3-years after han a full the state of t		onitor be	ech sapli	ngs. Acceptable	e regen is any mix	ure of the parent	stand, excludin	g heavy
<u>Other</u> Comment:	- Treat	Stand 48	ds 49 & 60 into one s concurrent with Std dary near bog might	s.49 & 60	e to har	vesting ed	uipment Old n	ext step comments	5:		
Proposed S	tart Date	<u>:</u> 10/1	/2016								
	55060- cut w/R	10.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	81	111- 140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
<u>Specs:</u> <u>Next Step</u>	- Follov - Exclu represe - Leave	v retentior de the sm entative sp the very	tention. Use 2-inch of n guidelines leaving hall cedar clumps/lov becies. few hemlock and pin st during frozen winte	3-10% v areas alon ne species p	ig north present	,	. ,	hese could serve	as retention if exte	ended out to ca	pture other
Treatments	<u>:</u>										
<u>Acceptable</u> <u>Regen:</u>	Natural	0	rvey 3-years after ha	arvest. Acce	eptable	regen is a	ny mixture of th	ne parent stand, ex	cluding heavy bee	ech domination	(very unlikely
<u>Other</u> Comment:	- Treat - Incluc - PVT o	Stand 48 le drummi	Is 49 & 60 into one s concurrent with Std ing log spec in propo nd on western portic	s.49 & 60 osal	ne. Gre	en marke	d ~boundary lir	ne trees/plus wire a	long PVT/State ir	nterface in Std.	48. Old next
Proposed S	tart Date	<u>:</u> 10/1	/2016								
Lov	55064- vland cut w/R	57.0	6130 - Fir, Aspen, Maple	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Approved Proposal
Habitat C			Site Condition:								
Prescription Specs:	- Follow - Creat two of o - Leave - Leave - Feel f - Cond	ving reten e at least cedar (mu e the few h e the few l ree to gra uct harves	tention. Use 2-inch of tion guidelines leavi 3-retention pockets ultiply OFS points pro- nemlock present egacy pine present b a little aspen from st during frozen winto ng this sale a 4-year	ng 7-10% of larger siz ovided). OF (26" DBH or Std.69 er months. <i>I</i>	e (~1ac S point greate	"Good Re r)	ten Local" offer	s all of the above.		0FS point), and	a clump or
<u>Next Step</u> Treatments		ring, Natu	ral Regen (Intermed	iate); Monit	toring, N	Natural Re	egen (Re-Invent	ory)			
Acceptable Regen:	Natural parent	-	rvey at 5-years and/	or during 20)25 inve	entory cyc	le. Dependent u	upon harvest comp	letion. Acceptable	e regen is any r	nixture of the
<u>Other</u> Comment:	 Obvio location 	us non-op ns may sti	ing log spec in propo perable, too wet, and ill exist. comments:		antable	locations	s have already b	been excluded fron	n treatment bound	lary. However,	similar
Proposed S	tart Date	<u> </u>	/2016								

S t			Atlanta Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 155 Entry: 2017	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
65	54155065- Clearcut w/R	53.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	92	111- 140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
	<u>s:</u> - Follov - Creat within r - Place - Run v - Whole	w retentio e at least retention. e retentior west treat e tree ski	Site Condition: etention. Use 2-inch of n guidelines leaving : 3-retention pockets. In near stand boundar ment line at ridge boo d (no seasonal restricural Regen (Intermed	cutting spec 3-10% Capture ma y to facilitat ttom along \$ ctions)	ast proc e possi Std.26	ducing oal ble replan	k, some of the	few pine/hemlock p	present, and other	well represent	ed species
	<u>nents:</u> <u>otable</u> Natura <u>n:</u> excludi - Incluc	l regen su ing heavy de beech	urvey 1 and 3-years a beech/iron dominati hauling restriction in	after harvest on (quite po specs	to mor ssible i	nitor beec n this star	h/ironwood sap nd).	lings. Acceptable r	egen is any mixtu		
<u>Comm</u>		Next Step	forest road along Sta p Rx" comments in M /2016								be verified.
144	54155144- Clearcut w/R	8.2		Sawtimber Well	82	111- 140	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Approved Proposal
	s: - *See - Whole across - Leave	"Other Co e tree ski Lake Six e any con	Site Condition: etention. Use 2-inch of omments" regarding d during VERY DRY teen Rd. hbination of 2-3 oak a hemlock present	cutting spec retention summer mo	onths to	•					
<u>Next S</u> Treatr	<u>Step</u> Monito <u>ments:</u>	ring, Natu	ural Regen (Intermed	iate); Monit	oring, N	Natural Re	egen (Re-Inven	tory)			
<u>Accep</u> Reger			urvey 5-years after ha					ure of natural pine a	and deciduous spe	ecies. Expect s	tronger
<u>Other</u> Comm	<u>nent:</u> - West		etention (5C-25) will a dary along bog might ents:								well. Old
<u>Propo</u>	sed Start Date	<u>:</u> 10/1	/2016								
337	54155337- CC/Replant	6.2	Red Pine	Sawtimber Medium	88	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
<u>Habit</u>	<u>tat Cut:</u> No		Site Condition:								

PrescriptionClearcut with Retention. Replant to Red Pine. Use 2-inch cutting spec.Specs:- Require 6-inch stump height and chipping of tops

- Exclude western portion from treatment. It will serve as long-term retention (5E-32).

- Roller Chopping and Herbicide operations are very likely prior to trench & replant

SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr) Next Step Treatments:

Acceptable Regen survey 1 and 3-years after initial replant. Acceptable regen is a well stocked planted red pine stand.

Regen:

Other - Consider combining Stands 3 & 337 into one sale

- Combine Stands 3 & 337 into one replant operation Old next step comments: Comment:

Proposed Start Date: 10/1 /2016

S t			Atlanta Mgt. Unit		Re	eport 4	Treatmer	nts		ment: 155 Entry: 2017	DNR ALLAND
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
428	54155428-NF	9.5	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	330 - Low- Density Trees		Approved Proposal
Prese Spec		ain open c	Site Condition	-	nods or t	fire as fur	nding allows.				
	tments: ptable_ en:										
<u>Othe</u> Com	<u>r</u> Old r <u>ment:</u>	ext step o	comments:								
Prop	osed Start Date	<u>e:</u> 10/1	/2016								
453	54155453-NF	3.4	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Approved Proposal
Preso Spec	<u>Step</u>	ain open c	Site Condition character using mech	-	nods or i	fire as fur	nding allows.				·
	<u>tments:</u> ptable_ en:										
<u>Othe</u> Com	<u>r</u> Old r <u>ment:</u>	next step o	comments:								
Prop	osed Start Date	<u>e:</u> 10/1	/2016								
A	Total Treatm creage Propos		426.2								

John St. Pierre : Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	D	ominaı	nt Site	e Con	dition	s	
Acres	Available	With Condition	Not Available		5B	5C	2F	2G	3G	5E
138	137	0	2	Aspen						2
86	86	0	0	Cedar				0		
7	7	0	0	Hemlock						
1	1	0	0	Herbaceous Openland						
13	13	0	0	Low-Density Trees						
20	20	0	0	Lowland Aspen/Balsam Poplar						
68	13	10	45	Lowland Conifers	10				45	
81	53	0	28	Lowland Deciduous				28		
180	143	37	0	Lowland Mixed Forest		37				
26	26	0	0	Lowland Shrub						
17	17	0	0	Marsh						
523	405	115	2	Mixed Upland Deciduous		115	2			
109	50	56	4	Natural Mixed Pines		56				4
95	77	18	0	Northern Hardwood		18				
28	0	28	0	Oak		28				
9	9	0	0	Planted Mixed Pines						
164	130	13	21	Red Pine		13			9	12
112	112	0	0	Treed Bog						
53	18	31	5	Upland Mixed Forest	11	20	5			
13	13	0	0	Urban						
1	1	0	0	Water						
1,743	1,329	307	106	Total Forested Acres	21	286	7	28	54	17
	76%	18%	6%	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 No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	11	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Southern portion of stand features steep slopes (35-45%). Might be operable except for the area occupied by site condition 2F-28. Black Mountain Rec Path through stand is heavily used by public as well.							

