Dutex Restoration		2016 Monitoring Report
	APPENDIX A	
	QUALITATIVE DATA SHEETS	
Ecological Resource Consult	tants, Inc.	

Qualitative assessi	ment data	sheet									
Transect ID: DEPT	1-626					Date: 10/	/13/2016				
Plant Community T	ype: Hydri	c Pine Sava	anna		Tin	ne (am/pm)	: 1:00 PM	CT			
1. Weather:	✓ Full Sun		☐ Part Su	ın	☐ Cloudy		☐ Cloudy \	with Rain/Fog			
2. Temperature:	☐ 20-50 F		☐ 51-70 F	=	✓ 71-90 F		☐ 91-110 I	F			
3. CANOPY:		☐ Pine Plan	tation (Rows)		☐ Manage	d for Pine		✓ Restoration	on in Progres	S	
3. CANOPY % cove	er:	Absent	0-1%	□ 1-5%	6-25%	☑ 26-50%	☐ 51-75%	76-100%			
4. Estimated height	class of the	majority of	TREES us	sing the follo	owing scale		absent	☐ 3-5m	☐ 6-10m	✓ >10m	
			List 6 d	ominant TF	REE species	s observed i	n canopy:				
1. Pinus elliott	ii			2. Magnolia v	virginiana		3	3.			
4.				5.				6.			_
5. Estimated height	class of the	majority of					absent	☐ 3-5m	✓ 6-10m	>10m	=
			List up to	6 dominan	t SUBCAN	OPY specie	s observed	:			
1. Cliftonia mo	nophylla			2. Cyrilla race	emiflora		_	3. Magnolia vir	rginiana		_
4. Nyssa biflor				5.				6.			_
6. SHRUBS % cove	r:		Absent	0-1%	□ 1-5%	6-25%	☑ 26-50%	□ 51-75%	76-100%	ó	_
						pecies obse	erved:				
1. Ilex coriace				2. Cliftonia m			_	3. Cyrilla racer	miflora		_
7. Estimated height	class of the						absent	☐ 05m	☐ .6-1.5m	✓ 1.6-3m	
		List 3	of the mos	t common \$	SHRUB and	d/or TREE s	eedlings ol	oserved:			
1. Magnolia vi				2. Ilex coriace			_	3. Cliftonia mo	nophylla		_
8. GROUNDCOVER %	6 cover of gr	aminoids (gr	-	es and rushe	es):						
		☐ Absent	0-1%	✓ 1-5%	6-25%	26-50%	□ 51-75%	76-100%			
9. TOTAL GROUNDO	OVER % cov	ver (including	g graminoids	s and forbes)):						
		☐ Absent	0-1%	✓ 1-5%		26-50%					
			•			OVER spec					
1. Smilax lau				2. Vitis rotur				Rubus arg			_
4. Rhynchos		laris		5. Panicum	verrucosum		_ 6	Andropogo	on virginicus	S	_
7. Carex verr				8			9	-			_
		NATIVE WE I	EDY or RUD	DERAL speci	ies observe -	otherwise S	EE 18. EXC	OTIC SPECIE	S BELOW		
1. Cliftonia m	nonophylla			2			_ 3	B			_
4				5			_ 6	5			_
Vegetation notes: Native		•				•					
Much of the fire killed veg	getation is on t	the ground. It i	s possible tha	at the deadfall	may be burne	d in the next p	rescribed fire.	This may res	ult in a longe	and hotter fire).

Qualitative assess	ment data sheet						
Transect ID: DEPT	1-626				Date: 10/13/2016		
Plant Community 1	Type: Hydric Pine Sav	anna a					
10. Tree density:	appropriate			Why?:	☐ too dense	☐ too sparse	
11. Tree health:	✓ trees healthy	☐ trees stres	sed	Why?:	☐ too dense	☐ too wet	other:
13. Water table:	✓ at the surface	below surfa	ace	Sta	nding water: 🗹 presen	t 🗌 absent	
14. Water color:	✓ tannic ☐ non-tan	nic/clear	☐ cloudy				
Notes on wildlife u	sage observed:						
1. catbird		2	2. eastern p	hoebe		3	
4.		5	5.			6.	
7.		8	3.			9.	
17. Wildlife usage	and natural history ob	servations:	amphibiar	ns 🗌 rept	iles ☐ fish ✓ birds	☐ mammals ☑ art	thropods
			☐ footprints	s scra	tch marks	calls scat	
Wildlife notes: Site was	dry. Coppiced shrubs have	e grown tall, diffic	cult to see thro	ough the den	se stems. Very few anima	als were seen. Mostly b	oirds
heard calling.							
Notes on Exotic sp	ecies observed:						
18. Exotic species:	present 🗹 absent						
Frequent fire will elimin	nate and control invasive	exotic plants.	Canopy is sli	ghtly more	open now.		
Notes on Restorati	on:						
19. Notes on the ge	eneral aspect of the	site/techniqu	ues to mee	t restorat	ion goals:		
Is natura	al regeneration occurring	? ☑ yes	☐ no	and:		✓ supplemental plantal pl	anting/seeding needed
Landscape observation	n: ☑ recently burned						
If planted	d: ☑ in process of restoration	ion			∼Tree age: □ 0-5 yr	s. 🗌 6-10 yrs. 🗹 11	-20 yrs. 🗌 20+ yrs.
Recom	nmendations for restorati	on: 🗹 continue	prescribed bu	ırning	oth	er:	
20. Notes on presc	ribed burning and fi	re conditions	s:				
Fuels	s: duff (cm): 1	litter (cm)	2	note: the	re are many dead ste	ems from subcanor	by and shrubs on the
	Soil moisture: moist bu	 t not saturate	-d	ground.	·	·	
					or adaptive manage	ment techniques:	
Site has been burne	d,clusters of dense co						
	ross entire landscape					9.0	
			haceous sr	ecies hav	e benefited from the	orevious fire.	

