

# **Compartment Review Presentation**

Atlanta Forest Management Unit Compartment 54059 Entry Year 2017 Acreage: 2,083 County Montmorency Management Area: Rattlesnake Hills

**Revision Date: 2015-06-18** 

Stand Examiner: Dale Parris

#### Legal Description:

T32N R01E Sections 21, 28, 29, 32, and 33.

#### **Identified Planning Goals:**

Multi-Resource management within Compartment 59 is guided by the Rattlesnake Hills Management Area (RHMA) Plan. All timber harvests have been prescribed following the direction indicated by the RHMA Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The timber analysis completed on the RHMA indicated that the harvesting of aspen, and red pine be of focus for the purpose of balancing the age classes of these cover types across the Management Area (MA). The analysis also showed that thinning and single tree selection cuts in hardwoods is needed. Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

#### Soil and topography:

The majority of the topography of compartment 59 is flat with occasional rolling hills of up to 18 percent slope. The steepest slopes are found in the southwest portion of the stand where slopes reach north of 40 percent in a few areas. The soil in the northern three-quarters of the Compartment 59 is over 90 percent Grayling sand (excessively drained) with small and isolated areas of Tawas-Lupton mucks (very poorly drained), Deford muck (very poorly drained), and Croswell sand (moderately well drained). The southern quarter of Compartment 59 is approximately 50 percent Graycalm sand (somewhat excessively drained) with lesser components of Lindquist sand (somewhat excessively drained), Millersburg loamy sand (well drained), Chinwhisker sand (moderately well drained), Klacking sand (well drained), Kellogg sand (moderately well drained), and Millersburg-Klacking-Graycalm complex (well drained).

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

The land bordering the eastern and southern edges of Compartment 59 is mostly state owned with the exception of a half mile section at the east end of the south edge. The western and northern edges of the compartment are privately owned. There is a forty acre private ownership island within the southwest corner of the compartment. Aerial imagery only shows one building located near the boundary of Compartment 59. This structure is off of the northern edge of the compartment and on the west edge of Black River Road. Within Compartment 59 there is one building that is an oil facility structure.

#### **Unique Natural Features:**

Foch Lake lies within the Compartment Boundaries to the east. A stream surrounded by lowland conifer flows from Town Line Lakes to the south eight-tenths of a mile into the south end of Foch Lake to the north. The northern portion of the stand saw a large amount of jack and red pine planting in the 1950's and early 1960's. In the area surrounding Foch Lake, red pine can be found that are in the vicinity of 150 years old.

#### Archeological, Historical, and Cultural Features:

The HAL (Department of History, Arts, and Libraries) and MNFI (Michigan Natural Features Inventory) Concerns Database did not have any concerns listed for the area that Compartment 59 is in.

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website describes Section 21 of T32N R01E as having pine barrens and the documented presence of dusted skipper (Atrytonopsis hianna), a special concern species.

There were no Special Conservation Areas within Compartment 59.

#### **Special Management Designations or Considerations:**

The forest area immediately surrounding Foch Lake should be harvested only where forest health and the safety of those recreating in the area is of concern. Past harvests in the southern portion of the compartment have converted many acres to aspen and lessened stand diversity. As a result, future management in the southern quarter of Compartment 59 should avoid further aspen dominance were undesirable.

### Watershed and Fisheries Considerations:

#### Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species which are found in this compartment. These species include elk, black bear, eastern Massasauga rattlesnake, ruffed grouse, wild turkey, 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; extensive mature forest; large open grassland complexes; 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

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products. The nearest gravel pit is located one mile to the west and potential is good. Antrim gas wells have been drilled in every section except for Section 28, and all State mineral rights in the compartment are currently under lease. A producing Niagaran reef well is located in Section 29 and there is additional reef potential in the compartment.

#### Vehicle Access:

Forest roads provide good vehicle access to all areas of Compartment 59. Compartment 59 can be accessed from the outside using Black River Road from the north and southwest. It can also be accessed from the south via Camp 30 Road.

#### **Survey Needs:**

No surveys are needed at this time.

#### **Recreational Facilities and Opportunities:**

Dispersed camping opportunities are available along the north and east sides of Foch Lake. A Camp Registration Card needs to be filled out and posted at the camp site. Elk, whitetail deer, turkey, grouse and other species are available to hunt in season with a valid license. Wildlife viewing and mushrooming opportunities are also available. In addition, fishing opportunities are available in Foch Lake.

#### **Fire Protection:**

This compartment is located in the protection area of the Atlanta DNR and the Hillman Fire Department. The Hillman Fire department would most likely be last on scene of any fire in the area due to their distance from the area. The Atlanta DNR has mutual aid agreements with the Vienna Township and Hillman Fire Departments and also supplies them with a GSA 6x6 fire unit. The Atlanta DNR and Vienna Township Fire Department would most likely be the initial attack forces. Historically, the fires in this large jack pine area have been from fishermen on the Black River and/or lightning. This usually occurs during the spring fire season as it relates to the spring trout fishing opener. The Gaylord field office also places equipment on standby in Johannesburg during times of high fire danger.

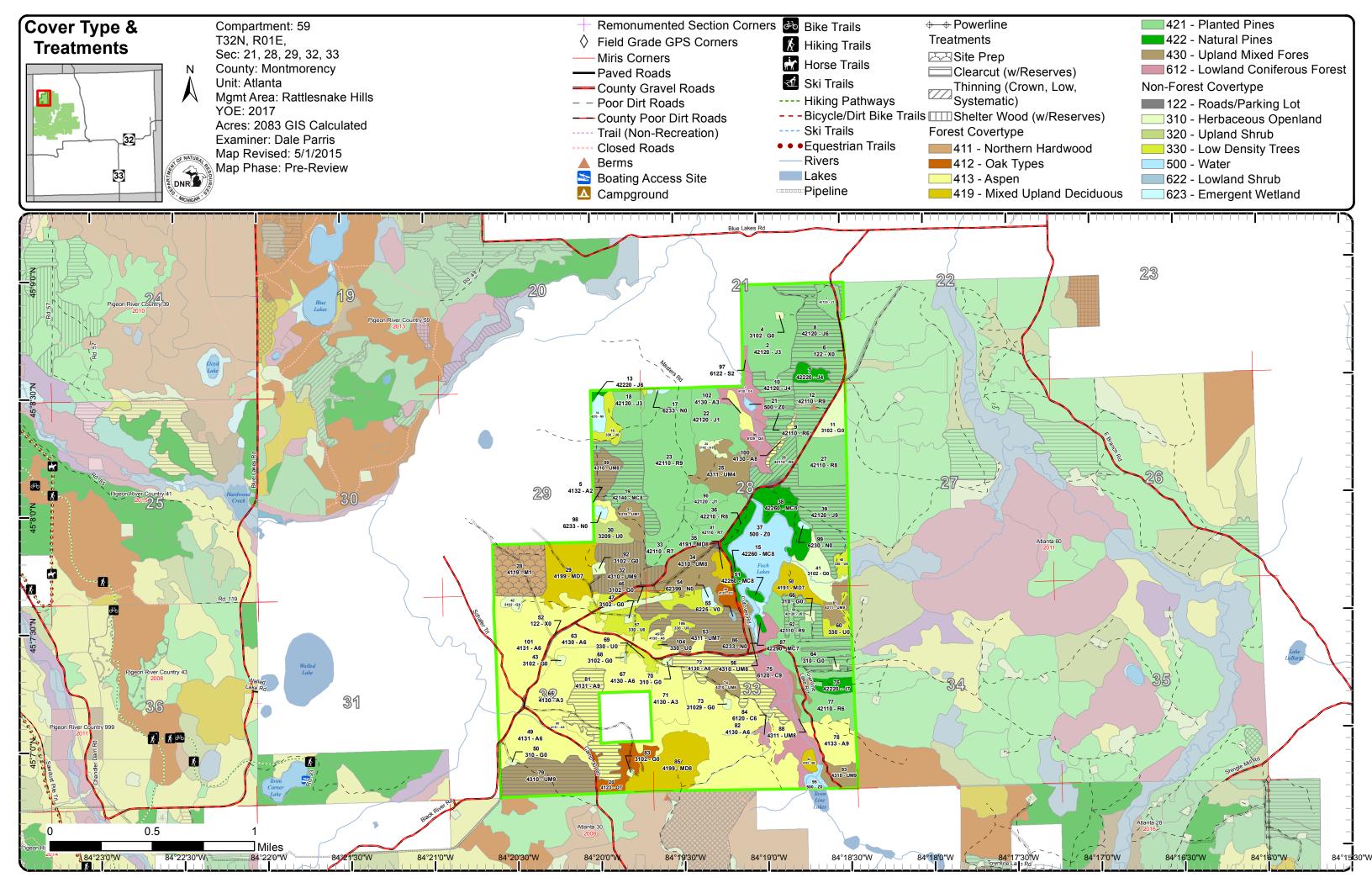
#### **Additional Compartment Information:**

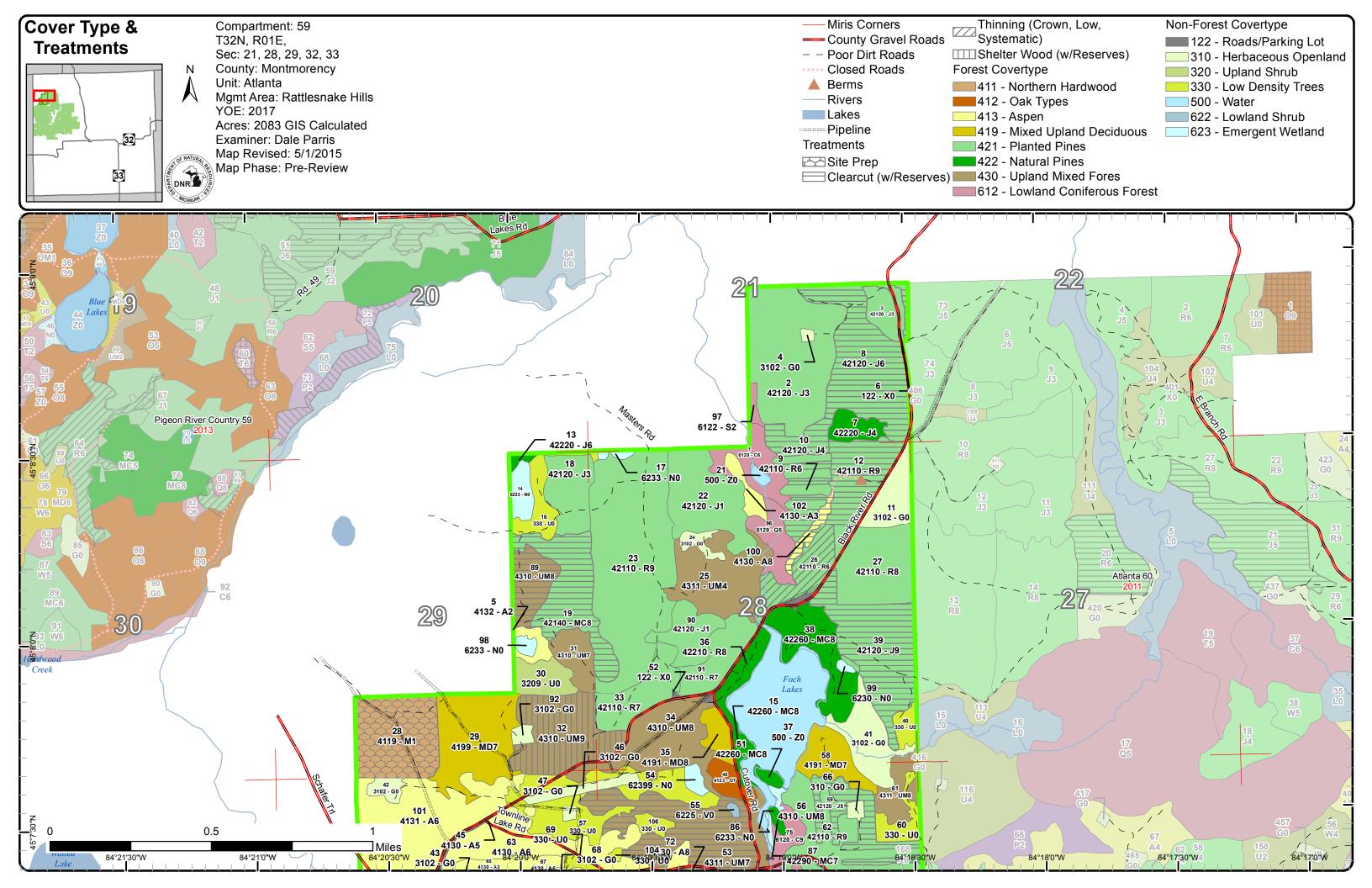
The northern one-third and a large part of the southeastern portion of Compartment 59 is mainly planted red pine and jack pine. Some of this was planted with alternating sections of red pine and jack pine. The oldest of this red pine and jack pine was planted in the 1950's and early 1960's. The jack pine planted during this time period is in poor shape with many standing snags and much windthrow. Subsequent Jack pine and red pine plantings are taking place as these aging planted pine stands are harvested. Naturally grown red pine and jack pine are also present. Jack pine that have been naturally regenerated seem to remain in a healthier state as they reach 45 plus years of age. Red pine in the range of 150 years old can be found in the vicinity of Foch Lake. White oak and red oak are present in stands throughout the compartment. The oldest red and white oak are just under 100 years old.