Compartment: 155 Year of Entry: 2017

		Atlanta Mgt. Unit Pierre : Examiner		Report 5 – Site Cor	nditions	Compartment: 15 Year of Entry: 20	
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Also: A ridge line v 29.	vith steep slopes (35-45%) trave	ls ~eas	st/west through ~center of s	tand. Might be operable e	ccept for the area occupied	by site condition 2F-
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Also: Black Mount	ain ski/hiking trail travels through	n this s	tand. Steep slopes exist alc	ng northern tip and easter	n boundary as well (35-45%	6).
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Large log and with	some legacy tree sized red and	white	pine dominated stand. Red	oak and hemlock present	as well.	
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

8 Available 5B: Maintain for regeneration purposes 10 5C: Delay treatment for age/size class diversity or exceptional site quality Unspecified Unspecified Comments: Sensitive soils and contains difficult to regenerate species. Some of which are managing to regenerate at this time. Stand is still a bit on the putting on decent growth given proximity to water table. Unspecified Unspecified Unspecified 9 Unavailable 5E: Long-Term Retention 4 Unspecified Unspecified Unspecified 10 Available 5E: Delay treatment for age/size class diversity or exceptional site quality 7 Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Uns		Compartment: 155 Year of Entry: 2017	itions	Report 5 – Site Cond		stlanta Mgt. Unit Pierre : Examiner		
Sensitive soils and contains difficult to regenerate species. Some of which are managing to regenerate at this time. Stand is still a bit on the putting on decent growth given proximity to water table. 9 Unavailable 5E: Long-Term Retention 4 Unspecified Unspecified Unspecified 10 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 7 Unspecified Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified	Unspecified	Unspecified	Unspecified	regeneration purposes age/size class diversity or exceptional site				3
Comments: 7 Unspecified Unspecified Unspecified 10 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 7 Unspecified Unspecified Unspecified Comments: 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Comments: 18 Unspecified Unspecified Unspecified Unspecified Comments: 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified 13 Unspecified Unspecified Unspecified Unspecified	young side but is	ne. Stand is still a bit on the yo	ig to regenerate at this t	. Some of which are managin			Sensitive soils and	
10 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 7 Unspecified Unspecified Unspecified Image/size class diversity or exceptional site quality 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Image/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Comments: Pole size stand with large component of saps converting to poles. Allow the smaller component of beech to fall out and self-thin stand. 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified Image/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	4	5E: Long-Term Retention	Unavailable	9
age/size class diversity or exceptional site quality Comments: 11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified Comments: Pole size stand with large component of saps converting to poles. Allow the smaller component of beech to fall out and self-thin stand. 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time. Unspecified Unspecified Unspecified							Comments:	
11 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 18 Unspecified Unspecified Unspecified 11 Available 5C: Delay treatment for exceptional site quality 18 Unspecified Unspecified Unspecified Comments: Pole size stand with large component of saps converting to poles. Allow the smaller component of beech to fall out and self-thin stand. 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time. Unspecified Unspecified Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	7	age/size class diversity or	Available	10
age/size class diversity or exceptional site quality - Comments: Pole size stand with large component of saps converting to poles. Allow the smaller component of beech to fall out and self-thin stand. 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time. Unspecified							Comments:	
Pole size stand with large component of saps converting to poles. Allow the smaller component of beech to fall out and self-thin stand. 12 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Unspecified Unspecified Unspecified Comments: Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time. Vertical stress of the stress	Unspecified	Unspecified	Unspecified	Unspecified	18	age/size class diversity or	Available	11
age/size class diversity or exceptional site quality Comments: Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time.		out and self-thin stand.	mponent of beech to fall	o poles. Allow the smaller cor	erting to	h large component of saps conv		
Wait at least two-entrys before harvesting oak with the possibly merchantable aspen/red maple at that time.	Unspecified	Unspecified	Unspecified	Unspecified	20	age/size class diversity or	Available	12
13 Available 5C: Delay treatment for 3 5B: Maintain for Unspecified Unspecified			d maple at that time.	ssibly merchantable aspen/re	the pos	ntrys before harvesting oak with		
age/size class diversity or regeneration purposes exceptional site quality	Unspecified	Unspecified	Unspecified	5B: Maintain for regeneration purposes	3		Available	13
Comments:							Comments:	

		Atlanta Mgt. Unit Pierre : Examiner		Report 5 – Site Cor	nditions	Compartment: 15 Year of Entry: 20′	
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wait at least two-e	ntries before considering a treat	ment. 3	Should allow aspen/red ma	ple to achieve some merch	antability.	
15	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long-term retentio	n for final harvest and replanting	activit	ies that are supposed to ta	ke place in Stands 38, 337	, 37, and 34.	
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Small acreage star 68 during next entr	nd and difficult to regen species. ry.	Curre	nt species composition will	hold for longer than I have	left on this planet. Conside	er treating with Stand
17	Unavailable	3G: Other Influence zones - See comments	27	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	hemlock (75-85yrs	nd 44 are acting as a wildlife sar old) that is managing to regene ing below the scattered red oak	rate in	areas. Barred owl and grou	use were both observed du	ring stand inventory. Other	terrestrial wildlife
18	Unavailable	3G: Other Influence zones - See comments	18	Unspecified	Unspecified	Unspecified	Unspecified
		his stand is serving as a wildlife sies. Would like to propose this a			e large bog complex. Is also	o found atop sensitive soils	and contains difficult
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

	,	Atlanta Mgt. Unit		Report 5 – Site Cond	itions	Compartment: 15	5
		Pierre : Examiner				Year of Entry: 2017	
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Delay treatment du	ue to surrounding management a	activitie	5.			
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
		nd appears too wet and operatio llow birch sap/pole regen observ				nanaged when Std.75 is tre	ated in the future.
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
		ults in Std.15, and Std.14 to a les ne production. A similar Rx could				as used (Hopefully) in both	stands (14/15) to
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Assess harvest an	d regeneration results within the	northe	rn portion of this stand before	proposing/conducting	any further treatment(s) in t	ne southern portion.
25	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
		erm retention portion of Std.144 i ment west of the road. This actio					ding is in the Rx

		Atlanta Mgt. Unit Pierre : Examiner		Report 5 – Site Cond	itions	Compartment: 15 Year of Entry: 20 ⁷	
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consider treating c	during 2027 YOE. A lot of manag	gement a	activity occurring south of thi	s stand during 2017 YO	Ε.	
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
		ed. Removed the Rx in an attem 10-years. Removed Rx can be fo			st target acres for Hamn	nond Lake Bay Plain M.A. f	or 2017 YOE. This
28	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Steep slopes (40-4	5%).					
29	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
		the prominent ridgeline traveling ng ridgeline/steep slopes might b				quipment and could easily	result in resource
31	Unavailable	3G: Other Influence zones - See comments	9	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
		ve is to manage once for current a small but unique representation				nduct thin and then capture	as an "Other Habitat
32	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long-term retentio	n for final harvest and replanting	activitie	es that are supposed to take	place in Stands 38, 337	, 37, and 34.	