Transect ID: DEPT2-614 Plant Community Type: Titi Swamp Time (am/pm): 12:15 PM CT 1. Weather:	
1. Weather: ☑ Full Sun ☐ Part Sun ☐ Cloudy ☐ Cloudy with Rain/Fog	
2. Temperature: □ 20-50 F □ 51-70 F □ 71-90 F □ 91-110 F	
☐ Pine Plantation (Rows) ☐ Managed for Pine ☐ Restoration in Progress	
3. CANOPY % cover: ☐ Absent ☐ 0-1% ☐ 1-5% ☑ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%	
4. Estimated height class of the majority of TREES using the following scale: □ absent □ 3-5m □ 6-10m ☑ >10m	
List 6 dominant TREE species observed in canopy:	
1. Pinus elliottii 2. Magnolia virginiana 3. Cliftonia monophylla	
4. Nyssa sylvatica var biflora 5. 6.	_
5. Estimated height class of the majority of SUBCANOPY using the following scale: 3-5m 6-10m >10m	_
List up to 6 dominant SUBCANOPY species observed:	
1. Magnolia virginiana 2. Nyssa biflora 3. Cliftonia monophylla	
4. Persea palustris 5. 6.	_
6. SHRUBS % cover: □ Absent □ 0-1% □ 1-5% □ 6-25% □ 26-50% ☑ 51-75% □ 76-100%	_
List 3 dominant SHRUB species observed:	
1. Ilex coriacea 2. Gaylussacia mosieri 3. Cliftonia monophylla	
7. Estimated height class of the majority of SHRUBS using the following scale:	
List 3 of the most common SHRUB and/or TREE seedlings observed:	
1. Lyonia lucida 2. Ilex coriacea 3. Persea palustris	_
8. GROUNDCOVER % cover of graminoids (grasses, sedges and rushes):	
☐ Absent ☑ 0-1% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%	
9. TOTAL GROUNDCOVER % cover (including graminoids and forbes):	
☐ Absent ☐ 0-1% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%	
List up to 9 dominant GROUNDCOVER species observed:	
1. Sphagnum spp. 2. Rhynchospora filifolia 3. Gaylussacia mosieri	_
4. Smilax laurifolia 5. Panicum verrucosum 6. Rhynchospora fascicularis	_
7. Woodwardia virginica 8. Lachnanthes carolina 9.	
List the NATIVE WEEDY or RUDERAL species observe - otherwise SEE 18. EXOTIC SPECIES BELOW	
1 2 3 6	_
4. 5 6 6 Vegetation notes: Shrubs reduced to coppice by prescribed fire. These stems have now grown tall. They are creating shaded conditions. Herbaceous groundcovers	er is slowly
recovering. Common to find dead, standing fire killed stems from magnolias, hollies, titi and tupelo. Much of the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground. It is possible to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to the fire killed vegetation is on the ground to	
deadfall may be burned in the next prescribed fire. This may result in a longer and hotter fire.	io triat trio

Qualitative assess								
Transect ID: DEPT	Γ2-614				Date: 10/1	13/2016		
Plant Community	Type: Wetland Fores	ted Mixed						
10. Tree density:	appropriate			Why?:	☐ too dense	!	☐ too sparse	
11. Tree health:	✓ trees healthy	☐ trees stre	essed	Why?:	☐ too dense	:	☐ too wet	other:
13. Water table:	✓ at the surface	□ below sur	rface	Stand	ling water:	✓ present	absent	
14. Water color:	✓ tannic	nnic/clear	☐ cloudy					
Notes on wildlife	usage observed:		_			_		
1. catbird			2. jumping s				3. pine warble	
4. northern	n mockingbird	5	Carolina o	chickadee			6. Carolina wr	en
	ed woodpecker		white taile	_			9.	
17. Wildlife usage	and natural history ob	servations:	amphibiar	ns 🗌 reptile	s 🗌 fish	✓ birds [mammals [✓ arthropods
			☐ footprints			_	alls 🗌 scat	
Wildlife notes: Site wa	s flooded. Coppiced shrubs	have grown tal	l, difficult to se	e through the	dense stems.	A few anim	nals were seen. I	Mostly birds heard calling.
Notes on Exotic s	pecies observed:							
	s: ☐ present ☑ absent							
Exotic species notes:	Invasive exotics were mo	re common be	fore the pres	cribed fire. Fi	equent fire v	will eliminat	e and control in	vasive exotic plants.
Notes on Restorat	tion:							
19. Notes on the g	eneral aspect of the	site/technic	ques to me	et restorati	on goals:			
	al regeneration occurring	? ✓ yes	☐ no	and:	✓ species applicable. If the property of	opropriate	✓ supplement	al planting/seeding needed
Landscape observation	on: recently burned							
If plante	ed: 🗹 in process of restora	ition			~Tree age:	: 0-5 yrs.	☐ 6-10 yrs. [-	☑ 11-20 yrs. ☐ 20+ yrs.
Recom	mendations for restoration	on: 🔽 continu	ue prescribed	burning		✓ herbi	icide treatment	
20. Notes on pres	cribed burning and f	ire conditior	ns:					
Fue	ls: duff (cm): 2	litter (cm)	3	note: there	are many	dead sten	ns from subca	anopy and shrubs on the
	Soil moisture: moist	_		ground.				
	Specific note	es on restora	ation, obse	rvations, o	r adaptive	manager	ment techniq	ues:
Site has been burn	ed,clusters of dense c	oppiced shru	ubs are now	the domina	nt groundo	over. Clif	tonia monoph	ylla is a dominant evergreen
	burn across entire lar						•	
Native species in the	ne seed bank are rege	nerating. He	erbaceous s	pecies have	benefited	from the r	orevious fire.	