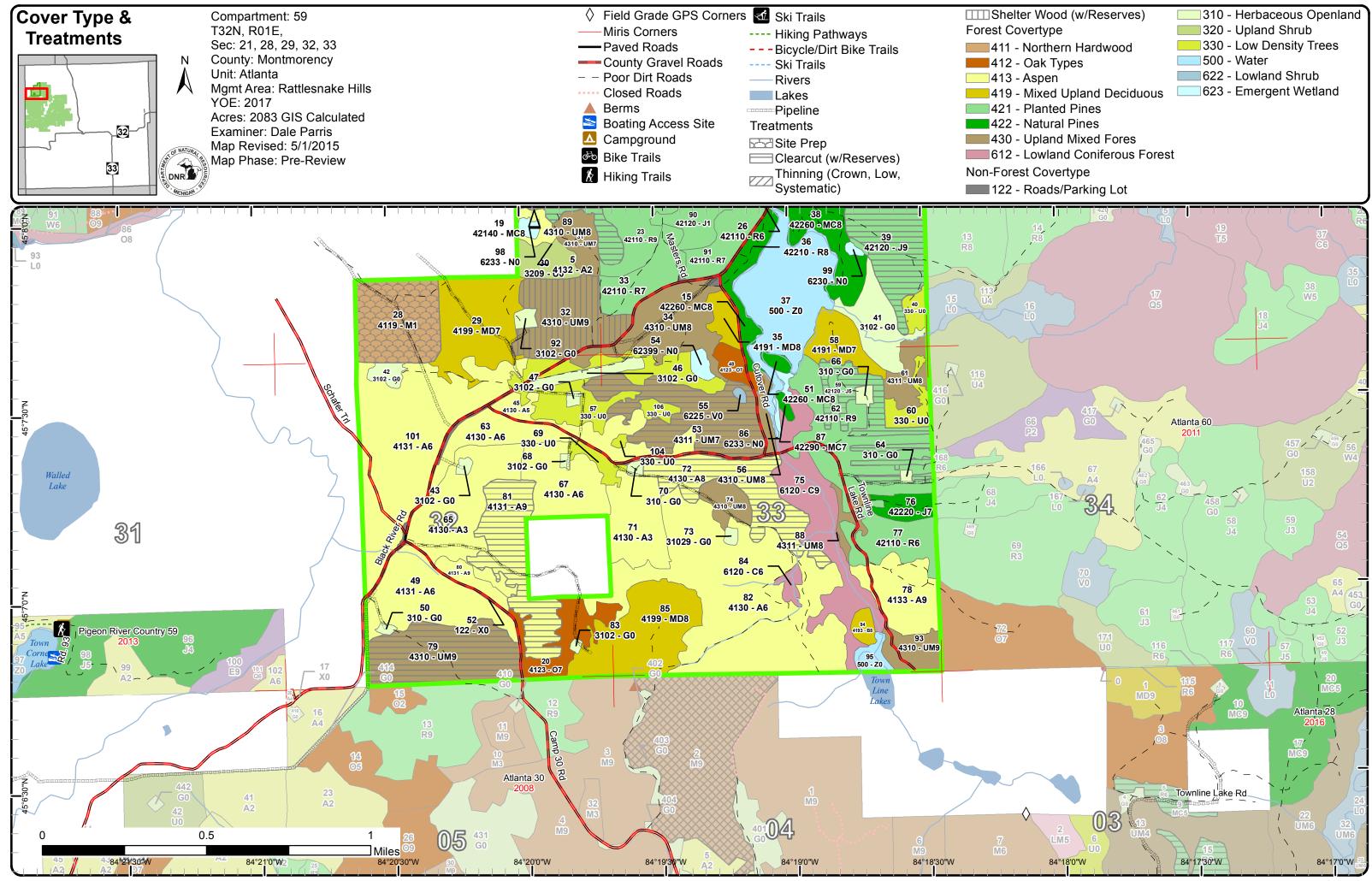
A perennial stream that is 4 to 5 ft. wide on average flows from Town Line Lakes to the south to Foch Lake to the north. This steam is surrounded by approximately 50 acres of lowland conifer, mostly northern white cedar and some black spruce. This lowland conifer acts as the only suitable whitetail deer yarding cover in the compartment. A 1-1/2 acre lake sits north of Foch Lake by a half mile and is seasonably connected to Foch Lake by an intermittent stream. The southwestern and south-central region of Compartment 59 is dominated by aspen that took over after various harvests. An old air strip is present in the center of the compartment.

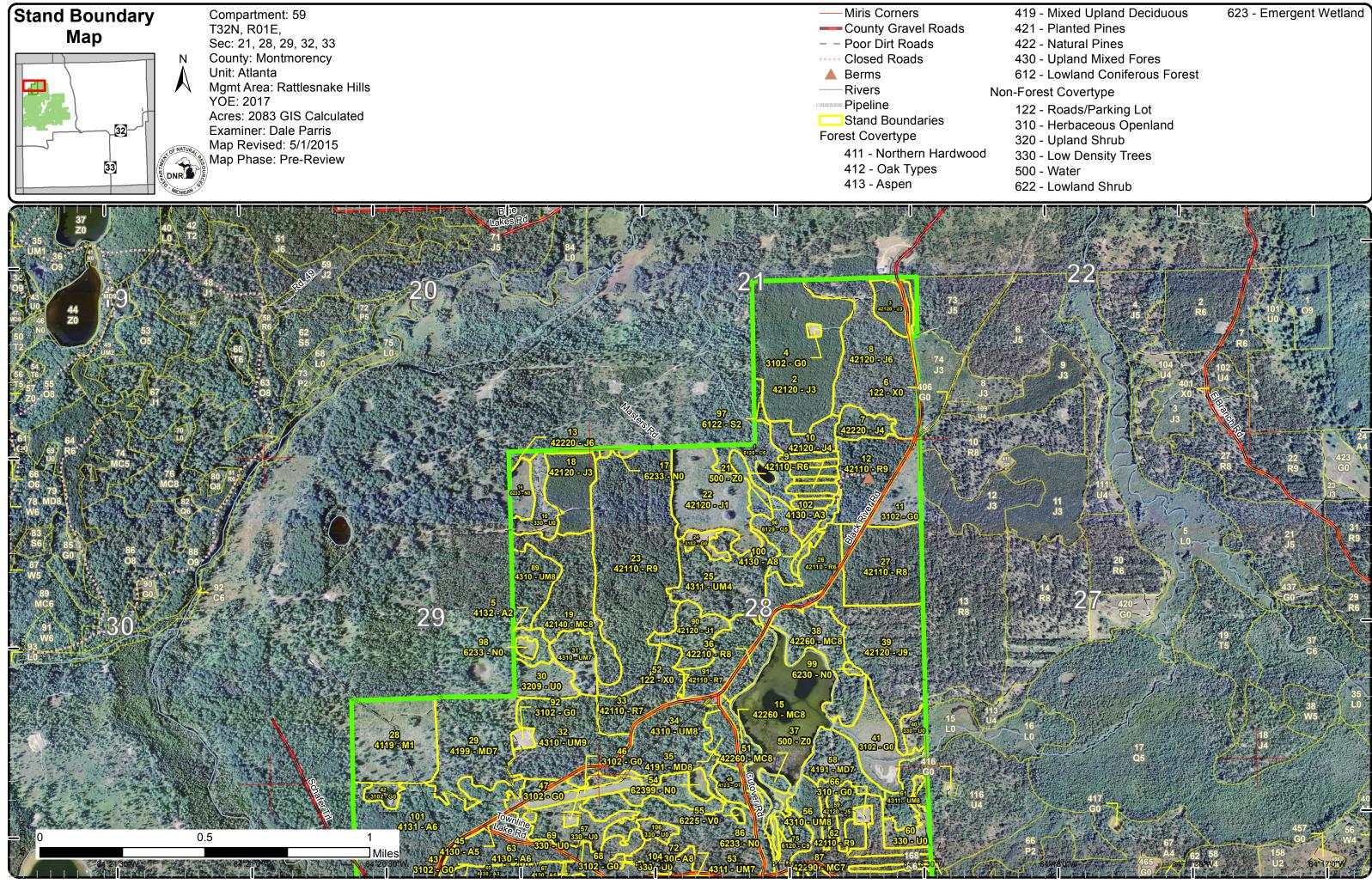
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas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

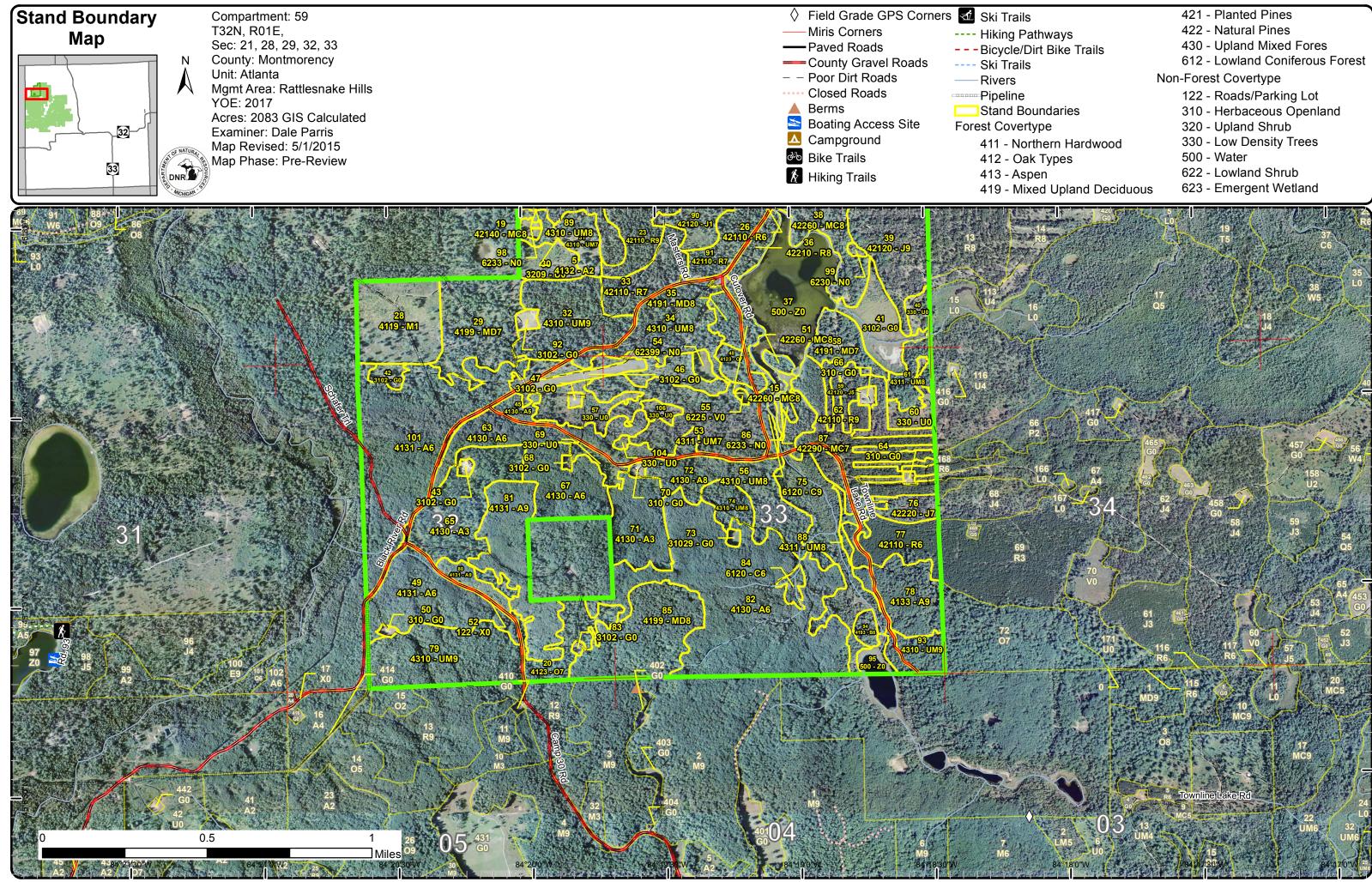
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system