Report 6 – 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 Name SCA Category		Recommendation	Acres	
	Habitat Areas or Corridors	Other Habitat Area	Proposed SCA	9	
Comments					
	atural red pine 70-120+ years old. An ir pproved on 8/20/15 at Comp Review.	ncreasingly rare feature within	n this MA. Thin and then hold as an "C	Other	
	Habitat Areas or Corridors	Habitat Corridor	Proposed SCA	27	
Comments					
	tand 44 are acting as a wildlife sanctuar hemlock (75-85yrs) that is regenerating			marily	
	Habitat Areas or Corridors	Habitat Corridor	Proposed SCA	18	
Comments					

This stand (44) and stand 42 are acting as a wildlife sanctuary and corridor across the large bog complex. Also, this stand is primarily composed of difficult to regenerate lowland conifer species. Habitat SCA approved on 8/20/15 at Comp Review.



Report 7 – 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.

Conservat Area	ion Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wil proposed for legal dedication, but for which legal dedication by le nomination process is defined by Part 351, Wilderness and Natu Environmental Protection Act, 1994 PA 451. The program is adm require the submittal of a Natural Areas Nomination Packet to the proposed sites in various stages of review. Final dedication of no Areas is accomplished through legislative action.	gislature has not occurred. The ral Areas, of the Natural Resources and inistered by the DNR. Nominations e DNR. This is an active program, with
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and and Environmental Protection Act, 1994 PA 451. The program is require the submittal of a Natural Areas Nomination Packet to the proposed sites in various stages of review. Final dedication of no Areas is accomplished through legislative action.	administered by the DNR. Nominations DNR. This is an active program, with
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (ra threatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations of managed for restoration and maintenance of natural ecological p submit recommendations for lands as ERAs using the DNR Cons	I Features Inventory (MNFI) within the Occurrences with viability ranks of A rity) ranking of endangered (1), may be located upon any ownership in of natural community types that are rocesses and values. The public may

S t	Atlanta Mgt. Unit			Report 8	– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4199 - Other Mixed Upland Deciduous	Sapling Well	5.5	7	1-50	Area affected by blow down possibly ~7yrs ago based upon BTA age. May of been during the '07-08 tornado or some other wind event. Downed log size trees still present. Now a broad mix of sapling size species present before and/or establishing shortly the event. Some pole/log and log/pole size species still remain in overstory.
2	4123 - Red Oak	Sawtimber Medium	20.3	88	51-80	This stand was part of "Extra Blue" timber sale cut in '98. Rx was to leave all oak and cut the rest (some pole/log and log/pole pine remains, and a few pole RM). This stand could very easily be called a O7/O8 or MD2/MD3 stand. Aspen and RM are primarily the future for this stand. Sapling stocking can vary a bit and I'd estimate a future canopy closure of 50-75% after competition is said and done between sap understory and RO remaining in overstory. No RO regen and some scattered pockets of sapling pine production.
3	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	49.7	86	111-140	 This stand (3) was previously two separate stands. Stand 3 was coded as an R6 and was basically the west 1/2 of current shape. Stand 5 was an R9 and basically the east 1/2 of current shape. Std.5 was part of "VF30" timber harvest in '98 where all orange/yellow marked RP was cut. Both stands were part of "155 Red Pine" timber harvest in '10. Rx was cut all orange marked RP and cut all RM, JP, and aspen. The entire 80 this stand resides in was planted to RP in '31 (with 2yr old RP). Portions of that planting obviously failed. Today, the west 1/2 (what was Std.3) has greater RP diameter variability (some smaller DBH's than found in east 1/2). Sapling presence (BTA clones, RM sprouts) is greater in west 1/2 as well. The east 1/2 (what was Std.5) holds pretty steady with RP between 14-16" DBH. Nearly absent understory in east 1/2. Red oak log/xlog is everywhere. Not the highest quality but has lots of character and quite large on average.
4	42110 - Planted Red Pine	Sawtimber Well	3.6	86	141-170	A pocket of log RP that escaped 2008 salvage. Yellow marked RP (and un-marked) within. Deciduous removal more than likely occurred during the '98-01 timeframe. OPIC - FMD: SCA Black Mountain Forest Recreation Area.This stand was cut in 2008 to salvage timber from a tornado.A variance was issued on 11/30/2007 to accomplish this salvage. All undamaged oak and pine trees were left. Mixed regeneration of aspen, oak and pine is acceptable.
5	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.9	68	81-110	Somewhat of a lowland version of Std.45 featuring more conifer (fir, cedar, ~hemlock). Becomes wetter, diameters decrease, and canopy closure reduces as you move east. Becomes somewhat more "lowland shrubby" as you move east as well. A lot of blow down and tip-ups present.
6	4123 - Red Oak	Sawtimber Medium	8.2	86	51-80	Like Std.2, this stand was part of "Extra Blue" timber sale cut in '98. All red oak was left, the rest was cut. Some sap/pole red/white pine present. BTA and RM saps strong (75-100% closure) in areas and less dense (50-75% closure) in others. The lower closure % occurs mainly below areas with high BA of RO in overstory. Very little RO regen as there as there are no stumps to sprout from. The stand will probably develop into an MD5, then MD8 overtime if the RO left isn't taken into account.

S t	Atlanta	a Mgt. Unit		Report 8	– Forestec	I Stands	Compartment: 155 Year of Entry: 2017	DRR DR NATURAL
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	MICHIGAN
7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	22.7	86	51-80	sure what to call fairly obvious that while below is a deciduous and p center and north Some large p northern 1/2- understory, I'd occurred about heavier to log/x avoided. I'll say lo high side of 50- pathway snakes ti	nd is in used to be privately owned this stand. Beginning in the south log RO and some pine remain in a ~35 year old sap/pole understory ine. More log/xlog RP begins to pinem 1/2, especially along with ove ole/small log BTA/RM can also be 1/3 of stand. Given the prevalent s fathom a BTA/RM + some WP/JF t 35yrs ago. RO and RP were left log RP (the north 1/2-1/3) were min- g is still dominant but canopy clos 75%. It is 75-100% in areas. Black hrough stand. Steep slopes in nor ions along the eastern boundary.	thern 1/2, it's the overstory y of mixed op-up in the prstory RO. found in sap/pole P removal and areas ore or less sure is on the < Mountain
8	4199 - Other Mixed Upland Deciduous	Sapling Well	57.5	35	1-50	past. As such, no stand featuring m location and spe nearly uniform p that. BTA and R(pine are nearly p recruited. My RC 5% log/xlog RO t Quite a few individ trees. Especially Definitely a stru present. Log v observed but at re center (north to so	I is in was privately owned in the n of cut record was located. A very u lany sap and many pole sizes dep pecies. The stand is getting very clo ole size but think it's a little to soo O seem to be mostly pole size. Ma bole. Saw a lot of RO stump sprou 0, 20%, 5", p/s/l canopy listing abo hat MIFI wouldn't allow me to plac dual and clumps of log/xlog RO, W y on steeper slopes along western ucturally (vertically) diverse stand ersions of all other remaining spe- educed frequency. Basically walke both of stand and may of missed wo. Imagery shows possible conife in the NE and SE corners.	pland mixed ending upon se to being n to label it aple, beech, ts that have we includes e in the list. /P, RP leave boundary. with these cies were ed right down a heavier log
9	42110 - Planted Red Pine	Sawtimber Medium	6.3	86	51-80	were treated/sa	s just a bit higher than surrounding Ivaged. Pockets of WP/RP advan ous sprouting present but not over	ced regen
						a tornado.A varia this salvage. All u	s stand was cut in 2008 to salvage ance was issued on 11/30/2007 to ndamaged oak and pine trees we on of aspen, oak and pine is acce	accomplish re left. Mixed
10	4139 - Aspen, Mixed Deciduous	Sapling Well	47.9	26	1-50	Clumps/pockets Undulating a percentages m stand was similar suggests this sta Harvest bega BTA: 761cds RO	e winning specie at this point in th of RP/WP observed. Scattered R and rolling terrain throughout. RO a ight be higher than what I have lis to Std.15 before harvest (cruise f and had more BTA), than I would's see more RO regen. n '87 and finished up in '90. Cruis 345cds/45mbf PB: 88cds MxdF WD: 74cds RP: 45mbf WP: 11m	O mixed in. and RM ted. If this igures below /e hoped to e figures: Pine: 87cds