Qualitative assessr	nent data	sheet						
Transect ID: DEPT3	3-611					Date: 10/	13/2016	
Plant Community T	ype: Bay S	Swamp			Tir	ne (am/pm)	: 1:30 PM (CT
1. Weather:	☐ Full Sun		✓ Part Sur	n	☐ Cloudy		☐ Cloudy v	vith Rain/Fog
2. Temperature:	☐ 20-50 F		☐ 51-70 F		✓ 71-90 F		✓ 91-110 F	=
		☐ Pine Plan	ntation (Rows)	☐ Manage	d for Pine		☑ Restoration in Progress
3. CANOPY % cove	r:	Absent	0-1%	□ 1-5%	6-25%	26-50%	☑ 51-75%	□ 76-100%
4. Estimated height of	class of the	majority of					absent	☐ 3-5m ☐ 6-10m ☑ >10m
			List 6 d	lominant T	REE specie	s observed	in canopy:	
1. Nyssa sylva	tica v. biflora			2. Magnolia	virginiana		_ 3	Liriodendron tulipifera
4.				5.			6	i.
5. Estimated height of	class of the	majority of	SUBCAN	OPY using	the following	ng scale:	absent	☐ 3-5m
			List up to	6 domina	nt SUBCAN	IOPY specie	es observed	d:
 Cliftonia mo 			_	2. Nyssa syl	vatica v. biflora	1	_ 3	Acer rubrum
4. Magnolia vir	-			5				
6. SHRUBS % cove	r:		☐ Absent	0-1%	□ 1-5%	6-25%		☐ 51-75% ☐ 76-100%
			Lis	t 3 domina	nt SHRUB	species obs	erved:	
1. Myrica hete				2. Persea pa			3	Ilex coriacea
7. Estimated height of	class of the						absent	☐ 05m ☑ .6-1.5m ☐ 1.6-3m
		List 3	of the mos	t common	SHRUB ar	d/or TREE :		
1. Persea palu				2. Acer rubru			_ 3	Magnolia virginiana
8. GROUNDCOVER %	cover of gr							
		Absent		1-5%	6-25%	☑ 26-50%	☐ 51-75%	76-100%
9. TOTAL GROUNDC	OVER % co	•			-	_	_	
		Absent		1-5%		☑ 26-50%		
			•			COVER spec		
1. Scleria trig				2. Rhyncho			_	. Carex verrucosum
4. Osmunda		a		5. Sphagnu	-			. Woodwardia areolata
7. Vitis rotund		\/F \\/EED\		8. Mitchella		4 .		. Carex glaucescens
	st the NATI	VE WEED		-	ies observe	- otherwise		XOTIC SPECIES BELOW
1				2. 			_ 3	·
4.				5.			_ 6	i.
								to find dead, standing fire killed stems from magnolias,
· · · · · · · · · · · · · · · · · · ·	ich of the fire	killed vegetat	ion is on the	grouna. It IS	bossible that th	ie deadraii may	be burned in	the next prescribed fire. This may result in a longer
and hotter fire.								

Qualitative assess					
Transect ID: DEPT	3-611		Date: 10/13/2	016	
Plant Community 7	Type: Bay Swamp				
10. Tree density:	appropriate		Why?: ☐ too dense	☐ too sparse	
11. Tree health:		☐ trees stressed	Why?: ☐ too dense	☐ too wet	other:
13. Water table:	✓ at the surface	□ below surface	Standing water: 🔽 p	resent 🗌 absent	
14. Water color:	✓ tannic non-tar	nnic/clear 🔲 cloudy			
Notes on wildlife u					
1. Carolina	wren	2. cottonmo	outh	catbird	
4. northern	cardinal	5. cricket from	og	Carolina anole	
7. white tail		8. raccoon		9.	
17. Wildlife usage	and natural history ob	oservations: 🗹 amphibia		oirds 🗌 mammals 🔽 arth	nropods
		☐ footprint		ngs or calls	
Wildlife notes: wintering	g catbirds, spiders, cloudle	ess sulphur butterfly, Carolina	anole, dogs in neighboring subdiv	vision barking, white tailed dee	er and raccoon tracks in the mud.
Notes on Exotic sp					
· · · · · · · · · · · · · · · · · · ·	: ☐ present ☑ absent				
Exotic species notes:					
Frequent fire will elim	inate and control invasiv	ve exotic plants.			
Notes on Restorat					
_	•	site/techniques to me		_	
	I regeneration occurring	? ☑ yes ☐ no	and: species approp		nting/seeding needed
Landscape observatio	-		, ,	olanted clear-cut	_
	d: in process of restoration			0-5 yrs. 🔲 6-10 yrs. 🗌 11-	20 yrs. ☑ 20+ yrs.
		on: continue prescribed	burning		
-	ribed burning and f	ire conditions:			
Fuel	s: duff (cm): 0	litter (cm) 3	_note: there are many dea	d stems from subcanop	y and shrubs on the
	Soil moisture: moist		ground.		
	Specific note	es on restoration, obs	ervations, or adaptive ma	nagement techniques:	
			II restoration is trending tow	ard appropriate target c	ondition. Natural
regeneration of nati	ve species is occuring	g			