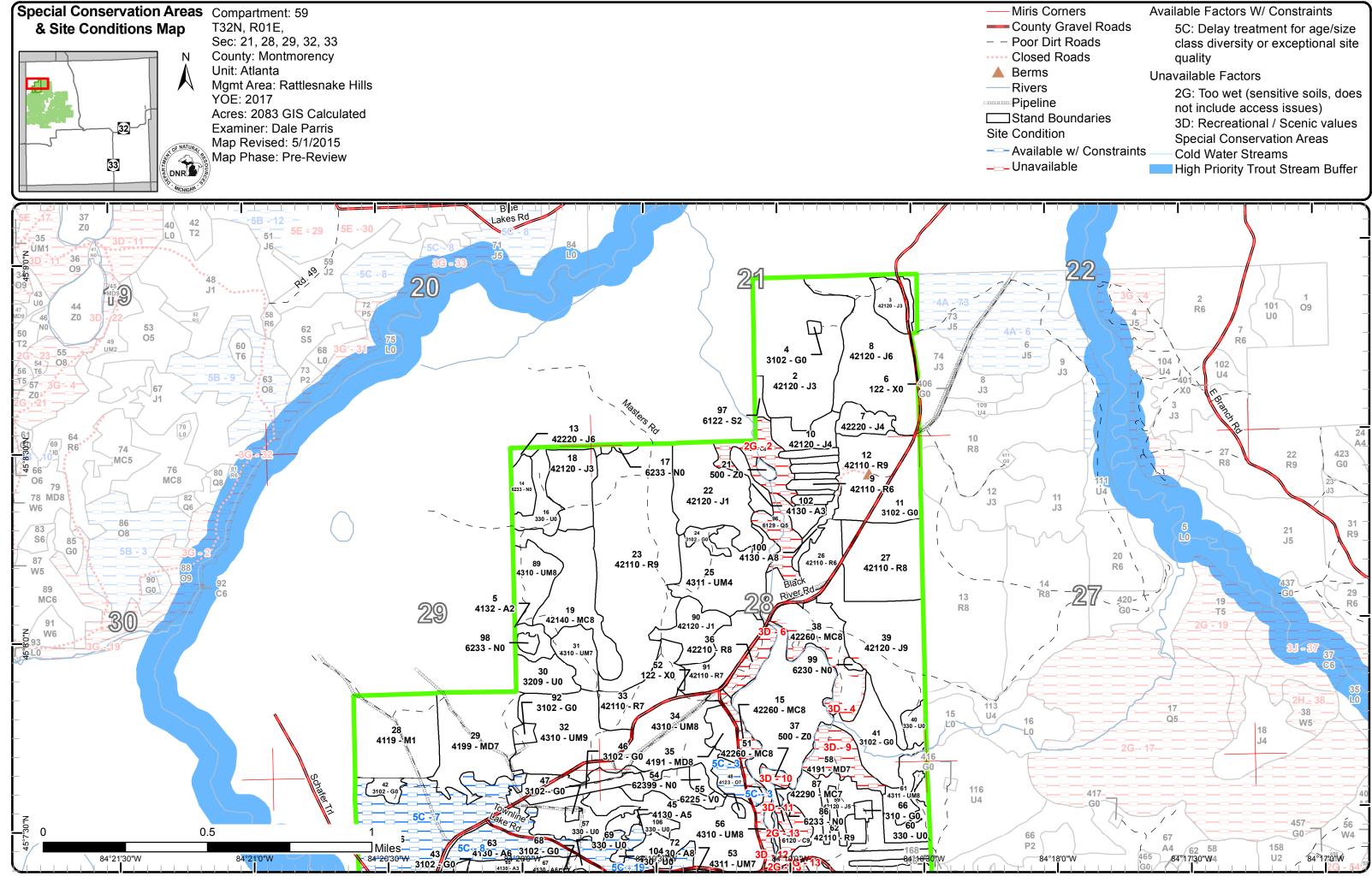




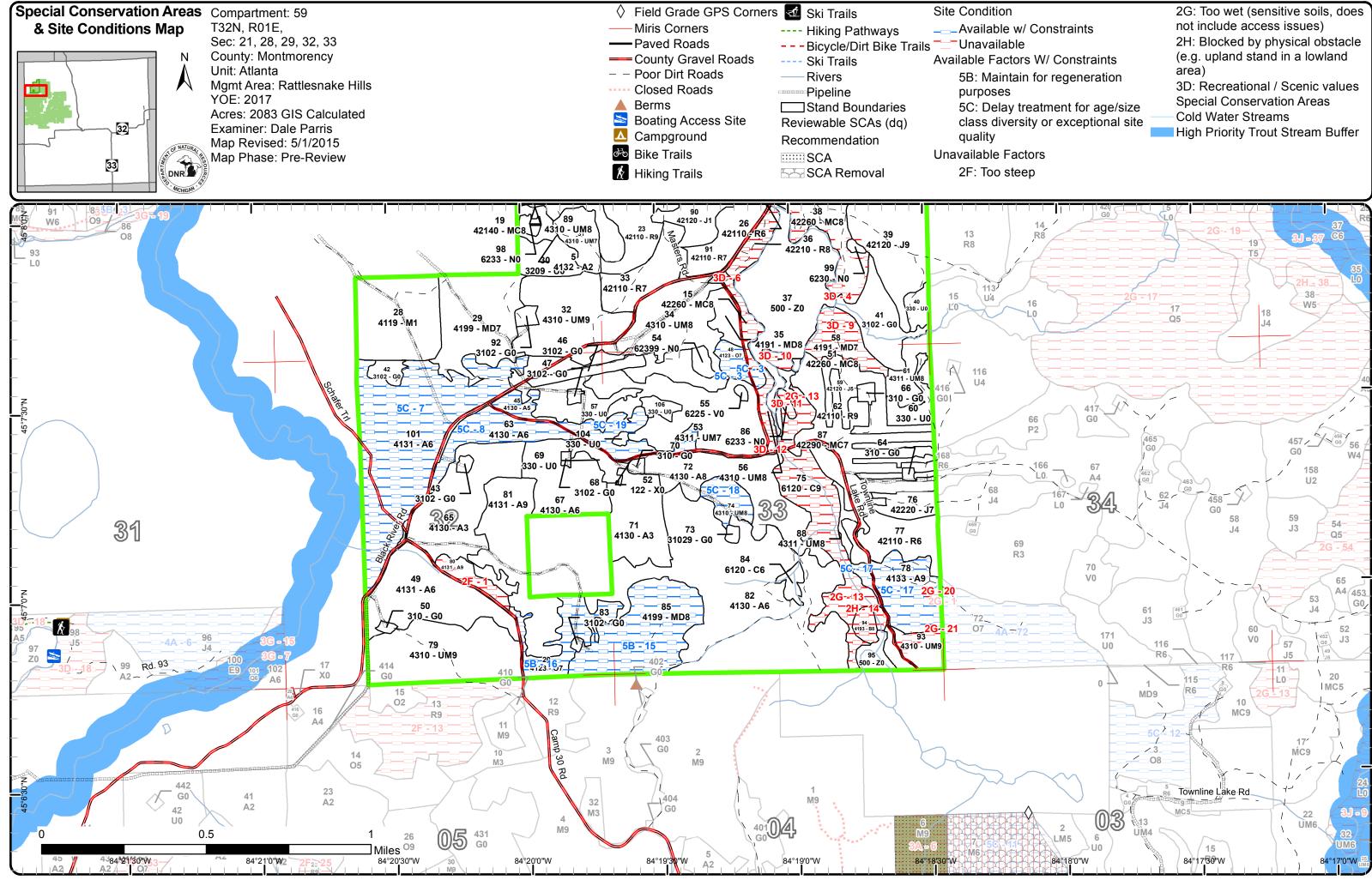








County Gravel Roads5C: Delay treatment for age/size class diversity or exceptional site qualityClosed Roads5C: Delay treatment for age/size class diversity or exceptional site qualityBermsUnavailable FactorsRivers2G: Too wet (sensitive soils, does not include access issues)Pipeline3D: Recreational / Scenic values Special Conservation AreasConditionSpecial Conservation Areas Cold Water StreamsAvailableHigh Priority Trout Stream Buffer	Viris Corners	Available Factors W/ Constraints
Rivers2G: Too wet (sensitive soils, does not include access issues)Pipeline3D: Recreational / Scenic values Special Conservation AreasConditionSpecial Conservation AreasAvailable w/ ConstraintsCold Water Streams	Poor Dirt Roads	class diversity or exceptional site
Pipeline2G: 100 wet (sensitive soils, doesStand Boundariesnot include access issues)Condition3D: Recreational / Scenic valuesAvailable w/ ConstraintsCold Water Streams		Unavailable Factors
	Pipeline Stand Boundaries Condition Available w/ Constraints	not include access issues) 3D: Recreational / Scenic values Special Conservation Areas Cold Water Streams



# Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Dale Parris : Examiner



Age Class

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Aspen	0	6	46	34	174	42	165	41	0	7	42	0	0	0	0	0	0	0	557
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	67
Herbaceous Openland	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Jack Pine	0	37	16	105	0	0	11	152	0	0	0	0	0	0	0	0	0	0	321
Low-Density Trees	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
Lowland Conifers	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Lowland Spruce/Fir	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Marsh	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Mixed Upland Deciduous	0	0	0	0	0	0	43	0	8	49	16	0	0	0	0	0	0	0	116
Natural Mixed Pines	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	6	4	38
Northern Hardwood	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Oak	0	0	0	0	0	0	0	0	0	0	7	20	0	0	0	0	0	0	27
Paper Birch	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Planted Mixed Pines	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	38
Red Pine	0	0	0	24	0	0	19	99	164	8	0	0	0	0	0	0	0	0	314
Upland Mixed Forest	0	0	0	0	0	97	50	40	16	0	50	10	0	0	0	0	0	23	286
Upland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Urban	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Water	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Total	262	84	62	165	174	139	316	332	226	77	115	97	4	0	0	0	6	27	2086



Year of Entry: 2017Acres of HarvestTotal Compartment Acres: 2,083Commercial Harvest - 0<br/>Harvests with Site Condition - 0<br/>Next Step Harvest - 0<br/>Habitat Cut - 105Next Step Harvest - 0<br/>Habitat Cut - 105