S t	Atlanta	Atlanta Mgt. Unit			– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
11	4310 - Pine, Oak Mix	Sawtimber Well	15.5	81	111-140	One of the few "undisturbed by man" stands (within the last ~80yrs anyway) I've viewed in awhile. Fire went through as burned stumps abound and a few charred snags present. Pine/aspen are mainly log size. Red oak is large pole/small log. Oak is scrubby to marginal quality. Good WP sap understory and deciduous saps are in check. Likely because no removal harvests have taken place. Steep slopes (upslope) south of the Black Mountain trail that runs through this stand.
						OPIC - FMD: Lots of Burned WP stumps. Manage for WP.
13	42210 - Natural Red Pine	Sawtimber Well	2.8	113	171-200	An outlier pocket (even though it used to be everywhere) of red pine. The RP I aged was just as the OIPC comment states "badly suppressed". The core I took was from an RP that might of been a two-stemmer. As a result, my age might be a little off (it's old RP either way). BTA along northern boundary. A mix of RO, BTA, and pine near the southern boundary. Center of stand is RP with a few WP/RO mixed in.
						OPIC - FMD: STAND HAS ALWAYS BEEN BADLY SUPPRESSED.
14	4199 - Other Mixed Upland Deciduous	Poletimber Well	38.3	87	81-110	A bit of size and age variation within this stand depending upon where you venture. Very pole size in areas and very log size in other areas. BTA varies from very log in western areas to clumps of pole/log as you move east. Similar scenario with RO, more log in west moving into pole/log in east. Mostly pole sized species along and atop the prominent ridge in south. Very good looking red oak and sugar maple poles along/atop the prominent ridge. Dominant age of 86 years might be a bit excessive, but variation of sizes made pinpointing a clear stand age difficult. Present are a few larger RP, WP, and RO that must of served as leave trees when last harvested. Appears that hemlock was left as well. Quite a bit of pole/sap/and some log beech (with scale) present. Mostly in clumps yet scattered throughout as well. Most sap species present are on the cusp of converting to pole size. The main ridge in south is steep (~40-45 degrees) but gradual. A few other steep ridges just north of the south "Black Lake Rec Trail" appeared inoperable due to slope.
15	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	35.6	85	111-140	Primarily dominated by marginal to scrubby RO of small log/large pole size. Western and southern areas are atop a slight ridgeline/higher elevation and feature the "scrubbier" version of RO. WP and RP are common in overstory as are pockets of/and scattered BTA. 1929, 100 TPA of WP planted in general area. WP saps are giving it a go in the understory as well as RP to a lesser extent. RM aren't overwhelming the understory and RO saps are present. Southeast "blob/pan- handle" has more canopy WP/RP representation and is of larger size. Old burnt stumps abound.
16	4310 - Pine, Oak Mix	Sawtimber Well	19.8	86	111-140	Compositionally similar to Std.15 to the west. RO, WP, and RP are the dominant canopy species. Most deciduous species are of poorer form and marginal in quality. The exception being a handful of better quality, log-sized RO scattered about. Pine species are well suited (some WP planted here in '29) to the site and appeared healthy and of good form. Prolific WP saps in understory. A prominent patch (~2ac) of RP/WP located in center/SE of stand. This can be seen quite well on imagery. Pockets of BTA present as well as scattered individuals of BTA and RM. Old burnt stumps present.

S t	Atlanta	Atlanta Mgt. Unit			– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42290 - Natural Mixed Pine	Sawtimber Well	18.7	100	141-170	A very impressive large/and legacy RP and WP stand. A planting record from '29 specifies some WP planted in quarter/quarter that captures some of the stands western portions. The majority of pine present is 100 or more years old, so I labeled it as a natural stand. Pine averages nearly 100ft tall. Measured a WP at 104ft. Scattered RO log trees and clumps of hemlock present. A shelterwood harvest completed here in '87. Rx was cut marked RP, WP, RO and remove all the rest. Natural and vegetative RM sap/some poles are prolific in understory. One prominent hemlock/WP pocket along snowmobile trail (OFS point marks the location).
19	42290 - Natural Mixed Pine	Sawtimber Medium	41.7	78	81-110	Unit 2 of "155 Red Pine" cut in ~'10. Thin/cut marked pine and harvest all RM, BTA, and JP. Did not find a planting record so stating this in a natural pine stand. North 1/2 (more or less) has a more desirable understory mix of WP/RO saps and some RM to a lesser extent. South 1/2 has areas with prolific RM/BTA sap production (where gaps in pine overstory can be seen on imagery). This was spurred on by deciduous removal when thin + removal took place in '10. Might of been part of tornado salvage? But I think not.
						 OPIC - FMD: Remove jack pine and aspen, red maple, plus red pine where needed for equipment movement. Sale cut 2010 on 54-033-07-01; FTP's C54-870 (burn) C54-871 (plant rp) if applicable.
20	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	20.1	71	141-170	A pine/aspen mixed stand. WP and RP were more or less of the same size class yet WP aged about ~10yrs older. Aspen appears offsite, old, and of poor form. Pine is where it belongs. Some undulating/slight ridgeline terrain. Aspen is found in pockets as well as being scattered throughout. The same holds true for pine. Understory isn't overrun with deciduous (which is nice). Small chunk in northeast area was part thin + removal harvests that took place in Std.17. Some dense BTA/RM sap/poles there.
						OPIC - FMD: Consists of amalgamated clumps of smaller white pine, sawtimber red pine and nesting cavity aspen. PArVHa/PArVVb
21	4130 - Aspen	Poletimber Well	30.6	45	111-140	Aspen and RM dominated stand. Large log/and xlog WP scattered about. Clumps of log/pole hemlock are present as well. One larger hemlock clump on far east boundary (see OFS point). Aspen diameters are a more log/pole in western ~1/2. Aspen DBH's begin to decrease as you move east (onto lower ground). Pit and "moundy" within stand. Appeared primarily upland with some lower locations.
23	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	2.4	76	141-170	Possible boundary exclusion and/or retention when Std.39 was set-up for harvest. Wolfy versions of large WP, RP, and aspen tend to dominate. Some pole sized pine nestled within.
24	4133 - Aspen, Mixed Pine	Sawtimber Well	1.5	75	141-170	Appears to be another retention pocket when Std.39 was set-up for harvest. May of been retained for its relatively high percentage of pine and red oak. Age of 75yrs was taken from an RP as I didn't trust the "coring soundness" of the aspen present.