Qualitative assess	ment data s	sheet								
Transect ID: DEPT	4-625				Date: 10/	13/2016				
Plant Community ⁻					ne (am/pm)					
1. Weather:	☐ Full Sun	✓	Part Sun	☐ Cloudy		☐ Cloudy v	vith Rain/Fog			
2. Temperature:	☐ 20-50 F		51-70 F	✓ 71-90 F	:	☐ 91-110 F	=			
		☐ Pine Plantatio	n (Rows)	☐ Manage	d for Pine	✓ Restora	ition in Progre	SS		
3. CANOPY % cove		☐ Absent ☐			26-50%					
4. Estimated height	class of the	<u> </u>				absent	☐ 3-5m	☐ 6-10m	✓ >10m	
		l	List 6 dominant ⁻	•	s observed					
1. Pinus elliot			2. Magnolia	virginiana		_	B			
	atica v. biflora		5.							
5. Estimated height	class of the					absent		✓ 6-10m	□ >10m	
		Lis	st up to 6 domina		IOPY specie					
1. Magnolia v			2. Cliftonia	monophylla		_	. Cliftonia mo	nophylla		
4. Persea pal			5.			6				
6. SHRUBS % cove	er:		Absent 0-1%			☑ 26-50%	51-75%	□ 76-100%		
			List 3 domin		species obs					
1. Ilex coriace			2. Cliftonia			_	Persea palu			
7. Estimated height	class of the	<u> </u>				absent	05m	☐ .6-1.5m	✓ 1.6-3m	
4 11		List 3 of tr	ne most commo		a/or IREE s	•				
1. Ilex coriace			2. Magnolia			_	Persea palu	stris		
8. GROUNDCOVER 9	% cover of gra		-		□ o., 500,	□ =4 3=0/	□ 7/ 1000/			
O TOTAL CROUNDS	OVED 0/ co	Absent			26-50%	□ 51-/5%	□ /6-100%			
9. TOTAL GROUNDO	OVER % CO				□ a/ F00/	□ E4 7E0/	T 7/ 1000/			
		☐ Absent ☐	0-1%		26-50%					
4 Toyicodor	ndron radican		2. Vitis rot		OVER spec		eu. . Smilax lau	rifolio		
4.	iulon radical		5. vius 100	uriuliolia		_ 3 6		IIIOIIa		
7.			3 8.			_ 9				
	ist the NATI	VE WEEDV or	RUDERAL spec	cias absarva	- othorwise		·	ECIES BEI	OW	
1.		VL VVLLDI OI	2.	cies obseive	- Otherwise	3		LOILS DLI	_0 v v	
4.			5.			_	<u> </u>			
Vegetation notes: Shru	ihs reduced to	connice by prescri		to find dead sta	anding fire killer	 d stems from	magnolias ho	llies titi and t	unelo	
Much of the fire killed wo								· ·	•	fire.
Groundcover is strugglin								,	<u> </u>	2-

Qualitative assess								
Transect ID: DEPT	T4-625				Date: 10/	13/2016		
Plant Community	Type: Hydric Pine Sav	anna						
10. Tree density:	appropriate			Why?	: too dense	9	☐ too sparse	
11. Tree health:	✓ trees healthy	☐ trees str	ressed	Why?	: too dense	Э	☐ too wet	other:
13. Water table:	at the surface	✓ below su	urface	St	anding water:	□ present	✓ absent	
14. Water color:	☐ tannic ☐ non-tanr	nic/clear	☐ cloudy					
Notes on wildlife	usage observed:					_		
1. cricket f	rog		2. eastern	phoebe			3. catbird	
4. Carolina	wren		5. northern	n cardinal		_ (6. bluejay	
7.			8.				9.	
17. Wildlife usage	and natural history obs	servations:	amphibi	ans 🗌 re	ptiles	✓ birds [mammals 🗹 a	rthropods/invertebrates
			☐ footprin	nts 🔲 scr	atch marks	✓ songs or c	alls 🗌 scat	
Wildlife notes: Catbird	s calling.							
Difficult to see wildlife b	ecause regrowth of shrubs is	s dense.						
Notes on Exotic s	pecies observed:							
	: ☐ present ☑ absent							
	Invasive exotics were mor	e common b	efore the pre	escribed fire	. Frequent fire	will eliminat	e and control inva	sive exotic plants.
Notes on Restorat	tion:							
19. Notes on the c	eneral aspect of the	site/techni	ques to m	eet restor	ation goals:			
	al regeneration occurring?		no 🗆	and:	✓ species a	ppropriate	✓ supplemental p	planting/seeding needed
Landscape observation	n: recently burned							
If plante	ed: 🗹 in process of restorat	tion			~Tree age	: 0-5 yrs.	☐ 6-10 yrs. 🗸 1	1-20 yrs. 20+ yrs.
· ·	mendations for restoration		nue prescribed	d burning	J	othe		3
	cribed burning and fir			9				
	ls: duff (cm): 2	litter (cm)		note: th	ere are many	dead ster	ns from subcand	opy and shrubs on the
	Soil moisture: moist			ground	•			.,,
		s on restor	ration, obs			manager	ment technique	s:
0.4					, o. aaaptiit			
IISite has been burn	ed.clusters of dense co	oppiced shr	ubs. smila	x and Vitis		re now the	e dominant grour	ndcover.
	ed,clusters of dense co cross entire landscape.		ubs, smila:	x and Vitis		re now the	dominant grour	ndcover.