### Cover Type by Harvest Method

			Clearcht	Delection Delection	Clear Clear	000 150 000 150	iene, nood	Over Contraction	Con Control	ogrado de la composición de la composicinde la composición de la composición de la composición de la c	100 (00)	Pol Pol
Aspen		87	0	0	0	0	0	0	0	0	87	1
Jack Pine		152	0	0	0	0	0	0	0	0	152	
Planted Mixed Pines		31	0	0	0	6	0	0	0	0	38	
Red Pine		27	0	0	0	0	19	0	0	0	45	
Upland Mixed Forest		116	0	0	0	0	0	0	0	0	116	
	Total	414	0	0	0	6	19	0	0	0	439	

#### Proposed and Next Step Treatments by Harvest Method

		/.	IS IS	Co Lo Lo	O NOT	O. O.	Contraction of the second	ashiring and a shiring a s	in on the second	on No	4 / 3	Actes .
Current		439	23	0	0	0	0	0	0	82	544	
Next Step		0	125	102	0	16	125	528	0	0	896	
	Total	439	148	102	0	16	125	528	0	82	1439	

S t		ļ	Atlanta Mgt. Unit		Re	eport 4	Treatme	nts	•	tment: 59 Entry: 2017	DIR DIR COURSE
	atment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
8 54059	9008-Cut	56.0	42120 - Planted Jack Pine	Poletimber Well	63	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal
Habitat C Prescription Specs:	n Clear-c any ret	ention du	Site Condition ire full tree skidding e to the poor health heration fails, burnin	- scarificatior of the jack p	oine and	the beet	le hazard they o	an be. Encourage			
Next Step Treatments	<u>;;</u>										
<u>Acceptable</u> <u>Regen:</u>	_ Accept	able rege	neration is a low to	medium stoo	cked sta	and of jac	k pine with less	er components of c	other deciduous a	nd coniferous s	pecies.
Other Comment: Proposed S	even be stated, planted	etter rege naturally I jack pine	buth proves that nat neration. Past plan grown jack pine with e. Old next step cor /2016	tings have p n considerat	roven tl	hat red pir	ne hold longer i	n these soils, and a	are healthier in the	e long run. Tha	t being
10 54059		20.2	42120 - Planted Jack Pine	Poletimber Poor	63	1-50	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat C Prescription Specs: Next Step Treatments Acceptable Regen: Other Comment: Proposed S	Clear-c cause. Pesticio Accept Re-clea next sta	Require de, Skidd able rege ar the thre ep commo	Site Condition t retention. Do not I full tree skid during er/Mechanical; Site neration is a low to ee strips inside the re ents: /2016	- eave any rei snow off cor Prep, Trenc medium stoo	nditions :hing; cking of	for soil so Planting, aspen ar	carification. Initial Plant; M nd jack pine with	onitoring, Artificial	Regen(1yr); Mor and coniferous co	nitoring, Artificia mponents.	al Regen(3yr)
12 54059	9012-Cut	26.9	42110 - Planted Red Pine	Sawtimber Well	77	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat C Prescription Specs:		ut with 3-	Site Condition 5% retention. Plant	-	nclude 2	2 inch chip	o spec.				
Next Step Treatments		de, Aerial	; SitePrep, Trench	ing; Plantin	ig, Initia	Il Plant; I	Nonitoring, Artif	icial Regen(1yr);	Monitoring, Artific	ial Regen(3yr)	
<u>Acceptable</u> <u>Regen:</u>	_ Accept	able rege	neration is a well sto	ocked red pi	ne stan	d with les	ser amounts of	jack pine and quak	king aspen.		
<u>Other</u> Comment:	Old ne	ext step c	omments:								
Proposed S			/2016								
	9016-NF	12.3	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal
Habitat C Prescription Specs:		n opening	Site Condition	-	fire as f	unding all	ows.				
<u>Next Step</u> Treatments	<u></u>										
<u>Acceptable</u> <u>Regen:</u>	<u>-</u>										
<u>Other</u> Comment:	Old ne	ext step c	omments:								
Proposed S	Start Date	<u>:</u> 10/1	/2016								

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S t		۵	Atlanta Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 59 Entry: 2017	OF NATURAL HISODERS
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
19	54059019-24- New	6.3	42140 - Planted Mixed Pine	Sawtimber Medium	· 70	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	Proposal
			Site Condition shelterwood. Leave red pine to meet th	e all oak and		h red pine	e to get 40-50 re	sidual BA. Retain	some health jack	pine where the	ere is not
	<u>Step</u> tments:										
<u>Acce</u> Rege	•	able reger	neration is a low to	medium sto	cking of	foak, red	maple, jack pin	e, red pine.			
<u>Othe</u> Com			nelterwood with a sr ilar overstory regen					ch greater compon next step commen		al BA. Stand 3	32 to the
Prop	osed Start Date	<u>:</u> 10/1	/2016								
19	54059019-Cut	31.3	42140 - Planted Mixed Pine	Sawtimber Medium	· 70	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Proposal
		cut. Leave	Site Condition 3-10% stand represent	_	tention	in multipl	e pockets focus	ed around red oak.	. Plant to red pine	).	
	<u>Step</u> Pestici tments:	de, Skidde	er/Mechanical; Site	ePrep, Treno	ching;	Planting,	Initial Plant; M	lonitoring, Artificial	Regen(1yr); Mor	itoring, Artifici	al Regen(3yr)
<u>Acce</u> <u>Reg</u> e		able regei	neration is a well st	ocked stand	of red	pine with	lesser compone	ents of jack pine, oa	ak, red maple, asp	en, and black	cherry.
<u>Othe</u> <u>Com</u>	er Old ne Iment:	ext step co	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								
24	54059024-NF	3.9	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
		o food and	Site Condition	-	ntain gra	asses usir	ng mechanical r	nethods or fire as f	unding allows.		
	<u>Step</u> tments:										
<u>Acce</u> Rege	eptable_ en:										
<u>Othe</u> Com	e <u>r</u> Old ne iment:	ext step co	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								
26	54059026-Cut	18.6	42110 - Planted Red Pine	Poletimber Well	r 54	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
		rd row thir	Site Condition	<u>:</u>							
	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u> e	eptable_ en:										
<u>Othe</u> Com	e <u>r</u> Old ne iment:	ext step co	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								

S t		A	tlanta Mgt. Unit		Re	eport 4	Treatmer	nts	•	ment: 59 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
	54059028- Prep <u>at Cut:</u> Yes		4119 - Mixed Iorthern Hardwoods <u>Site Condition:</u>			Immatu re	SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Proposal
Prescr Specs	,	herbicide,	roller chop, trench, a	and to plant	red pir	ne. Follov	v up with a relea	se herbicide applic	ation if needed.		
<u>Next S</u> Treatm	<u>Step</u> Pestic <u>nents:</u> Reger		r/Mechanical; Plar	nting, Initial	Plant;	Pesticide	e, Other - Specif	y; Monitoring, Arti	ficial Regen(1yr);	Monitoring, A	rtificial
Accep Regen		table regen	eration is a well sto	ocked stand	of red	pine with s	sparse compone	ents of red maple, o	oak, and white pin	ie.	
<u>Other</u> Comm	<u>ient:</u> decisio	on was mad	nediately to the sou de later to go back a wildlife stand. Old	and only pla	int the r	northern p					
Propos	sed Start Date	<u>e:</u> 10/1 /	2016								
39 5	64059039-Cut	t 50.0	42120 - Planted Jack Pine	Sawtimber Well	· 64	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal
Prescr Specs	as a v 18 inc oak al minera	isual break h plus red p ong the we al seedbed	0% pocket retention for recreationists. I pine in the southeas st edge of the stand for the natural reger to a midlife	Retain the s st corner of d while keep	southern the star bing the jack pin	n finger of nd north o retention ne. Encou	the stand for th f the opening. I under 10%. Re the produc	e same reason. Pl n addition, place re quire full tree skido	lace a retention potention potention pockets a ding scarification of	ocket around the round healthy of the soil to ex	ne pocket of arge crowned pose a
Jext S		ig and main	taining as a wildlife								
Treatm Accep	<u>Step</u> hents: table_ Accep	•	eration is a low to r	nedium sto	cked sta	and of jac	k pine with lesse	er components of o	ther deciduous ar	nd coniferous s	pecies.
<u>Treatm</u> Accep Regen Other	<u>itep</u> nents: table Accep <u>r:</u> Reten	table regention along t	,	sh to the so	uthwes	t and rete	ntion of the sout				
Treatm Accep Regen Other Comm Propos	<u>itep</u> t <u>able</u> Accep <u>L</u> Reten tent: anothe sed Start Date	table reger tion along t er possible <u>e:</u> 10/1 /	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016	sh to the so 0%. Old ne	uthwes ext step	t and rete	ntion of the sout	hern finger of the s	tand should total		s, leaving
Treatm Accep Regen Other Comm Propos 42	table Accep <u>table</u> Accep <u>L</u> Reten eent: anothe sed Start Date 54059042-NF	tion along t tion along t er possible e: 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass	sh to the so 0%. Old ne Nonstocke	uthwes ext step	t and rete	ntion of the sout				
Treatm Accep Regen Other Comm Propos 42 4 Habit Prescr	table Accep <u>table</u> Accep <u>Reten</u> <u>Reten</u> <u>aent:</u> anothe <u>sed Start Date</u> 54059042-NF <u>at Cut:</u> Yes <u>iption</u> Plant t	tion along t tion along t er possible e: 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016	sh to the so 0%. Old ne Nonstocke	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify	atand should total 310 - Herbaceous Openland		s, leaving
Regen Other Comm Propos 42 4 Habit	table Accep table Accep Reten tent: anothe sed Start Date 54059042-NF at Cut: Yes iption Plant f Step	tion along t tion along t er possible e: 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass <u>Site Condition:</u>	sh to the so 0%. Old ne Nonstocke	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify	atand should total 310 - Herbaceous Openland		s, leaving
Treatm Accep Dther Comm Propos 42 ! Habit Prescr Specs Vext S Vext S Creatm Accep	table Accep table Accep Reten tent: anothe sed Start Date 54059042-NF at Cut: Yes iption Plant f tep hents: table table	table regention along t er possible e: 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass <u>Site Condition:</u> cover crops for wild	sh to the so 0%. Old ne Nonstocke	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify	atand should total 310 - Herbaceous Openland		s, leaving
Treatm Accep Regen Dther Comm Propos 42 ! Habit Prescr Specs Next S Treatm Accep Regen Dther	table Accep table Accep Reten tent: anothe sed Start Date State Start Date State Start Plant for table table State Start State Start State State Start State S	tion along t tion along t er possible e: 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass <u>Site Condition:</u> cover crops for wild	sh to the so 0%. Old ne Nonstocke	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify	atand should total 310 - Herbaceous Openland		s, leaving
Treatm Accep Regen Dther Comm Propos Propos 42 4 Habit Prescr Specs Next S Treatm Accep Regen Dther	table Accep table Accep Reten tent: anothe sed Start Date State Start Date State Start Plant for table table State Start State Start State State Start State S	tion along t er possible <u>e:</u> 10/1 / 4.1	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass <u>Site Condition:</u> cover crops for wild	sh to the so 0%. Old ne Nonstocke	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify	atand should total 310 - Herbaceous Openland		s, leaving
Treatm Accep Regen Other Comm Propos 42 4 Habit Prescr Specs Next S Treatm Accep Regen Other Comm Propos 46 4	Step       Accep         table       Accep         i:       Retention         sed Start Date       Start Date         54059042-NF       Accep         at Cut:       Yes         iption       Plant finite         Step       Old r         hent:       Start Date         Step       Old r         sed Start Date       Start Date	tion along t er possible e: 10/1 / 4.1 to food and next step cc e: 10/1 / 7.0	eration is a low to r he edge of the mars 2.5 acres for your 1 /2016 3102 - Grass Site Condition: cover crops for wild omments: /2016 3102 - Grass	sh to the so 0%. Old ne Nonstocke dife or mair	uthwes ext step d	t and rete commen Unspec ified	ntion of the sout ts: NonForestMgt	hern finger of the s Other - Specify nethods or fire as fu	atand should total 310 - Herbaceous Openland		s, leaving
Treatm Accep Regen Other Comm Propos 42 4 Habit Prescr Specs Next S Treatm Accep Regen Other Comm Propos 46 4	Step       Accep         table       Accep         iz       Reten         sed Start Date       Start Date         54059042-NF       Accep         at Cut:       Yes         iption       Plant 1         Step       Old r         sed Start Date       Old r         sed Start Date       Step         intent:       Old r         sed Start Date       Step         intent:       Step         ised Start Date       Step         sed Start Date       Step         intime       Step         intime<	table regention along terpossible $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$	eration is a low to r he edge of the mars 2.5 acres for your 1 2016 3102 - Grass <u>Site Condition:</u> cover crops for wild	sh to the so 0%. Old ne Nonstocke dlife or mair	uthwes ext step d atain gra	Unspec ified Unspec ified	ntion of the sout ts: NonForestMgt ng mechanical n	hern finger of the s Other - Specify nethods or fire as fu	310 - Herbaceous Openland unding allows. 310 - Herbaceous		s, leaving Proposal
Treatm Accep Regen Dther Comm Propose 42 4 Habit Prescr Specs Vext S Treatm Accep Regen Dther Propose Propose 46 4 Prescr Specs Next S	Step       Accep         table       Accep         in table       Reten         sed Start Date       Start Date         54059042-NF       Accep         at Cut:       Yes         iption       Plant fr         ible       Old r         sed Start Date       Old r         sed Start Date       Start Date         iption       Plant fr         iption       Plant fr         iption       Plant fr         iption       Mathematical framework         sed Start Date       Start Date         iption       mainta         iption       mainta	table regention along terpossible $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$	eration is a low to r he edge of the mars 2.5 acres for your 1 2016 3102 - Grass Site Condition: cover crops for wild omments: 2016 3102 - Grass Site Condition:	sh to the so 0%. Old ne Nonstocke dife or mair	uthwes ext step d atain gra	Unspec ified Unspec ified	ntion of the sout ts: NonForestMgt ng mechanical n	hern finger of the s Other - Specify nethods or fire as fu	310 - Herbaceous Openland unding allows. 310 - Herbaceous		s, leaving Proposal
Treatm Accept Regen Dther Propos 42 4 Habit Prescr Prescr Prescr Dther Prescr Propos 46 4 Habit Prescr Specs Specs Specs Specs	Step       Accep         table       Accep         iz       Reten         sed Start Data       Step         54059042-NF       Accep         at Cut:       Yes         iption       Plant 1         iption       Plant 1         iption       Plant 1         ised Start Data       Old r         sed Start Data       Step         inents:       Old r         sed Start Data       Step         inents:       Old r         sed Start Data       Step         inents:       Step         iption       mainta         itable       Step         itable       Step	table regention along terpossible $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$ $\frac{10}{1}$	eration is a low to r he edge of the mars 2.5 acres for your 1 2016 3102 - Grass Site Condition: cover crops for wild omments: 2016 3102 - Grass Site Condition:	sh to the so 0%. Old ne Nonstocke dife or mair	uthwes ext step d atain gra	Unspec ified Unspec ified	ntion of the sout ts: NonForestMgt ng mechanical n	hern finger of the s Other - Specify nethods or fire as fu	310 - Herbaceous Openland unding allows. 310 - Herbaceous		s, leaving Proposal
Treatm Accep Regen Other Comm Propos 42 Habit Prescr Specs Next S Treatm Accep Regen Other Comm Propos 46 Habit Prescr Specs Accep Regen Comm Propos Accep Regen Comm Propos	Step       Accep         table       Accep         itable       Accep         itable       anothe         sed Start Date       Start Date         54059042-NF       Step         at Cut:       Yes         iption       Plant fraction         Step       Old r         sed Start Date       Step         hents:       Old r         sed Start Date       Step         sed Start Date       Step         iption       maintain         Step       maintain         iption       maintain         itable       Step         inents:       Step         itable       Step         inents:       Step         itable       Step         inents:       Step         itable       Step	tion along t er possible $\frac{10/1}{2}$ 4.1 to food and hext step cc $\frac{10/1}{2}$ 7.0 ain grasses	eration is a low to r he edge of the mars 2.5 acres for your 1 2016 3102 - Grass <u>Site Condition:</u> cover crops for wild omments: 2016 3102 - Grass <u>Site Condition:</u> using mechanical r	sh to the so 0%. Old ne Nonstocke dife or mair	uthwes ext step d atain gra	Unspec ified Unspec ified	ntion of the sout ts: NonForestMgt ng mechanical n	hern finger of the s Other - Specify nethods or fire as fu	310 - Herbaceous Openland unding allows. 310 - Herbaceous		s, leaving Proposal