S t	Atlanta	n Mgt. Unit		Report 8	– Forested	Stands Compartmen Year of Entry		DR NATURU PROUNCE
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:		MICHIGAN .
25	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	44.8	37	81-110	A mix of just about every species, size cla primarily log/pole size but saps are prese higher percentage species (RM, BF) are depending upon location. Current compo- probably the result of a treatments that a here in '72 & '78. It's my opinion that the merchantable in some areas and obviousl other areas. Pit and "moundy" throughou lowland until reaching the eastern ~1/3 chunk of A6/M3 split from Std.26 was ad extends a few chains on either side OPIC - FMD: A slow growing mix of P, patches larger trees on higher (PArVCo) extreme east end of st	ent. Remain sap/pole c sition and s apparently f e stand is o y non-mero of the stand ded to this e of Brown E, Q, and I land. Site	nder of the or pole/sap structure is took place obviously chantable in d primarily d. A ~5ac stand and Rd. L. A few
26	4119 - Mixed Northern Hardwoods	Sawtimber Well	22.8	94	111-140	This stand sits atop a ridge composed of The soil type is allowing the growth of so usual NHD species for this particular regi single stem SM/beech tends to dominate. along the ridge line features more BTA, common throughout. Beech scale is jus Beech saps more than dominate the	mainly Kla omewhat b on. A mix o The easte although th t about ever	etter than of multi and rn boundary he type is erywhere.
27	42110 - Planted Red Pine	Sawtimber Well	9.3	55	201+	Red pine planted in spring of '63. RP of planted. Their growth rate is impressive of pine appeared healthy with good live crown thinned in '98 (as was Std.46) and sma average with examples +- 2" DBH. Mer between 6-8 sticks depending upon the t understory are patchy and not really con Overstory deciduous species listed in came along the perimeter.	(to me any n still rema Ill log (~10' chantable ree. NHD s nsistent thr opy table c	way). Red aining. Row ' DBH) is height is saps in the roughout.
						OPIC - FMD: THINNED 1998, S	SALE 32-9	17
30	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	35.9	14	1-50	Unit 1 of "Klister Blue" timber harvest cur leave all WP and cut the rest. Residual E areas. Some scattered pole/log sizes of a above remain (these escaped the proces vegetative growth are beginning to pop-up areas as near lowland shrub Std.22. A co at the sap level with variable mixing rati where you're standing. Very well could b Hard to determine the day I was visiting. 2001.	BA is well a canopy spe- sor). Pole as well. L mpletely m ios depend be lowland	bove 50 is ecies listed sizes from ower/wetter nixed stand ling upon w/upland.
31	6127 - Lowland Pine	Sawtimber Well	10.3	60	111-140	Mixed conifer stand with white pine being and Blk Spruce are common associates. O of WP that was cored, growth seems to b the water table. Two (or one because the hemlock pockets present (see OFS point throughout as well and was regenerating i acre areas of lowland shrub p	Given the y le aided b p y're quite c t). Scattere n areas. A	vounger age proximity to close) small ed hemlock

S t	Atlanta	ı Mgt. Unit		Report 8	– Forested	Stands	Compartment: 155 Year of Entry: 2017	DNR DNR
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	A. MICHIGAN
32	4199 - Other Mixed Upland Deciduous	Sawtimber Well	21.7	74	111-140	in areas and more l oak, and the small size. SM and RM v upon location. W SM/RM with the af stand (north of E// SM/RM. East port log/pole NHD and ap and timber quality of more mixing of p pole/sap/log size. portion of stand. Th	ated stand (with aspen/oak/pin M9 in others. Aspen, pine, basis component of hemlock are ver vary between pole/sap and log est of snowmobile trail is more orementioned log size species N forest rd) begins to offer more tion (north of E/W forest rd) has opears to be lower ground (BAI degrades. South of E/W forest ine/aspen/RO and lower quality A pine pocket is located in cer is pocket can be seen on image S point marks the location.	swood, red y much log depending pole/sap . Center of re log size s a mix of M observed) rd features / NHD of hter/south
33	42140 - Planted Mixed Pine	Sawtimber Medium	9.2	75	51-80	Couldn't located the part of a larger remo sale left some log/p present is a fairly a understory with a pro small ~1.5ac pocket stand. This doesr	and probably part of '29 RP/WF particular sale, but I believe thi oval sale that occurred in '89. A ole WP/RP and removed all th aggressive vegetatively regene ominent "residual" pine oversto east of Brown Rd that I've lum n't appear to of been part of '89 ere the log/pole sized BTA, JP, occur.	s stand was ppears that e rest. Now rating sap ry. There's a ped into this removal
34	42110 - Planted Red Pine	Sawtimber Medium	56.3	88	51-80	 A 50ac RP,WP,F ~20ac of stand h timeframe that left all an area just east of another species rem RP shelterwood + s think a tornado salva as well RP planted in '29 of composition now fea planted RP and som ranged between 40-1 An very dense sap stand. Species doi location. RM and N portions) while asper areas). RO saps fai stump-sprouts off of happen). This st dominated dependi felt the remaining F stand to b OPIC - Reduce to 30 On November 30, Parts of stands 34 Previous prescription All undamaged oak and da Sale cut 2010 on 54- 	"Quick" Stand History: RO thin + species removal in '8 ad a species removal harvest if pine. Sap layer is now ~15yrs of Co.Rd489. 3) About ~51ac unoval while leaving yellow mark species removal) in '08-10 time age occurred sometime in '08-10 that took out damaged pine. (RP was 2yrs old when planted atures an overstory of mainly late e WP of the same general size 100 residual with an average B/ ling layer extends throughout no minance within the sap layer van VHD associates own some are in clones claim other areas (wes f large DBH stumps (which doe and could be considered sapling ng upon the who's eyes are lood RP overstory was to extensive the e labeled as "sap dominant". PBA, retaining species diversing red maple. 2007, the following variance ward and 37 were leveled by a recert is of shelterwood were changed. and pine trees will be left uncu- maged trees will be salvaged. -033-07-01; FTP's C54-870 (bu (plant rp) if applicable.	in '98-01 advanced in inderwent ied pine (~a iframe. 4) I 0 timeframe I). Current irge log/xlog 2. BA swings A of 55 sq/ft. host of this aries upon as (center stern/eastern d some RO esn't always ng or log sking at it. I o allow the ty other than as granted: ht tornado. d to clearcut. it. All down

S t	Atlanta	a Mgt. Unit		Report 8	- Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4139 - Aspen, Mixed Deciduous	Sapling Well	15.8	7	1-50	East 1/2 was part of '08 salvage and the west 1/2 (~7ac) was clearcut in "98-01 timeframe. The aspen (and other species) in west 1/2 is sapling and pole size. East 1/2 is still sapling size. In both is a broad is a somewhat broad mix of species. A few scattered pole/log and log/pole size WP/RP throughout.
						OPIC - FMD: SCA Black Mountain Forest Recreation Area.This stand was cut in 2008 to salvage timber from a tornado.A variance was issued on 11/30/2007 to accomplish this salvage. All undamaged oak and pine trees were left. Mixed regeneration of aspen, oak and pine is acceptable.
37	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	16.7	7	1-50	 "Brief Stand History" 1) ~7ac of the northern triangle had a removal harvest in "98-01 timeframe, left pine and cut the rest. 2) This stand, and Std.9/337 had had an RP seed tree + species removal in 08'-10 timeframe. 3) May of been part of '10 salvage after tornado. 4) FTP C54-870: burn to remove competition and regenerate RP never occurred here. APPEARS RP WAS THE MO FOLLOWING LAST TREATMENT. IF THIS IS THE CASE, I FAIL THE REGEN CHECK. So, based upon the above history, this stand now has an average BA of 14 sq.ft of log RP (and some WP) in the overstory. And a mix of ~5-15 year old saps in the understory. WP saps (probably there before treatments) are present. Some RP and JP saps can be found throughout as well. Aspen clones only start to increase as you move into northern/narrowing portion of stand. Aspen density isn't overly thick and walking through clones isn't a chore. Southern/larger portion of stand has a less densely stocked sap layer (50-75%). I chose to call this a sapling dominated stand and it's on the high side of 50-75 canopy closure (higher in north, lower in some southern areas).
38	4199 - Other Mixed Upland Deciduous	Sapling Medium	11.9	5	Immature	Fifty percent forested (medium to high stocking) and fifty percent non-forested. If you're looking at this stand from County Road 489, the regen looks acceptable (mainly RM sprouts). Once 40-50 yards into the stand (off of Co.Rd 489), the regen more or less abruptly quits. Aspen clones begin to pick up as you reach the east and northern boundaries near Std.39. This was a planted RP final harvest back in 2010. It was supposed to be burned and then replanted (see FTP notes below), these never took place. I recommend this stand receive a "fail" with regard to acceptable regen (both deciduous and especially conifer). OPIC - FMD: Previously species thinned. Excellent red maple regeneration. Sale cut 2010 on 54-033-07-01; FTP's C54-870 (burn) C54-871 (plant rp) if applicable.