Qualitative assessment data sheet		
Transect ID: DEPT5-630		Date: 10/13/2016
Plant Community Type: Wetland Foreste	ed Mixed Time	(am/pm): 11:00 AM CT
1. Weather:	☐ Part Sun ☐ Cloudy	☐ Cloudy with Rain/Fog
2. Temperature:	☐ 51-70 F	☐ 91-110 F
✓ Restoration	on in Progress	
3. CANOPY % cover:	☑ 0-1% ☐ 1-5% ☐ 6-25% ☐] 26-50% ☑ 51-75% □ 76-100%
4. Estimated height class of the majority of		☐ absent ☐ 3-5m ☐ 6-10m ☑ >10m
in the same of the	List 6 dominant TREE species of	
1. Magnolia virginiana	2. Pinus elliottii	3. Nyssa sylvatica v. biflora
4.		6.
5. Estimated height class of the majority of	SUBCANOPY using the following	scale: absent 3-5m 6-10m >10m
	List up to 6 dominant SUBCANOF	PY species observed:
1. Magnolia virginiana	2. Nyssa sylvatica v. biflora	3. Cliftonia monophylla
4.	5.	6.
6. SHRUBS % cover:	☐ Absent ☐ 0-1% ☐ 1-5% ☐	6-25% 26-50% 51-75% 76-100%
	List 3 dominant SHRUB spe	ecies observed:
1. Ilex coriacea	2. Lyonia lucida	3. Cliftonia monophylla
7. Estimated height class of the majority of		
	of the most common SHRUB and/o	•
1. Ilex coriacea	2. Myrica cerifera	3. Lyonia lucida
8. GROUNDCOVER % cover of graminoids (graminoids)	- · · · · · · · · · · · · · · · · · · ·	
Absent		26-50% 🔲 51-75% 🔲 76-100%
9. TOTAL GROUNDCOVER % cover (including	· -	
Absent		26-50%
1. Woodwardia areolata	List up to 9 dominant GROUNDCO	•
	2. Woodwardia virginica5. Rhynchospora miliacea	3. Osmunda cinnamomea
Sphagnum sp. Smilax laurifolia	8. Rhynchospora plumosa	6. Carex verrucosum 9. Xyris frimbriata
		therwise SEE 18. EXOTIC SPECIES BELOW
1.	2.	3.
4		
Vegetation notes: Native groundcover species are re		rescribed fire. Common to find dead, standing fire killed stems from magnolias,
		eadfall may be burned in the next prescribed fire. This may result in a longer
and hotter fire.	,	

Transect ID: DEPT	ment data sheet						
HITAIISECLID. DEFI	5-630			Date: 10/1	3/2016		
Plant Community ¹	Type: Wetland Forest	ted Mixed					
10. Tree density:	appropriate		W	hy?: 🗌 too dense		☐ too sparse	
11. Tree health:	✓ trees healthy	☐ trees stressed	. W	hy?: 🗌 too dense		too wet	other:
13. Water table:	✓ at the surface	☐ below surface		Standing water:	✓ present	absent	
14. Water color:	☑ tannic ☐ non-tan	nic/clear	cloudy				
Notes on wildlife u	sage observed:						
1. eastern	ohoebe	2. ca	atbird		3	northern car	dinal
4. northern	mockingbird	5. pi	ne warbler		6	deer ticks	
7. gray squ	irrel	8. cl	oudless sulfur	butterfly	9).	
17. Wildlife usage	and natural history obs	servations: 🔲	amphibians [reptiles	✓ birds 🔽	☑ mammals ☑	arthropods
		✓	footprints	scratch marks] songs or ca	alls 🗌 scat	
Wildlife notes: Site was	dry. Coppiced shrubs have	e grown tall, difficult	to see through the	ne dense stems. Ver	y few anima	ls were seen. Mo	stly birds heard calling.
White tailed deer droppi	ngs are common.						
	: ☐ present ☑ absent nvasive exotics were mor	e common before	the prescribed	fire. Frequent fire w	vill eliminate	and control inv	asive exotic plants.
••							
Notes on Restorat	ion:						
Notes on Restorat		site/technique	s to meet res	toration goals:			
19. Notes on the g	eneral aspect of the	•			propriate	✓ supplementa	I planting/seeding needed
19. Notes on the g	eneral aspect of the	•		toration goals: ✓ species ap	propriate		I planting/seeding needed
19. Notes on the g Is natura Landscape observatio	eneral aspect of the all regeneration occurring? n: recently burned	yes 🗆					
19. Notes on the g Is natura Landscape observatio If plante	eneral aspect of the	yes 🗆	no and:			☐ 6-10 yrs. 🗸	I planting/seeding needed 11-20 yrs. □ 20+ yrs.
19. Notes on the g Is natura Landscape observatio If plante Recom	eneral aspect of the all regeneration occurring? n: recently burned d: in process of restoral mendations for restoration	yes tion n:	no and:		□ 0-5 yrs.	☐ 6-10 yrs. 🗸	
19. Notes on the g Is natura Landscape observatio If plante Recomm	eneral aspect of the all regeneration occurring? n: recently burned d: in process of restora	tion n: continue pr re conditions:	no and: escribed burning	✓ species ap ∼Tree age:	0-5 yrs.	☐ 6-10 yrs. ☑ :	11-20 yrs.
19. Notes on the g Is natura Landscape observatio If plante Recomm	eneral aspect of the all regeneration occurring? n: recently burned d: in process of restoral mendations for restoration cribed burning and file	yes tion n:	no and: escribed burning note	✓ species ap ∼Tree age:	0-5 yrs.	☐ 6-10 yrs. ☑ :	
19. Notes on the g Is natura Landscape observatio If plante Recomm	eneral aspect of the sal regeneration occurring? n: recently burned d: in process of restoral mendations for restoration cribed burning and file s: duff (cm): 1 Soil moisture:	tion n: continue pr re conditions: litter (cm) 3	no and: escribed burning note grou	✓ species ap ∼Tree age: there are many and.	0-5 yrs. other	☐ 6-10 yrs. ☑ :: ns from subca	11-20 yrs. □ 20+ yrs. nopy and shrubs on the
19. Notes on the g Is natura Landscape observatio If plante Recom 20. Notes on preso	eneral aspect of the sal regeneration occurring? n: recently burned d: in process of restoral mendations for restoration cribed burning and file s: duff (cm): 1 Soil moisture: Specific notes	tion n: continue pr re conditions: litter (cm) 3	escribed burning note grou n, observation	Tree age: there are many and. ons, or adaptive	0-5 yrs. other dead stem managen	☐ 6-10 yrs. ☑ :: ns from subca	11-20 yrs. □ 20+ yrs. nopy and shrubs on the
19. Notes on the g Is natura Landscape observatio If plante Recommendation 20. Notes on presonate Fuel Site has been burne	eneral aspect of the sal regeneration occurring? n: recently burned d: in process of restoral mendations for restoration cribed burning and file s: duff (cm): 1 Soil moisture:	tion n: continue pr re conditions: litter (cm) 3 s on restoratio pppiced shrubs	escribed burning note grou n, observation	Tree age: there are many and. ons, or adaptive	0-5 yrs. other dead stem managen	☐ 6-10 yrs. ☑ :: ns from subca	11-20 yrs. □ 20+ yrs. nopy and shrubs on the