06/30/2015 3:22:35 PM - Page 3 of 6

S t		A	tlanta Mgt. Unit		Re	eport 4	Treatmer	nts	•	ment: 59 Entry: 2017	DNR DNR
	tment ime	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	053-19- ew	16.4	4311 - Pine, Aspen Mix	Sawtimber Poor	51	1-50	Harvest	Clearcut	3102 - Grass		Proposal
Habitat Cu Prescription Specs:		ut without	Site Condition: retention. Follow u		scribed	burn.					
<u>Next Step</u> Treatments:											
Acceptable Regen:	Accept	able reger	neration is grass.								
<u>Other</u> Comment:	The pla	an is to bu	rn this along with th	e adjacent s	tand 57	' for main	taining a wildlife	e opening into the fo	uture. Old next st	ep comments:	
Proposed Sta	tart Date	<u> </u>	/2016								
53 540590	053-Cut	33.3 4	4311 - Pine, Aspen Mix	Sawtimber Poor	51	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat Cu Prescription Specs:	Clear-c Include all red	stand rep pine and v	Site Condition: tention. Leave 3-10 presentative species white pine. Retain a onditions for scarific	% pocket re in this reter Il red and w	ntion. A	Also retair	n the area slopin	ng down to the bog	in the northeast of	orner of the st	and. Retain
<u>Next Step</u> Treatments:											
Acceptable Regen:	Accept pine.	able reger	neration is a stand v	vith low to m	edium	stocking	of aspen and jac	ck pine with compo	nents of red mapl	e, oak, white p	ine, and red
<u>Other</u> Comment:	compo	nents of ja jen while o	ve grown exceptiona ack pine and aspen doing a full tree skid	that has bet	ter stoc	king. It is	s feasible to prot	tect a majority of th	e mature pine an	d oak as well a	is pine and
Proposed Sta	tart Date	<u>:</u> 10/1	/2016								
57 540590	057-NF	36.6	330 - Low-Density Trees	Nonstockee	Ł	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal
Habitat Cu Prescription Specs:		in open ch	Site Condition: haracter using mech	•	ods or f	ïre as fur	iding allows.				
<u>Next Step</u> Treatments:											
Acceptable Regen:											
<u>Other</u> Comment:	Old ne	ext step co	omments:								
Proposed Sta	tart Date	: 10/1	/2016								
59 540590	059-Cut	25.9	42120 - Planted Jack Pine	Poletimber Medium	60	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat Cu Prescription Specs:			Site Condition: 3-5 percent of the		thern p	ortion of	the stand in rete		·	cut with full tre	ee skidding for
<u>Next Step</u> Treatments:											
Acceptable Regen:	Accept compo		neration is a low to r	medium stoo	ked sta	and in a c	ombination of de	eciduous and conif	erous species wit	h jack pine an	d aspen
<u>Other</u> Comment:	When t	he adjace	c pine would see a fi ent red pine, strip pla xt step comments:								
Proposed Sta	•		/2016								

t			Atlanta Mgt. Unit		Re	eport 4	Treatmer	nts	•	tment: 59 Entry: 2017	DF NATURAL 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
60	54059060-NF	8.6	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	330 - Low- Density Trees		Proposal
			Site Condition haracter using mech	_	ods or	fire as fur	nding allows.				
	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>ptable</u> :n:										
<u>Othe</u> Com	r Old ı ment:	next step c	comments:								
Prop	osed Start Dat	<u>e:</u> 10/1	/2016								
69	54059069-NF	5.5	330 - Low-Density Trees	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	330 - Low- Density Trees		Proposal
			Site Condition		ods or	fire as fur	nding allows.				
	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>ptable</u> :n:										
<u>Othe</u> Com	<u>r</u> Old ı <u>ment:</u>	next step o	comments:								
Prop	osed Start Dat	<u>e:</u> 10/1	/2016								
72	54059072-Cu	<b>t</b> 40.7	4130 - Aspen	Sawtimber Medium	60	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Hab Prese			Site Condition 5 percent retention t the oak regeneration	in pockets a		elic red p	ine. Retain 3-5 I	arge crowned red	pine, white pine, a	and/or oak per	acre where
Hab Preso Spec Next	cription Clear-		-5 percent retention	in pockets a		elic red p	ine. Retain 3-5 I	arge crowned red	oine, white pine, a	and/or oak per	acre where
Habi Prese Spec Next Treat	<u>cription</u> Clear- <u>s:</u> prese <u>Step</u> ments: ptable Accep	nt. Protec	-5 percent retention	in pockets a on (there is l	ittle).						
Habi Prese Spec Next Treat Acce Rege	<u>cription</u> Clear- <u>s:</u> prese <u>Step</u> <u>ments:</u> <u>ptable</u> Accep <u>n:</u>	nt. Protec	-5 percent retention t the oak regeneration t the oak regeneration	in pockets a on (there is l	ittle).						
Habi Preso Spec Next Treat Acce Rege Othe Com	<u>cription</u> Clear- <u>s:</u> prese <u>Step</u> <u>ments:</u> <u>ptable</u> Accep <u>n:</u> <u>C</u> Old 1	nt. Protec otable rege next step c	-5 percent retention t the oak regeneration eneration is a medium	in pockets a on (there is l	ittle).						
Hab Press Spec Next Treat Acce Rege Othe Com Prop	cription     Clear- prese       Step ments:     prese       ptable     Accep n:       r     Old n ment:       osed Start Dat       54059079-Cu	nt. Protec otable rege next step c <u>e:</u> 10/1	<ul> <li>5 percent retention t the oak regeneration</li> <li>eneration is a medium</li> <li>comments:</li> <li>/2016</li> <li>4310 - Pine, Oak Mix</li> </ul>	in pockets a on (there is I m to well sto Sawtimber Well	ittle).						
Hab Press Spec Next Treat Acce Rege Othe Com Prop <b>79</b> Hab	cription     Clear- prese       Step     prese       Step     prese       ptable     Accep       ptable     Accep       r     Old n       ment:     Old n       psed Start Dat     Stopsorg-Cu       stat Cut:     No       cription     Clear- pocke       s:     pocke	nt. Protec table rege next step c <u>e: 10/1</u> t 50.1 cut with re ts should l nan 4 inche	<ul> <li>5 percent retention t the oak regeneration</li> <li>eneration is a medium</li> <li>comments:</li> <li>/2016</li> <li>4310 - Pine, Oak</li> </ul>	n pockets a on (there is I m to well sto Sawtimber Well : % pocket re the stand.	ittle). ocked st - 98 tention Require	tand of oa 81-110 around the a shortw	ak, white pine, rea Harvest ne oldest/relic rea	d pine, red maple, Clearcut with Retention d pine and around	4319 - Mixed Upland Forest pockets with the s	Even-Aged	Proposal s. Retention eneration
Hab Press Spec Next Treat Accee Rege Othe Com Prop <b>79</b> Press Spec	cription     Clear- prese       Step     prese       Step     prese       ptable     Accep       ptable     Accep       r     Old n       ment:     Old n       psed Start Dat     Stopsorg-Cu       stat Cut:     No       cription     Clear- pocke       s:     pocke	nt. Protec table rege next step c <u>e: 10/1</u> t 50.1 cut with re ts should l nan 4 inche	<ul> <li>5 percent retention t the oak regeneration eneration is a medium comments:</li> <li>/2016</li> <li>4310 - Pine, Oak Mix</li> <li>Site Condition etention. Place 3-10 be representative of es in DBH. Retain 3</li> </ul>	n pockets a on (there is I m to well sto Sawtimber Well : % pocket re the stand.	ittle). ocked st - 98 tention Require	tand of oa 81-110 around the a shortw	ak, white pine, rea Harvest ne oldest/relic rea	d pine, red maple, Clearcut with Retention d pine and around	4319 - Mixed Upland Forest pockets with the s	Even-Aged	Proposal s. Retention eneration
Hab Press Spec Next Treat Acce Rege Othe Com Prop <b>79</b> Press Spec	cription     Clear- prese       Step ments:     prese       ptable     Accep       ptable     Accep       ment:     Old n       psed Start Dat     Stoporg-Cu       stat Cut:     No       cription     Clear- pocket       s:     pocket       less th     with a       Step     ments:       ptable     Accep	nt. Protec table regenext step of <u>e:</u> 10/1 <u>t</u> 50.1 cut with response ts should land an 4 inchores shortwood	<ul> <li>5 percent retention t the oak regeneration eneration is a medium comments:</li> <li>/2016</li> <li>4310 - Pine, Oak Mix</li> <li>Site Condition etention. Place 3-10 be representative of es in DBH. Retain 3</li> </ul>	in pockets a on (there is I m to well sto Well Well % pocket re the stand. 5 large crov	ittle). ocked st ecked st ecked st reguire vned re	tand of oa 81-110 around the a shortw latively op	ak, white pine, rea Harvest Harvest vood operation to ben grown red pin	d pine, red maple, Clearcut with Retention d pine and around protect hills, white ne, white pine, and	4319 - Mixed Upland Forest pockets with the s /red pine and oal /or oak per acre v	Even-Aged	Proposal s. Retention eneration
Hab Press Spec Next Treat Accee Com Prop 79 Hab Press Spec Next Treat Accee Rege	rription Clear- s: prese Step ments: ptable Accep ment: osed Start Dat 54059079-Cu itat Cut: No cription Clear- s: pocke less th with a Step ments: ptable Accep ments: ptable Accep ments: ptable Accep	nt. Protec table rege hext step c <u>e:</u> 10/1 t 50.1 cut with re ts should I han 4 inche shortwood otable rege hd 20 acro denced by	<ul> <li>5 percent retention t the oak regeneration t the oak regeneration eneration is a medium comments:</li> <li>/2016</li> <li>4310 - Pine, Oak Mix</li> <li>Site Condition Mix</li> <li>Site Condition Distribution. Place 3-10 be representative of es in DBH. Retain 3 d operation.</li> <li>eneration is a medium eneration is a medium of the growth rings ar and 78 years ago estimation</li> </ul>	in pockets a con (there is I m to well sto Sawtimber Well Sawtimber Well Mocket re the stand. I S large crow m stocked so te pine adva d the overal	r 98 tention Require vned re tand of I visual	81-110 around the a shortw latively op white pin-	Ak, white pine, read Harvest Harvest Ne oldest/relic read vood operation to ben grown red pine e, red pine, aspe retained in the s the trees. This i	d pine, red maple, Clearcut with Retention d pine and around protect hills, white ne, white pine, and en, red maple, and ame manner. This is somewhat of a re	4319 - Mixed Upland Forest pockets with the s /red pine and oal /or oak per acres oak.	Even-Aged Even-Aged steepest slopes k advanced reg where they will onded well to be ment that happ	Proposal Retention eneration not interfere eing released ened on the