S t	Atlanta	n Mgt. Unit		Report 8	– Forested	Stands Compartment: 155 Year of Entry: 2017	DNR DRATURAL PROVINCE
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	MICHIGAN .
39	4199 - Other Mixed Upland Deciduous	Sapling Well	70.2	6	1-50	As the OPIC note states below, this was part of timber sale that sold but was never cut. The stat cut in 2009 (I don't know much else). Two-aged of all WP was left. WP residual BA's are dense in ar is others. Some RP log/poles remain throughout and other deciduous saps seem to be doing fir browsed. OPIC - FMD: This stand was previous not cut. Manage as a mixed stand of predominar and aspen. PRE-SALE: Use GPS to adjust line Mark red pine to half-height spacing, as approp SALE: Regard as a combination WP release regeneration. Else, accept as pocket of U or A. Any combination of white pine, aspen, red pine, of hardwoods. Managing for both white pine and clearcut completed 12/200954-015-0	nd was finally verall because eas and lighter as well. Aspen e. RO saps ly sold, but ntly white pine s as needed. riate. POST- and aspen Alt. Covertype: ak, or northern d aspen
40	42290 - Natural Mixed Pine	Sawtimber Well	9.6	77	111-140	Natural mixed pine stand with RP being the mo specie. Xlog examples of RP, WP, RO observed WP present near eastern boundary (near Std.41 few stump sprouting RM of sap/pole size. Own suggest some kind of pine thinning in ~'79. Bu present. Understory species composition does desirable characteristics. Darrick Coy accidental along this stands eastern boundary while setting the south). He later browned out the first ~100 OPIC - FMD: Year of origin is correct for RP overs of JP, RP, and WP. W3 is 20' tall. Manage for n	. Some legacy). I did view a ership cards med stumps have some ly ran red line up Std.54 (to or so feet. story. Midstory
42	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	27.2	80	171-200	Conifer dominated stand with variable species depending upon location. Hemlock is dominant walkable trail and pockets pop-up in southern 1/ between is a mix of WP, RP, Hemlock and va species (mainly RM). Majority of hemlock is still pole sized and aged younger than I expected (Good hemlock sap production north of E/W trail. S variable from low to medium density depending are. A few scattered pockets and individual exam WP/RP present. Flushed grouse and a barred of beds/browse observed. OPIC - FMD: HEMLOCK REGEN ON W SIDE NUMEROUS 36-40" W PINE.	north of E/W 3 of stand. In- rious decid small log/Irg 74 & 85yrs). Sapling layer is on where you uples of legacy owl, and deer
44	6127 - Lowland Pine	Sawtimber Well	17.9	72	111-140	Primarily a log/pole sized conifer mix. Some areas pole sizes. RP has a strong presence along the stand (mainly north perimeter). Unsure of how so outside of winter. Lowland species (leatherlead spruce, mountain holly) indicate it might be qui obvious it is serving as a wildlife corridor to trave surrounding bog complex. Grouse, hare/rabbit, d unidentifiable tracts observed through OPIC - FMD: Travel corridor across b	perimeter of soft ground is , tamarack, te soft. Very erse the large eer, and other out.
45	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.8	76	111-140	Primarily upland until venturing into eastern area Conifer component increase as you move east component increase as you move south. A smal of log hemlock present that are accompanied regenerating saps within a ~chain of parent treed marks one hemlock clump.	as well. NHD l clump or two d by some

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a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	42110 - Planted Red Pine	Sawtimber Well	9.1	55	201+	Narrow vein of red pine planted in spring of '63. Pine was 3yrs old when planted. Third row thinned in '98. Response to row thir was good yet the growth rate of these pine on hardwood soil has been very impressive. As such, pine quickly filled the gaps from the '98 thin. RP average ~10" DBH plus or minus 2". BA swings and recent growth rates suggest conducting a crown thin. BA's swings averaged above 200, but some areas were in lesser need of marking. Northern hardwood saps dense in areas, and light in others. Scattered NHD log trees present (imagery shows these).
						OPIC - FMD: THIRD ROW THINNING, DONE 1998, SALE 32- 97
47	4199 - Other Mixed Upland Deciduous	Sapling Well	5.3	7	1-50	Appears to be another location affected by wind throw. Possibly from the '07-08 tornado that passed through this compartment. Tip-up stumps still present. Looks like firewooders salvaged the site. A light overstory of log/pole and pole/log species still present. Red oak saps are heavily browsed. A possible indicato as to what an adjacent final harvest in Std.65 might look like.
48	42210 - Natural Red Pine	Sawtimber Well	8.6	72	141-170	A narrow band of natural red pine sandwiched between the bog and Stds.49/60. Pine and oak are quite large and tall. Two RP ages taken, 72 & 124yrs old. Must have easy access to the water table. Only ~2+ chains wide for the most part. Western boundary is a little difficult to clearly define. Portions of the bog are being reclaimed by conifer which butts up to the western boundary of this stand. Ownership cards suggest RP here was thinned in '64.
49	4199 - Other Mixed Upland Deciduous	Sawtimber Well	15.2	86	111-140	A bit different size and species composition when compared to Std.54. More aspen and RO present and NHD species are an inch (DBH) or two larger on average. Still many poles throughout. It seems that this stand is a bit more on the log size (with help from larger RO/BTA) than Std.54. Possibly because it's closer to adjacent bog water table?
50	4199 - Other Mixed Upland Deciduous	Poletimber Well	11.5	99	81-110	Primarily pole size with scattered logs of many of the canopy species listed above. Sugar maple is quite old given its ~6-8" DBH average. I witnessed this in ATL C172 north of here last year. Observed a fair amount of sap RO in the understory. Unsure if they'll recruit, but younger RO poles were present as well.
51	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	26.5	55	81-110	BTA tips the scale as being the more dominant overstory specie. This stand is a hogde podge mix of aspen, NHD, and pine. According to ownership cards, 12ac of this quarter-quarter was planted to 600 TPA of white pine in '61. Aspen is log/pole or pole/log depending upon location and competition it faced for growing space. I leaned toward this stand being more pole size and on the lower end of 75-100% canopy closure. Scattered xlog BTA, WP, and RP observed. Sapling layer is quite dense ir most areas with a strong presence of SM, RM, RO, and BF/Beech in area. Eastern areas pick up log JP/mixed species formally part of Std.453. It also picks up a ~1ac clump of log RF