Qualitative assessn	nent data s	sheet								
Transect ID: DWPT	1-441					Date: 10/	/14/2016			
Plant Community T	ype: Pine F	latwoods			Tin	ne (am/pm)	: 8:50 AM			
1. Weather:	✓ Full Sun		☐ Part Sur	٦	☐ Cloudy		☐ Cloudy v	vith Rain/Fog		
2. Temperature:	☐ 20-50 F		☐ 51-70 F		✓ 71-90 F		☐ 91-110 F	=		
		✓ Restorat	on in Progres	SS						
3. CANOPY % cove	r:	Absent	0-1%	□ 1-5%	6-25%	✓ 26-50%	□ 51-75%	76-100%		
4. Estimated height of	class of the	majority of	TREES us	sing the fol	llowing scale	e:	absent	☐ 3-5m	☐ 6-10m	✓ >10m
			List 6	dominant	TREE spec	cies observe	ed in canopy	y:		
 Pinus elliotti 	i			2. Magnolia v	virginiana			3.		
4.				5.				6.		
Estimated height of	lass of the	majority of	SUBCAN	OPY using	the followir	ng scale:	absent	☐ 3-5m	✓ 6-10m	>10m
			List up	to 6 domir	nant SUBCA	NOPY spe	cies observ	red:		
1. Pinus elliotti	i		_	Cliftonia m	onophylla			3. Magnolia v	irginiana	
4.			_	5.			_	6.		
6. SHRUBS % cover	r:		Absent	0-1%	□ 1-5%	6-25%	☑ 26-50%	□ 51-75%	76-100%	
					nant SHRU I	B species o	bserved:			
1. Ilex coriacea			_	2. Ilex glabra			_	3. Clethra aln	ifolia	
7. Estimated height of	lass of the						absent	☐ 05m	☐ .6-1.5m	✓ 1.6-3m
		List			on SHRUB :	and/or TRE	E seedlings	observed:		
1. Ilex coriacea				2. Clethra alr				3		
8. GROUNDCOVER %	cover of gra									
		☐ Absent	_	✓ 1-5%	6-25%	26-50%	☐ 51-75%	□ 76-100%		
9. TOTAL GROUNDCO	OVER % cov		-		-	_	_	_		
		Absent	0-1%	1-5%	☑ 6-25%		51-75%			
					nt GROUNI	OCOVER sp	pecies obse			
1. Serenoa re				2. Pteridium	n aquilinum		<u> </u>	3. Vitis rotun	idifolia	
4. Rhynchosp	ora spp.		_	5			<u> </u>	6		
7			=,, -,,,	8		.1 1		9.	0150 551 01	
	List the NA	TIVE WEE		•	ecies observ	e - otherwi	se SEE 18.	EXOTIC SPE	CIES BELO	V
1				2				3		
4			_	5.				6		
Vegetation notes: Native	_									
hollies, titi and tupelo. M	uch of the fire	killed vegetal	ion is on the	ground. It is	possible that t	ne deadfall ma	y be burned ir	i the next prescribe	ea tire. This ma	y result in a longer
and hotter fire.										