S t		At	lanta Mgt. Unit		Re	eport 4	Treatmer	nts	-	tment: 59 Entry: 2017	OF NATURAL 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
81	54059081-Cut	42.4	4131 - Aspen, Oak	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Pres Spec			Site Condition: 3-10 percent retenti can also be left in a						ealth oak. Reten	tion pockets m	ust include
	tments:										
Acce Rege	•	able regen	eration is a fully sto	cked stand	of aspe	en with les	ser component	s of red oak, red m	aple, and white p	bine.	
	e <u>r</u> Make s <u>ment:</u> osed Start Date		on does not interfer	e with logge	er acce	ss for har	vesting. Old ne:	xt step comments:			
89	54059089-Cut		4310 - Pine, Oak Mix	Sawtimber Medium	71	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
		ut leaving	Site Condition: 3-10% retention in p operation.	oockets aro	und 2-3	3 red and/	or white oak wit	h a preference for	white oak. Protee	ct the red pine	regeneration
	<u>Step</u> tments:										
Acce Rege		able regen	eration is a medium	to well sto	cked st	tand of rec	l pine, jack pine	e, red maple, asper	, oak, and black	cherry.	
<u>)the</u> Com	<u>ment:</u> red ma pine in	ple compo the unders	his treatment is to g nent due to its domi story are of varying s	inate prese size (3-15')	nce in t and are	the unders	tory. Removing	g the large red pine	is the main reas	on for this harv	est. The red
	results	from the h	arvest. Old next ste	ep commen	ts:						-
Prop	results osed Start Date			ep commen	ts:						
Hab	osed Start Date 54059100-Cut itat Cut: No cription Clear-c	<u>10/1 /</u> 4.3		Sawtimber Medium Do not leave	37 e retent	1-50 ion due to	Harvest the narrowness	Clearcut	413 - Aspen	Even-Aged	Proposal
Hab Pres Spec	osed Start Date 54059100-Cut itat Cut: No cription Clear-c	<u>10/1 /</u> 4.3	2016 4130 - Aspen <u>Site Condition:</u> leaving retention. D	Sawtimber Medium Do not leave	37 e retent			Clearcut	413 - Aspen	Even-Aged	Proposal
00 Pres Spec Next Frea	osed Start Date         54059100-Cut         itat Cut: No         cription         Clear-co         possibl         Step         tments:         eptable       Accept	10/1 // 4.3 ut without e. Retain	2016 4130 - Aspen <u>Site Condition:</u> leaving retention. D	Sawtimber Medium Do not leave 4.5" in DBH	37 e retent I.	ion due to	the narrowness	Clearcut s of this stand/to al	413 - Aspen low as much sun	Even-Aged light to regener	Proposal ation as
Hab Pres Spec Next Trea Acce Rege	osed Start Date         54059100-Cut         itat Cut: No         cription       Clear-c         25:       possibl         Step         tments:         eptable       Accept         pine.	tut without e. Retain a able regen	2016 4130 - Aspen Site Condition: leaving retention. D all oak greater than	Sawtimber Medium Do not leave 4.5" in DBH	37 e retenti H.	ion due to and of asp	the narrowness	Clearcut s of this stand/to al components of red	413 - Aspen low as much sun maple, oak, white	Even-Aged light to regener	Proposal ation as
Hab Pres Spec Next Trea Acce Rege Dthe Com	osed Start Date         54059100-Cut         itat Cut: No         cription       Clear-or         cs:       possibl         Step         tments:         eptable       Accept         prime.       pine.         ment:       It make         osed Start Date	<ul> <li>10/1 // 4.3</li> <li>aut without e. Retain a</li> <li>able regen</li> <li>able sense to</li> <li>10/1 //</li> </ul>	2016 4130 - Aspen Site Condition: leaving retention. If all oak greater than eration is a low to m harvest this stand 2016	Sawtimber Medium Oo not leave 4.5" in DBH nedium stoo	37 e retenti H. cked sta	ion due to and of asp ne north for	the narrowness ben with lesser of r added sale vol	Clearcut s of this stand/to al components of red lume. Old next ste	413 - Aspen low as much sun maple, oak, white p comments:	Even-Aged light to regener	Proposal ation as e, and/or jacl
Hab Pres Spec Next Irea Acce Rege Dthe Com Prop	osed Start Date         54059100-Cut         itat Cut: No         cription       Clear-c         step         tments:         aptable       Accept         pine.       pine.         ar       It make         ment:       0         osed Start Date         54059106-NF	<ul> <li>10/1 //</li> <li>4.3</li> <li>aut without</li> <li>e. Retain a</li> <li>able regen</li> <li>able sense to</li> <li>10/1 //</li> <li>3.7 3</li> </ul>	2016 4130 - Aspen Site Condition: leaving retention. E all oak greater than eration is a low to m harvest this stand 2016 330 - Low-Density Trees Site Condition:	Sawtimber Medium Do not leave 4.5" in DBH nedium stoo with stand ?	37 e retenti H. cked sta 10 to th	ion due to and of asp te north for Unspec ified	the narrowness en with lesser of r added sale vol	Clearcut s of this stand/to al components of red lume. Old next ste	413 - Aspen low as much sun maple, oak, white	Even-Aged light to regener	Proposal ation as e, and/or jac
00 Hab Press Spect Next Trea Acces Acces Com Prop 06 Hab Press Spect	osed Start Date         54059100-Cut         itat Cut: No         cription       Clear-or         science       possible         Step       tments:         eptable       Accept         pine.       tmake         ment:       osed Start Date         54059106-NF       itat Cut: Yes         cription       maintai         sci       maintai	<ul> <li>10/1 //</li> <li>4.3</li> <li>aut without</li> <li>e. Retain a</li> <li>able regen</li> <li>able sense to</li> <li>10/1 //</li> <li>3.7 3</li> </ul>	2016 4130 - Aspen Site Condition: leaving retention. If all oak greater than eration is a low to m harvest this stand 2016 330 - Low-Density Trees	Sawtimber Medium Do not leave 4.5" in DBH nedium stoo with stand ?	37 e retenti H. cked sta 10 to th	ion due to and of asp te north for Unspec ified	the narrowness en with lesser of r added sale vol	Clearcut s of this stand/to al components of red lume. Old next ste	413 - Aspen low as much sun maple, oak, white p comments: 320 - Upland	Even-Aged light to regener	Proposal ation as
Hab Press Spect Next Trea Acces Rege Dathe Com Prop Dathe Press Spect Next	osed Start Date         54059100-Cut         itat Cut: No         cription       Clear-or         25:       possible         Step       tments:         eptable       Accept         pine.       tments:         osed Start Date       54059106-NF         itat Cut:       Yes         cription       maintai	<ul> <li>10/1 //</li> <li>4.3</li> <li>aut without</li> <li>e. Retain a</li> <li>able regen</li> <li>able sense to</li> <li>10/1 //</li> <li>3.7 3</li> </ul>	2016 4130 - Aspen Site Condition: leaving retention. E all oak greater than eration is a low to m harvest this stand 2016 330 - Low-Density Trees Site Condition:	Sawtimber Medium Do not leave 4.5" in DBH nedium stoo with stand ?	37 e retenti H. cked sta 10 to th	ion due to and of asp te north for Unspec ified	the narrowness en with lesser of r added sale vol	Clearcut s of this stand/to al components of red lume. Old next ste	413 - Aspen low as much sun maple, oak, white p comments: 320 - Upland	Even-Aged light to regener	Proposal ation as
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Atlanta Mgt. Unit

Dale Parris : Examiner

Compartment: 59 Year of Entry: 2017

**Dominant Site Conditions** 

	2G	2H	3D	5B	5C
Aspen	1				163
Bog					
Cedar	63				
Herbaceous Openland					
Jack Pine			1		
Low-Density Trees					
Lowland Conifers	13				
Lowland Spruce/Fir					
Marsh					
Mixed Upland Deciduous			16	49	
Natural Mixed Pines			20		
Northern Hardwood					
Oak				20	7
Paper Birch		4			
Planted Mixed Pines					
Red Pine			8		
Upland Mixed Forest	3		5		10
Upland Shrub					
Urban					
Water					
Total Forested Acres	80	4	49	69	181
Relative Percent					