S t	Atlant	a Mgt. Unit		Report 8	– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	6120 - Lowland Cedar	Sawtimber Well	30.9	105	171-200	This stand was split out of Std.64. Difficult to delineate with a high degree of accuracy. The portion that makes up this stand (52) is more or less solid cedar. Pockets of cedar extend outside of this stands boundaries. Some areas have almost no understory, while others have a dense BF, Ash sapling understory. Some wind throw in areas but not the extent as found in Std.53. Deciduous/other conifer mixing in areas that aren't completely dominated by cedar. Of a slightly larger size than the cedar found in Std.63.
53	6120 - Lowland Cedar	Sawtimber Medium	14.8	120	111-140	Pronounced cedar blow down stand. Clumps of cedar remain while blow down gaps are being aggressively reclaimed by deciduous species (RM, Ash). A very "big tree/old growthy" in appearance stand. Most overstory species are large log or xlog (and legacy) in size. Canopy closer is on the low end of 50-75% in areas, and closer to 75+% in others.
54	4119 - Mixed Northern Hardwoods	Poletimber Well	37.7	92	81-110	Pole/Log in areas and Log/Pole in others. The majority appears to be larger pole transitioning to small log. RO, BW, Beech, Hemlock, and some RM make up obvious log sizes. Sugar maple is still pole/sap for most part. RO and some BW are of better quality and could yield some sawlogs. The remaining species are mediocre quality at best once entered into sawlog sizes. Some poles look promising but time doesn't/didn't seem to improve older siblings form/quality. Scattered xlog/log hemlock present. Decent SM advanced regen as well. More RM in SE tail. SM more prevalent as you move into central/western portion of stand. More RO in central/western areas as well.
55	4199 - Other Mixed Upland Deciduous	Poletimber Well	11.4	81	81-110	A pole sized stand for the most part with areas (like the southern tail) that feature more log sizes. Small pole/large sap sized RO of good form was quite prevalent throughout. Scattered log/xlog examples as well. Aspen presence is spotty. Beech (with scale) does have a presence. Fir saps thick in areas and light in others. A couple of low/tag alder populated pockets present. RM age may misrepresent stand age a bit. It seems a little younger and NHD species do seem to take much longer to recruit on these soils than the other species present.
56	42350 - Upland Hemlock	Sawtimber Well	6.6	102	141-170	Hemlock dominated stand with a variety of other conifer/deciduous species mixed in. Appears mainly upland with a few "soft" locations. Wildlife was using heavily for thermal cover and feeding below mast producing large red oak.
						OPIC - FMD: SOME HEMLOCK SEEDLINGS PRESENT ON EDGE OF STAND
57	4133 - Aspen, Mixed Pine	Poletimber Well	30.6	45	51-80	Heavily mixed stand of nearly all the species listed in canopy. Dominance of species depends upon location. Pole is the most common size with lots of saps still present. Log sizes exist, especially pine and red oak. These appear to of been leave trees when last treated. Western boundary is low/soft as it borders the bog. Ownership cards suggest that treatments took place in the general area in "70 & '74.
58	4119 - Mixed Northern Hardwoods	Sapling Well	17.0	40	1-50	Basically the reverse of Std.75. Mainly/mostly dominated by sap/some pole sugar/red maple with distinct aspen pole/log pockets within. OPIC stated cut in '76 as did ownership cards. Northern hardwood species are primarily from stump-sprout origin. This stand is nearing uniform pole size (NHD species anyway, remaining species are pole or larger).

S t	Atlanta	a Mgt. Unit		Report 8	– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	42210 - Natural Red Pine	Sawtimber Well	9.8	105	81-110	A unique natural "bigger tree" RP and WP dominated stand. Large RO present as well. BA's and density isn't that high but pine and RO diameters are large and easier to pick up from quite a distance. Small diameter RM, PB, Cedar, and BF present. Somewhat two-aged in appearance but primarily even- aged. Wildlife using heavily for thermal cover as well as feeding below the larger mast producing red oak.
60	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.3	81	111-140	A general mixing of RM, SM, and QA along with lowland conifer species (BF, NWC, hemlock). A few dead ash and elm present. Appears mostly upland until reaching northern portions of stand. A small cedar w/hemlock clump present in north/northeast (OFS point marks location). Balsam understory relents as you move south. The few WP are super-canopy/legacy size. A few red oak and red pine located along northern portion of west line near Std.48.
63	6120 - Lowland Cedar	Poletimber Well	26.2	110	111-140	Overstory NWC of pole/log and log/pole is the most dominant specie. A pronounced sap/pole understory of ash (dead/dying, EAB), BF, and a host of other species at lower density. Cedar can very from clumpy, scattered, and dominant/homogenous depending upon location. Western boundary near C8 blow down Std.53 picks up some larger log sized cedar. No cedar regen observed. On verge of being primarily a log size stand.
64	6130 - Fir, Aspen, Maple	Sawtimber Well	97.6	81	81-110	Lowland (w/some upland) stand that features complete variability in size classes, ages, and species dominance. Log sizes seem to be the more common class. Western boundary has quite a bit of log/xlog conifer and deciduous as do NW portions of stand. Clumps of cedar (some a few acres in size) are scattered throughout. Pockets of low/tag alder dominated areas where observed. Merchantability of species can vary depending upon location.
						OPIC - FMD: OI Stand Year Origin was 1923
65	4199 - Other Mixed Upland Deciduous	Sawtimber Well	53.6	92	111-140	A combination of klacking and graycalm sandy soil within this stand. Red oak and BTA are prevalent within (compared to Std.26). Sugar maple and beech quality isn't quite what it is in Std.26. This reason (lower quality) and differing species composition is why I split this out of what originally part of Std.26. Still a heavy beech understory with quite a bit of ironwood, depending upon where you are. More SM and RP saps than Std.26, but still not a significant amount present. Some scattered WP/RP and a few hemlock as you near Std.42.
66	6127 - Lowland Pine	Sawtimber Well	8.4	70	81-110	A mixed conifer "somewhat of an island" stand. Being used heavily as a corridor (the day I was visiting). Connects somewhat to Std.57. Was difficult to tell if that "bridge" location is/was wet, soft, or passable (quite a bit of snow present at the time). Bog and lowland shrub more or less surrounds this stand. Soils would at least be sensitive to harvesting equipment.
67	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	4.7	73	141-170	Small hemlock pocket nestled within Std.25. Mainly pole/sap size with log thrown in. Pit and mound with sapling sized hemlock (<3ft and <1"dbh) seeding in atop mounds. Good hem sap production present that's made it above browse line. Perimeter (where canopy is less dense) offers a lot of these saps. QA is mostly standing dead and being utilized as snag material. Scattered WP, RP, RO, and NWC present in overstory.

S t	Atlant	a Mgt. Unit		Report 8	– Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	4119 - Mixed Northern Hardwoods	Poletimber Well	17.5	88	111-140	Graycalm sand dominates within stand. I had a difficult time deciding to call this stand pole size instead of log. Pole size sugar maple abounds throughout as well as pole beech/red maple to a lesser extent. Small log SM/RM/BE present. Larger log sized species present include RO, BTA, and some beech. A lot of sugar maple is currently large sap converting to small pole. Quality of most species is somewhat better than Std.65. Fewer BTA than Std.65 as well. Like Std.65 this stand was split out of what was originally part of Std.26. Beech saps dominate below the SM sap/pole, pole/sap layer. Few SM saps 1" DBH or less.
69	6130 - Fir, Aspen, Maple	Sapling Well	82.7	37	1-50	Lowland conifer, QA, and RM mix. Previous OPIC note states year of origin is '78. Balsam fir ages matched up quite nicely with the O.I. statement. Ownership cards also state a '78 clearcut harvest. Fir is primarily still larger sap size as is RM. QA is a bit larger yet still mainly saps with poles emerging. Scattered QA poles throughout, especially in areas with less canopy closure. Old skid trails still present and quite obvious on imagery. A good "poke your eye out" stand. More openings/wetter areas as you move into southern portion of stand. NW 1/4 (especially) and northern 1/2 of stand has more pole sized aspen than remainder of stand.
70	4319 - Mixed Upland Forest	Sapling Well	17.6	44	51-80	Sap/pole size fir, pine, deciduous mix with sapling appearing to be more common/dominant. Ownership cards state a treatment took place within the general area in '72. This stand may of also been treated with Stds.58,69,75 in the past? Areas with more NHD saps than fir/conifer are present. Some deciduous and conifer log sizes observed and portions of the stand are transitioning to pole size.
72	4199 - Other Mixed Upland Deciduous	Sapling Well	14.4	52	1-50	Very similar to M3 Std.58 but with clumps of xlog/log hemlock that were left following clearcut harvest in the past. A lot of ironwood saps present. Seemingly more IW saps than SM saps Hemlock is at least 110+ years old. A minimum of ~10BA of hemlock present and very large so you can pick them up from a distance when conducting a swing. Observed beds under each hemlock clump I walked past/through. Observed one very prominent BTA pole/log clone pocket located along center-south boundary line.
73	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	7.4	80	111-140	A mix of pine, aspen, and some red oak. West portion may have some '29 planted WP, based upon ownership cards. Dense RM sap understory. Not sure if it's the result of the '87 shelterwood + removal harvest that occurred in Std.17. Aspen is getting old and turning into good cavity trees/soft snag material. Pine form is good for the most part (some wolfy WP's present). Undulation and a couple of rolling ridge lines along the east end of the stand (near low Std.22).
						OPIC - FMD: Burned WP stumps. PArVHa. W2M1.
75	4130 - Aspen	Poletimber Well	11.9	40	111-140	Mostly aspen dominated but NHD species (SM, RM) are everywhere. Aspen is mainly pole/log and NHD is mainly sap/pole. OPIC comment stated year of origin as '76. Ownership cards suggest a harvest in '76 as well. Betting this stand and Std.58 were treated at the same time. Slivers in the east and southeast of this stand appear low. ~1-2 acres south of Std.76 are of log/pole size and escaped harvest when Std.76 was cut in ~'01. White trunk rot forming on aspen.