Qualitative assess	ment data sheet							
Transect ID: DWP					Date: 10/14/20	16		
Plant Community	Type: Pine Flatwoods							
10. Tree density:	appropriate			Why?:	☐ too dense		too sparse	
11. Tree health:		☐ trees stre	essed	Why?:			too wet	other:
13. Water table:	at the surface	✓ below su	rface	Sta	nding water: pre	esent [✓ absent	
14. Water color:	☐ tannic ☐ non-tann	ic/clear	☐ cloudy					
Notes on wildlife ι	sage observed:							
1. catbird	_	2	2. Carolina	chickadee			3. Carolina wr	en
4. crickets		5	. America	n robin			6. eastern pho	ebe
7.		8	3.				9.	
17. Wildlife usage	and natural history obs	ervations:	amphib	ians 🗌 rep	tiles 🗌 fish 🗸 bir	ds 🔲 ı	mammals	✓ arthropods
			☐ footprii		_	s or calls	s scat	
Wildlife notes: Coppice	ed shrubs have grown tall. Ve	ery few anima	als were see	n. Mostly bird	s heard calling from thi	ckets.		
Notes on Exotic s	pecies observed:							
18. Exotic species	: ☐ present ☑ absent							
Exotic species notes: I	nvasive exotics were more	common be	fore the pr	escribed fire.	Frequent fire will elim	minate a	and control invasi	ve exotic plants.
Notes on Restorat								
_	eneral aspect of the s		ques to m	neet restora				
	al regeneration occurring?	yes	☐ no	and:	species appropri	ate [✓ supplemental pl	anting/seeding needed
Landscape observatio								
	d: 🗹 in process of restorati				~Tree age: 🗌 0-	-5 yrs.	☐ 6-10 yrs.	☑ 11-20 yrs. ☐ 20+ yrs.
Recom	mendations for restoration	: 🗹 continu	ue prescribe	d burning		ot	her:	
20. Notes on preso	cribed burning and fire	e conditio	ns:					
Fuel	s: duff (cm): 2	litter (cm)	6	note: the	ere are many dead	stems	from subcanor	by and shrubs on the ground.
	Soil moisture: moist	_						
	Specific not	es on rest	oration, c	bservation	ns, or adaptive ma	anager	nent techniqu	es:
Site has been burne	ed, this killed the shrubs				•		•	
	regrowth of groundcove				11 5			
	to reseed the areas be				rowth. Allow fire to	burn a	cross entire lar	ndscape.

Qualitative assess	ment data s	sheet						
Transect ID: DWP	Г2-626					Date: 10/	14/2016	
Plant Community		Pine Sava			Tir	ne (am/pm)		
1. Weather:	✓ Full Sun		☐ Part Sur	٦	☐ Cloudy		☐ Cloudy v	vith Rain/Fog
2. Temperature:	☐ 20-50 F		☐ 51-70 F		✓ 71-90 F	:	☐ 91-110 I	F
		✓ Restorati	on in Progre	SS				
			_	_				
3. CANOPY % cov		Absent		1-5%		✓ 26-50%		
4. Estimated height	class of the	majority of					absent .	☐ 3-5m ☑ 6-10m ☐ >10m
					-	s observed		
1. Pinus elliot			_	2. Taxodium			_	Nyssa sylvatica v. biflora
4. Magnolia v				5. Acer rubru			_	S
5. Estimated height	class of the	majority of					absent	☐ 3-5m
						IOPY specie		
	atica v. biflora		_	2. Pinus ellio			_	B. Magnolia virginiana
4. Acer rubru			_	5. Persea pa			_	Taxodium ascendens
6. SHRUBS % cove	er:		☐ Absent	0-1%	□ 1-5%			☐ 51-75% ☐ 76-100%
List 3 dominant SHRUB species observed:								
1. Myrica ceri				2. Ilex glabra			_	Lyonia lucida
7. Estimated height	class of the							☐ 05m ☐ .6-1.5m ☑ 1.6-3m
		List 3 of	of the mos	t common	SHRUB ar	d/or TREE:	seedlings o	bserved:
1. Myrica ceri			_	2. Persea pa			_	Magnolia virginiana
8. GROUNDCOVER 9	% cover of gra	aminoids (gra	asses, sed	ges and rus	hes):			
		☐ Absent		□ 1-5%	6-25%	☑ 26-50%	☐ 51-75%	☐ 76-100%
9. TOTAL GROUNDO	OVER % cov	er (including	g graminoid	s and forbe	s):			
		☐ Absent	0-1%	□ 1-5%	6-25%	☑ 26-50%	□ 51-75%	☑ 76-100%
		L				COVER spec	cies observ	ed:
1. Fuirena s	•		_	2. Aristida p				B. Panicum virgatum
4. Eriocaulo	n decangulare	Э	_		gon glomerat	us	6	Bidens mitis
7. Cladium j				8. Smilax la				Anthaenanthia rufa
L	ist the NATI	√E WEEDY	or RUDE	RAL spec	ies observe	- otherwise	SEE 18. E	XOTIC SPECIES BELOW
1			_	2			3	3
4.			_	5.				3.
		-						to find dead, standing fire killed stems from magnolias,
hollies, titi and tupelo. M	luch of the fire	killed vegetati	on is on the	ground. It is p	oossible that th	ne deadfall may	y be burned in	the next prescribed fire. This may result in a longer
and hotter fire.								