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

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	5	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
(	Comments:						

		Atlanta Mgt. Unit Parris : Examiner		Report 5 – Site Con	ditions	Compartment: 59 Year of Entry: 2017	
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3D: Recreational / Scenic values	11	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3D: Recreational / Scenic values	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	96	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		Atlanta Mgt. Unit Parris : Examiner		Report 5 – Site Cor	-	Compartment: 59 Year of Entry: 2017		
9	Unavailable	3D: Recreational / Scenic values	16	6 Unspecified Unspecified		Unspecified	Unspecified	
-		ensity timber. Most of the stanc on the entire stand.	l has e	vidence of camping even if	it is not immediately on the la	ake. It is for this reason t	hat the 3D site	
10	Unavailable	3D: Recreational / Scenic values	3	Unspecified	Unspecified	Unspecified	Unspecified	
(	Comments:							
11	Unavailable	3D: Recreational / Scenic values	2	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	
(	Comments:							
12	Unavailable	3D: Recreational / Scenic values	5	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	
(	Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	47	Unspecified	Unspecified	Unspecified	Unspecified	
(	Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified	
(	Comments:							

# **Report 5 – Site Conditions**

Compartment: 59

Dale Parris : Examiner

Atlanta Mgt. Unit

Year of Entry: 2017

15	Available	5B: Maintain for regeneration purposes	49	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
16	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

		tlanta Mgt. Unit Parris : Examiner		Report 5 – Site Co	nditions	Compartment: 59 Year of Entry: 20	
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						



#### 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 Category Detail Type Recommendation Acres

Comments



## 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.

Conservatior Area	п Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area					
SCA	Cold Water Stream	stocked trout populations and those of other coldwater fish sp year to year. Coldwater streams in Michigan typically provide	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.					
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of streams and open water wetlands, riparian areas harbor a hig communities are ecologically and socially significant in their e as aesthetics, habitat, bank stability, timber production, and the	the unique conditions adjacent to lakes, h diversity of plants and wildlife. Riparian ffects on water quality and quantity, as well					

S	Atlanta	Atlanta Mgt. Unit			- Forested	Stands Compartment: 59 Year of Entry: 2017
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	15.4	109	Unspecified	This stand has a small pond in it with solid ground that is walkable up to the pond. A small stream flows out of the pond to the north.
2	42120 - Planted Jack Pine	Sapling Well	66.9	23	Immature	The jack pine was planted in 1992. There is a line of tag alder in the stand to the west with1.1 acres jack pine planted to the other side of it.
3	42120 - Planted Jack Pine	Sapling Well	9.8	23	Immature	This jack pine was planted in 1992.
5	4132 - Aspen, Jack Pine	Sapling Medium	4.8	24	Immature	The quaking aspen have many cankers and do not look healthy. They probably will not amount to much before they begin to die off.
7	42220 - Natural Jack Pine	Poletimber Poor	8.3	27	1-50	The jack pine trees are about 20 ft. tall. A large red pine left over from the previous harvest was only about 30 ft. tall. This stand was clear-cut in 1988 and was not replanted with the other 2 stands.
8	42120 - Planted Jack Pine	Poletimber Well	56.0	63	1-50	The basal area is on average 0-50, but in areas it is 50-80. These do not seem to be planted in rows but records show that these jack pine were planted in 1952. This stand is a forest health/fire hazard.
9	42110 - Planted Red Pine	Poletimber Well	10.7	60	111-140	This stand was 3rd row thinned in 2010. The majority of the red pine are in the 6-9 inch range. This stand was planted in 1955. The basal area in this stand ranges from 90-230 but a majority of the measurements were in the 110-140 range.
10	42120 - Planted Jack Pine	Poletimber Poor	20.2	63	1-50	This stand was planted in 1952. There are lots of windthrown trees throughout this stand. The jack pine are in poor health. About 20 percent of the jack pine have blown over or are dead standing snags.
12	42110 - Planted Red Pine	Sawtimber Well	26.9	77	81-110	This stand was planted in 1938 and thinned in 1978. These red pine do not look to be row planted. There is 25-33% live crown on most trees. Judging from the recent growth, about 3/4" or less diameter will be added to the DBH in the next ten years. For their age these trees have a large DBH. These trees are relatively open grown for planted red pine. These trees have an average of about 6 sticks per tree with the last one or two sticks being really limbed. Judging from red pine in the area the low tree height looks to be more of a soils factor than planting spacing. On average a tree gives you 2 to 3 sawlogs before becoming really limbed.
13	42220 - Natural Jack Pine	Poletimber Well	1.7	55	81-110	This stand was likely cut in 1960 when a harvest was completed in this 40 acres. A few large red pine were left standing.
15	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	5.9	161	Unspecified	The age of the trees is likely quite variable between tree species and tree sizes in this stand.
18	42120 - Planted Jack Pine	Sapling Well	20.0	23	Immature	This stand was planted to jack pine in 1992.

S t	Atlanta	a Mgt. Unit		Report 8	- Forested	Stands Compartment: 59 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42140 - Planted Mixed Pine	Sawtimber Medium	37.5	70	51-80	Planting records indicate that this stand was planted in 1939, but coring shows that they were planted in approximately 1945.
20	4123 - Red Oak	Sawtimber Poor	19.9	102	1-50	In 2002 this stand was cut leaving mature red oak and white pine advanced regeneration. Therefore this stand is really 3 aged. The red oak are 102 years old, the white pine is 50 years old, and the newest regen since the last harvest is 13 years old. If you count back the white pine growth rings to 2002 you can see the increased growth within the rings since being released. These white pine are in good health. The 50 year old white pine are mainly in the southern 1/3 of the stand. The young red maple regen is highly browsed.
22	42120 - Planted Jack Pine	Sapling Poor	36.8	6	Immature	The age was averaged by counting the whorls of branches on the jack pine. There is about 4 acres of aspen saplings that were not planted that are an inclusion to this stand. There are 4 small pockets of log sized red pine retention (12" DBH) in this stand.
23	42110 - Planted Red Pine	Sawtimber Well	99.9	70	81-110	Live crown averages between 25 and 33 percent. All merchantable trees besides red pine and oak were harvested in 1989. Cut records show that this was planted in 1938, but coring shows that the red pine were planted in 1945. More than half of the stand looks like it was row planted and the other portion does not. The red pine are putting on about 1 inch of DBH growth every 10 years at this point. There is a 3 acre inclusion pocket across the road towards the SE end of the stand. This pocket has higher percentages of jack pine.
25	4311 - Pine, Aspen Mix	Poletimber Poor	36.3	46	1-50	The basal area is 0-50 overall and 50-80 in the more dense pockets. There is a lot of open sedge grass area in this stand. There is a pocket of lowland tamarack and black spruce in the central and eastern fingers at the north end of the stand.
26	42110 - Planted Red Pine	Poletimber Well	18.6	54	141-170	This stand had a failed planting to red pine and jack pine in 1951. The stand was re-planted to only red pine in 1961. According to the 1961 plant date the stand should have an age of 54. Coring gave an age of 49. The planting age of 54 was used. This stand has never been 3rd row thinned. There are two 1-2 acre aspen inclusion pockets in the south half of the stand. The red pine have 25-33% live crown and they have put on 1.5 inches in DBH in the last 10 years.
27	42110 - Planted Red Pine	Sawtimber Medium	36.9	77	81-110	Planting records indicate that this stand was planted in 1938. Coring agrees with the planting records. All trees except red pine were harvested in 1989. The stand BA varies evenly throughout from 40 to 140 BA. Approximately 1 inch of diameter growth was put on these red pine in the last ten years. The red pine DBH mostly varies between 9 and 15 inches. Live crown on the red pine averages between 25 and 33 percent. Some of the stand looks to have been planted in rows and some of it does not.
28	4119 - Mixed Northern Hardwoods	Sapling Poor	41.2	7	Immature	This stand was clear-cut in 2008 and was supposed to be planted to red pine. The trenching was done but the planting never occurred. There is about 5% coverage of white oak residual log trees that were left over from the last harvest. There are 3 one-quarter acre retention pockets of log sized red pine retention. There also a few scattered pole sized jack pine and pole/log sized red pine that were not harvested.

S t	Atlanta	Mgt. Unit		Report 8	- Forested	Stands Compartment: 59 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4199 - Other Mixed Upland Deciduous	Sawtimber Poor	42.9	53	1-50	
31	4310 - Pine, Oak Mix	Sawtimber Poor	12.1	48	1-50	
32	4310 - Pine, Oak Mix	Sawtimber Well	40.0	69	81-110	The planting records says that this stand was planted in 1939, but coring shows that the red pine were planted around 1946. There is a high level of browse on the white oak regeneration that is keeping the majority of white oak under 5 ft. There are some impressive thick pockets where the white oak regeneration has reached 5 ft. plus.
33	42110 - Planted Red Pine	Sawtimber Poor	21.1	68	51-80	In 2001 all species were harvested except red pine, some oak, and one or two large white pine. Planting records partially indicate that this stand was planted in 1938, but coring shows that they were planted in approximately 1947.
34	4310 - Pine, Oak Mix	Sawtimber Medium	36.9	42	51-80	There are red pine and jack pine present from the plantings that took place around 1945, but a majority of the stand is natural. There are 3 acres of aspen inclusion in the west-central portion of the stand.
35	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	7.6	71	51-80	The aspen cored at 63 years old. This stand is in the scenic area of Foch Lake.
36	42210 - Natural Red Pine	Sawtimber Medium	7.9	88	Unspecified	This is scenic Foch Lake shoreline used for recreation.
38	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	28.1	51	1-50	This stand needs at least 10+ years before a harvest is considered. Any future treatments should leave more than 10 percent retention along the water including the entire peninsula at the north end of the stand. Also, if harvested the large white pine at the south end of the marsh area in the center of the stand should be marked out as a buffer and retention.
39	42120 - Planted Jack Pine	Sawtimber Well	50.0	64	81-110	The basal area in the jack pine is 30-80, and the basal area in the red pine is 140-220. The jack pine are in bad shape with many trees dead or windthrown. The red pine vary in DBH by pocket. The red oak are experiencing a lot of crown dieback. The red pine DBH is highly variable, averaging between 11 and 15 inches, depending on the pocket. This stand was panted in 1951. The red pine have 25 percent live crown on average.
45	4130 - Aspen	Poletimber Medium	21.6	52	51-80	There really nice and healthy white oak saplings in the 6-12 ft. range scattered in the understory. The aspen is in good health, especially the bigtooth.
48	4123 - Red Oak	Sawtimber Poor	7.2	99	1-50	This an open stand that is beneficial to wildlife.
49	4131 - Aspen, Oak	Poletimber Well	42.2	47	1-50	The aspen varies somewhat in size throughout this stand. Overall it is small aspen pole timber that should not be harvested this YOE.