S t	Atlanta	n Mgt. Unit		Report 8	- Forested	Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	6112 - Lowland Aspen	Sapling Well	19.8	14	Immature	Might be upland w/low. Difficult to determine with ~2ft of snow cover. Aspen is regenerating well.
						OPIC - FMD: cut 2001
77	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	28.3	95	81-110	Conifer pockets of log/pole size (primarily cedar mixed w/deciduous) dotted throughout. In between are pole/sap and sap/pole areas of mainly regenerating deciduous atop and with blow downs/tip-ups. Yellow birch advanced regen of sap/pole size is quite impressive in the northern ~1/2 to 1/3 of stand. Three OFS points created that designate regen pockets I observed, there might be more. YB is primarily found atop tip-ups in wetter/mucky area (I'm guessing as 2ft of snow present). Other YB regen throughout but best in the north (sorry for the excitement, don't often see this). The stand as a whole looks very difficult to work in and only scattered pockets with volume. See OPIC comment below. OPIC - FMD: A mix of wetter, sparser P-type plus clumps of cedar and younger P-type. This is the part of stand 76 that did not get cut.
78	6120 - Lowland Cedar	Sawtimber Well	13.8	107	171-200	Cedar stand with minor components of other conifer and deciduous. Some larger log (not yet xlog) NWC observed. Blow down common with BF, RM saps filling those gaps. Scattered legacy and xlog WP observed. Deer browse heavy in areas. Private along north line was strip cut (~20+ years ago). Cedar stumps everywhere but no NWC regen observed. A mix of BF, RM, BAM, and other species regenerating in cut strips. Blue paint, brush line, and flagging still present along PVT/State interface. Found what I believe was a witness tree with carved letters on it (now a stump). Took an OFS point of this stump.
79	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	31.9	72	81-110	Areas that are log/pole and other areas pole/log. More or less in transition from pole to log. Hard to tell how wet it is outside of winter. The stand does seem to move from more upland in western locations to some lower ground as you move East/NE. Lowland type species correspond with this movement as well. Thick BF pole/sap throughout. RM seemed most dominant with pockets heavier to BTA/QA. A few scattered xlog red oak observed and some RO advanced regen. Trail in west is walkable only (blowdown across). Trail veering into east area of stand might be drivable. Tip-ups and blowdowns common. Small cedar pocket in NE corner.
						OPIC - FMD: P-type component being replaced by low hardwoods and conifer.
144	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	9.3	82	111-140	JP, RP, and BTA each kind of have their own areas of dominance depending upon where you go. JP likes the northern 1/2, RP like the south, and BTA exists in pockets and as scattered examples throughout. West line borders low/bog portions of Stds.61/43. JP is dying out in most areas. Decent pine/oak advanced regen in understory.

S t	Atlanta Mgt. Unit			Report 8	- Forested	d Stands Compartment: 155 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
337	42110 - Planted Red Pine	Sawtimber Medium	8.8	88	51-80	RP present was planted in 1929 (RP was 2yrs old). Part of '08- 10 RP shelterwood/seed tree + JP/WP/deciduous removal named "155 Red Pine". Possibly part of twister salvage during the same timeframe. Was supposed to be burned following treatment(s). A burn never happened. Red pine seems to been the management objective. If so, this stand failed the regen check. Although composed of the same RP as Std.34 (and other adjacent stands) the understory deciduous flush, post '08-10 harvest, isn't nearly as dense as it is in Std.34. There are still areas heavy with deciduous regen but I'd still call the overstory RP the dominant specie. The western ~2-3 acres weren't thinned as much as remainder of the stand and return higher RP BA swing values. Yellow marked (RP leave trees) and unmarked RP still found in this area, unlike remainder of stand.

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Stand	Cover Type	Acres	Managed Site	General Comments:
18	623 - Emergent Wetland	0.3	No	Aspen and hardwood along perimeter.
22	623 - Emergent Wetland	16.3	No	Appears that some water may flow through eastern "vein" and standing water may seasonally populate the western "fingers". QA, RM, BF, Hemlock, WP, and Blk Spruce populate edges and some interior locations.
29	622 - Lowland Shrub	0.7	No	
35	622 - Lowland Shrub	1.5	No	Only briefly saw the edge of this lowland shrub stand while inventorying Std.69.
41	622 - Lowland Shrub	23.4	No	Lowland shrub corridor with some conifer and deciduous species present. Sap (and few pole and log) sizes of WP, Blk Spruce, PB, Tamarack, BF, and RM present on edges and some interior locations.
43	6224 - Treed Bog	58.3	No	Very similar to tree bog Std.61 to the north. More JP present than Std.61. Less tamarack as well.
61	6224 - Treed Bog	53.3	No	Bog complex being reclaimed by conifer species of sap/pole and pole/sap size. Some scattered log sizes of nearly all the species listed above are present. Southern 1/2 is quite heavily reclaimed. Northern 1/2 is more open. If time had permitted, some areas could been delineated and would roughly typed out to MC3 and MC6 stands. Interestingly enough, a burn to increase blueberry production took place somewhere in the northern 1/2 during '68.
62	500 - Water	0.6	No	Ice present during inventory on 3/9/15. Open water when viewed on 4/24/15. Unsure if water remains year round.
80	122 - Road/Parking Lot	8.9	No	Town Hall Rd and/or County Rd. 489.
81	122 - Road/Parking Lot	3.9	No	Town Hall Rd. and/or County Rd. 489.
428	330 - Low-Density Trees	9.5	No	A mix of grass/sedge dominated areas with tree specie reclamation areas. All size classes (sap/pole/log) of the following tree species can be found within: JP, WP, RP, RM, BW, SM, BTA/QA, Cherry, RO, Apple. GPS what I think is the foundation OPIC commented about? Rx'ed burn mentioned for this opening but fairly certain that never took place. OPIC - FMD: Old foundation near center of field. Use a fifty foot bufferprotected by foam linearound any evidence of old farmstead. Foam line may be tied to existing two-track.
453	330 - Low-Density Trees	3.4	No	Do not believe any opening maintenance has occurred here in quite some time, if ever. OPIC - FMD: reclaim and maintain orginal opening by burning.
473	310 - Herbaceous Openland	0.9	No	Believe this was used a landing site when stands 58, 69, and 75 were treated in the mid to late 70's. Lots of grass and a few scattered seedlings.