S t	Atlanta		Report 8	– Forested	I Stands Compartment: 59 Year of Entry: 2017	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	2.5	58	81-110	There are many large red pine, white pine, and red oak present. A large 19" white pine cored at an age of 94.
53	4311 - Pine, Aspen Mix	Sawtimber Poor	49.7	51	1-50	The 18" plus red pine are likely about 150 years old based on data collected from adjacent stands. The jack pine are growing really well in this stand so it should be restarted with a goal of giving it a better stocking. This stand was harvested in 1964, giving it an age of 51. Coring trees verifies this age.
56	4310 - Pine, Oak Mix	Sawtimber Medium	4.6	42	81-110	
58	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	16.2	94	1-50	There is lots of camping that takes place in this stand. People camp with horses in this stand. This stand has low timber volume and is more valuable for its scenic and recreational qualities. This stand borders Foch Lake making it an ideal location for campers.
59	42120 - Planted Jack Pine	Poletimber Medium	25.9	60	51-80	These planted jack pine are in real poor shape. Dead standing jack pine snags are present throughout. Large pockets of standing snags and windthrow are present in the southern fingers of the stand. The northern portion of the stand was likely naturally grown and these jack pine are doing well, although there is some scattered single tree mortality present.
61	4311 - Pine, Aspen Mix	Sawtimber Medium	11.8	48	1-50	This stand is the combination of a number of covertype inclusions. Along the northern edge there is a 1 acre patch of jack pine saplings. The northern portion of the stand is dominated by log and pole jack pine. The larger southern finger has a 1 acre patch of quaking and bigtooth aspen along its east side. There is a lowland pocket surrounded by pole to log white pine in the west narrow portion that connects the north to the south.
62	42110 - Planted Red Pine	Sawtimber Well	48.8	60	81-110	There was on average 25 percent crown in the narrow fingers and 33 percent in the palm and large finger to the north. A 11" DBH red pine in a finger cored at 59, so these fingers were most likely planted in 1955. The palm of the stand has an average diameter of 14" and was likely planted somewhat earlier. The BA varied from 50 to 210 and was very inconsistent throughout.
63	4130 - Aspen	Poletimber Well	20.0	51	81-110	The bigtooth aspen are mostly 6-10" in DBH. The red and white oak are highly variable in DBH.
65	4130 - Aspen	Sapling Well	46.0	15	1-50	There is 10-20 BA of residual oak remaining from the last harvest. The finger that was cut at the south end of the stand is covered with 70% witch hazel and 30% red maple. Aspen did not regenerate in this finger because of the lack of sunlight.
67	4130 - Aspen	Poletimber Well	30.0	36	1-50	There is a small pocket of log sized red pine to the southwest of the oil well. Red oak grown from stump sprouts and seed kept up with the aspen regeneration in low amounts throughout the stand. This stand has hills throughout that look to be too steep to harvest, but these hills have been harvested in the past so site conditions were not put on them.

S t	Atlanta Mgt. Unit			Report 8	- Forested	Stands Compartment: 59 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
71	4130 - Aspen	Sapling Well	29.0	27	1-50	This stand was clear-cut in 1989. Coring gave one year older. There are some steep hills to the west that would normally look to steep to harvest but they were clear-cut last entry. This is almost a pole stand. These are moderately healthy aspen.
72	4130 - Aspen	Sawtimber Medium	40.7	60	51-80	This stand is dominated by aspen throughout, but the composition of other tree species varies throughout the stand.
74	4310 - Pine, Oak Mix	Sawtimber Medium	10.2	104	111-140	The south-central 2 acres of this stand looks like a red pine/white pine seed tree gone very well. According to the growth rings, approximately 75 years ago the large red pine were released.
75	6120 - Lowland Cedar	Sawtimber Well	47.4	105	141-170	There is a creek flowing through the center of this stand to the north from Town Line Lakes into Foch Lake. The creek is 4-5 ft. wide on average.
76	42220 - Natural Jack Pine	Sawtimber Poor	8.7	54	1-50	This stand is very open and has a lot of dead jack pine snags.
77	42110 - Planted Red Pine	Poletimber Well	23.7	29	81-110	The red pine vary from 4 to 9" DBH. The red pine look healthy for the area soils.
78	4133 - Aspen, Mixed Pine	Sawtimber Well	27.5	55	Unspecified	There is a 2.1 acre pocket of X-log sized white pine and red pine at the north end of the stand towards the east. There is a 1 acre pocket of X-log sized white pine, and red oak at the north end of the stand towards the west. There is a 1.6 acre inclusion pocket of sapling/pole quaking aspen along the east side of the stand.
79	4310 - Pine, Oak Mix	Sawtimber Well	50.1	98	81-110	This stand has two ages, older red pine and stunted red maple and aspen that grew in their partial shade. This stand was likely cut 78 years ago with advanced pine regeneration left standing that now makes the older age class.
80	4131 - Aspen, Oak	Sawtimber Well	7.0	84	81-110	There is a 1/2 acre inclusion pocket of northern white cedar, white pine and red pine on the west edge of the stand at the north end. Except for the east edge of the stand at the north end, this stand is too steep to harvest.
81	4131 - Aspen, Oak	Sawtimber Well	42.4	95	81-110	This is a mature aspen stand that is ready for harvest. At the southwest corner of the private property there is a likely gate trespass (the gate is a ways onto state land).
82	4130 - Aspen	Poletimber Well	139.8	39	51-80	There are mature red pine/white pine pockets scattered throughout. This stand needs another 10+ years before harvesting. The aspen are in average health. Scattered fast growing red oak are keeping up with the aspen. There is some inclusion areas at the southwest end of the stand that is more red oak/sugar maple dominated.
84	6120 - Lowland Cedar	Poletimber Well	3.8	106	141-170	This is a lowland cedar island in an aspen stand.

S t	Atlanta	n Mgt. Unit		Report 8	– Forested	Stands Compartment: 59 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
85	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	49.1	84	81-110	The sugar maple are 2" to 14" DBH. The red oak are 11-16" DBH. The red oak and sugar maple are medium to high quality. This stand is not yet uneven aged. After a few more thinnings it should work its way to uneven aged. This stand will need one or two more thinnings to develop large crowned sugar maple and red oak seed trees. The east edge of the stand is dominated by poor to mid quality red oak.
87	42290 - Natural Mixed Pine	Sawtimber Poor	1.7	47	Unspecified	
88	4311 - Pine, Aspen Mix	Sawtimber Medium	5.5	56	51-80	This stand is the inclusion of two smaller stands. the central and east finger of the stand is aspen dominated.
89	4310 - Pine, Oak Mix	Sawtimber Medium	16.4	71	51-80	The oak regeneration is highly browsed, keeping it under 5 ft. Planting records indicate that this stand was planted in 1938, but coring shows that they were planted in approximately 1944. On average the red pine have 33% live crown, and they have 3 logs before they are full of limbs. They have been relatively open grown for planted red pine so they are shorter with large DBH's for their age. A 15" DBH red pine put on 2" of diameter growth over the last ten years.
90	42120 - Planted Jack Pine	Sapling Poor	16.2	11	Immature	
91	42110 - Planted Red Pine	Sawtimber Poor	18.0	67	51-80	This stand is actually 3 aged. There is an age class of red pine that is 6-8" in DBH and 34 years old, there is an age class of red pine that is 14" in DBH and 67 years old, and there is an age class of red pine that is 18-22" in DBH and 142 years old. The 34 and 142 year old red pine are likely natural and the 67 year old red pine are likely planted. In 2001 all species except red pine were harvested. The aspen regeneration is mainly in the southern half of the stand.
93	4310 - Pine, Oak Mix	Sawtimber Well	12.6	102	81-110	This stand has varying aged trees throughout. It has some red pine around 8" in DBH in pockets that are 54 years old and were likely regen from a harvest in 1961. This stand likely saw a couple thinnings of some type that all left the oak and pine and even some of the aspen. A 13" DBH bigtooth aspen cored at 111 years old.
94	4193 - Birch, Aspen	Sawtimber Medium	4.1	117	81-110	This is stand is isolated by surrounding lowlands.
96	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	12.5	86	1-50	A 6 in. DBH black spruce was cored. The age of this black spruce is just a close estimate due to close rings being difficult to count.
97	6122 - Black Spruce	Sapling Medium	2.4	27	Immature	
100	4130 - Aspen	Sawtimber Medium	4.3	37	1-50	The red pine regeneration is to the south and the white pine to the north. The canopy is 25-50% coverage in the north and 50-75% coverage in the south.

S t	Atlant		Report 8	– Forested	Stands Compartment: 59 Year of Entry: 2017	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
101	4131 - Aspen, Oak	Poletimber Well	95.7	55	1-50	There is a 1/2 acre patch of red pine in the northeast portion with 2-red pine that are about 22 inches in DBH. Judging from nearby stands these 2-red pine are about 150 years old and are worth retaining at the next harvest. Few white oak are present in the southern quarter of this stand.
102	4130 - Aspen	Sapling Well	5.6	8	Immature	This is a pocket of the clear-cut to the west that was not trenched and planted to red pine.

Atlanta Mgt. Unit

Compartment: 59 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
4	3102 - Grass	1.0	No	No oil well present
6	122 - Road/Parking Lot	1.4	No	
11	3102 - Grass	14.8		This stand was clear-cut in 2007. Cutting down a sapling revealed that it was 7-8 years of age.
14	6233 - Wet Meadow	7.3	No	There is a 0.5 acre lowland coniferous pocket in the center of the stand that is dominated by sapling tamarack.
16	330 - Low-Density Trees	12.3	No	Short 12' shrub like jack pine cover about 15 percent of the stand.
17	6233 - Wet Meadow	1.7	No	
21	500 - Water	1.6	No	This is a pond with a stream flowing out of it to the north. The stream flows northward and it is 5 ft. wide and 6 in. deep.
24	3102 - Grass	3.9	No	This is a grass opening with scattered jack pine seedlings.
30	3209 - Upland Shrub (OI)	12.3	No	Black cherry is covering more than 25 percent of the stand, but it is definitely functioning as upland shrub. The black cherry is covering 70% (3-10'), and jack pine 4% (10-15'). Trace amounts of red oak, red pine, white pine, and bigtooth all about 10-15 are feet present.
37	500 - Water	58.5	No	Foch Lake is currently being drained to fix the water damn level mechanism.
40	330 - Low-Density Trees	5.1	No	Where there are trees they are mostly pole sized jack pine with a few scattered red oak and aspen.
41	62399 - Marsh (OI)	21.5	No	The stand has a continuous layer of grass with a continuous layer of moss growing underneath the grass. There are trace amounts of sapling white pine, tamarack, and black spruce present. A narrow creek flows out of Foch Lake through this stand.
42	3102 - Grass	4.1	No	The pin/black cherry are being treated as shrub. Red and white oak are scattered making about 10% canopy.
43	3102 - Grass	1.4	No	There is a oil refinery building present along with some lesser buildings.
46	3102 - Grass	7.0	No	This looks like and is most likely an old airplane runway.
47	3102 - Grass	1.2	No	There is an oil well present.

Atlanta Mgt. Unit

Compartment: 59 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
50	310 - Herbaceous Openland	1.0	No	This is an oil well pad.
52	122 - Road/Parking Lot	25.6	No	
54	62399 - Marsh (OI)	3.1	No	
55	6225 - Bog	0.9	No	This is mostly covered by typical bog scrub shrub with grass or sedge growing underneath throughout.
57	330 - Low-Density Trees	36.6	No	This is a borderline upland shrub or grass stand. Most black cherry is being treated as a shrub. Scattered black cheery, jack pine, white oak, and quaking aspen are present. About 10% trees 4" in DBH or better are present. About 30% upland shrub is present. About 100% grass coverage is present.
60	330 - Low-Density Trees	8.6	No	Large and scattered white oak, red oak, and jack pine are present. Patches of sapling jack pine are also dispersed throughout.
64	310 - Herbaceous Openland	0.9	No	This is an oil well pad.
66	310 - Herbaceous Openland	1.9	No	There is no oil well present.
68	3102 - Grass	0.8	No	This is an oil well pad.
69	330 - Low-Density Trees	5.5	No	Scattered white pine, quaking aspen, red maple, red pine bigtooth aspen, and witch hazel present.
70	310 - Herbaceous Openland	1.4	No	This is an oil well pad.
73	31029 - Grass (OI)	1.3	No	This is an oil well pad.
83	3102 - Grass	0.8	No	This is an oil well pad.
86	6233 - Wet Meadow	2.4	No	
92	3102 - Grass	2.4	No	There is no oil well here.
95	500 - Water	5.5	No	
98	6233 - Wet Meadow	2.1	No	

Compartment: 59 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
99	6230 - Cattail	1.0	No	One-third of the stand is an island in the center holding trees.
104	330 - Low-Density Trees	1.0	No	
106	330 - Low-Density Trees	3.7	No	There are scattered jack pine, black cherry, and white oak present.