Qualitative assess	ment data sheet					
Transect ID: DWP			Da	te: 10/14/2016		
	Type: Hydric Pine Savanna		Du	10. 10/1-/2010		
10. Tree density:	appropriate for coastal wet p	ninelands	Why?: □ †	oo dense	☐ too sparse	
11. Tree health:	most trees are health trees		Why?: ☐ t		✓ too wet	other:
13. Water table:		w surface	•	water: present	□ absent	outor.
14. Water color:	✓ tannic non-tannic/clear	w surface ✓ cloudy	slightly tannic- i	· ·	db3cm	
Notes on wildlife u		<u> </u>	Silginity talline-	icarry cicar		
1. great blu		2. eastern p	hoebe		3. cricket	
	oper in the marsh	5. catbird			6. red bellied wood	dpecker
7. pine war		8. Carolina	wren		9.	
<u> </u>	and natural history observatior					hropods
I I I I I I I I I I I I I I I I I I I	and natural motory observation	footprints				
Wildlife notes: Heard th	ne calls from eastern phoebe, eastern	'		🗀 songs or s	<u> </u>	
		, μ				
Notes on Exotic sp	pecies observed:					
-	: ☐ present ☑ absent					
	nvasive exotics were uncommon be	efore the prescri	oed fire. Frequent	fire will eliminate a	nd control invasive e	exotic plants.
Notes on Restorat	ion·					
	eneral aspect of the site/tech	nniques to me	et restoration	goals:		
	Il regeneration occurring?	•		species appropriate	☐ supplemental pla	anting/seeding needed
Landscape observation						3
	d: ☑ in process of restoration		~7	Tree age: 0-5 yrs	☐ 6-10 yrs. ☐ 11-	-20 vrs 20+ vrs
Recom	mendations for restoration:	ontinue prescribed		othe	=	20 3.0. 🗀 20 . 3.0.
	ribed burning and fire condi		o .	Othic		
	_	cm) 1	note: there are	e many dead ster	ns from subcanon	y and shrubs on the
	Soil moisture: moist	<u> </u>	ground.	o many acad ster	no nom saboanop	y and sinds on the
	Specific notes on res	toration obse		dantive manager	ment techniques	
Site is a forested se	epage slope ecotone adjacent					
	els through a Cladium marsh.				S GILLOWCG TO DUITE	inoagii tiila loleat.
art or transcot trav	Cio anough a Ciadiani maisii.	7 1110 W 1110 10 D	arr dologo criti	io idiidodapo.		

Qualitative assessme	nt data sheet				
Transect ID: DWPT3-	641		Date:	: 10/14/2016	
Plant Community Type			Time	(am/pm): 10:00 AM CT	
1. Weather:	✓ Full Sun	☐ Part Sun	☐ Cloudy	☐ Cloudy with Rain/Fog	
2. Temperature:	☐ 20-50 F	☐ 51-70 F	✓ 71-90 F	☐ 91-110 F	
	✓ Resto	oration in Progress			
3. CANOPY % cover:	□ Absor	nt 🗹 0-1% 🔲 1-5%	☐ 6-25% ☐ 26-5	50% ∏ 51-75% ∏ 76-100%	
4. Estimated height cla		_		□ absent □ 3-5m	o
4. Estimated Height old	oo or the majority		nt TREE species obs		
1. Pinus elliottii		2. Taxodium	•	3.	
4.		5.		6.	
5. Estimated height cla	ss of the majority	of SUBCANOPY using	g the following scale	absent 3-5m	☐ 6-10m ☐ >10m
J	, ,		inant SUBCANOPY		
1. Pinus elliottii		2.		3.	
4.		5.		6.	
6. SHRUBS % cover:		☐ Absent ☐ 0-1%		5% 26-50% 51-75%	□ 76-100%
		List 3 dom	inant SHRUB speci	es observed:	
1. Myrica cerifera			ne v. myrtifolia	3. Ilex glabra	
7. Estimated height cla				absent 05m	☑ .6-1.5m ☐ 1.6-3m
		ist 3 of the most comm	on SHRUB and/or 1	FREE seedlings observed	
1. Persea palustr		2. Acer rubr		3. Pinus elliot	<u>tii</u>
8. GROUNDCOVER % c					
		nt 0-1% 1-5%		50% 🗌 51-75% 🗹 76-100%	
9. TOTAL GROUNDCOV			•		
	☐ Abser			50%	
4 Jungua raama	rianua	•		R species observed:	on.
 Juncus roeme Osmunda rega 		2. Cladium j	amaicense	3. Hypericum	sp.
	1115	5 8.		 6. 9.	
7	et the NATIVE W		pacias obsarva - othe	erwise SEE 18. EXOTIC	SDECIES RELOW
1.	St tile INATIVE W	2.	Decies obseive - othi	3.	SF ECIES BELOW
4.				 6.	
Vegetation notes: This tran	sect includes a tidal		into the tidal marsh.		
				o find dead, standing fire killed s	stems from magnolias, hollies, titi and tupelo.
				next prescribed fire. This may re	

Qualitative assess									
Transect ID: DWP	T3-641			Date: 10/14/201	6				
Plant Community	Type: Freshwater/tida	l Marsh							
10. Tree density:	appropriate		Why?:	☐ too dense	☐ too sparse				
11. Tree health:	☐ trees healthy	✓ trees stressed	Why?:	☐ too dense	✓ too wet	other:			
13. Water table:	✓ at the surface	□ below surface	Sta	nding water:	sent absent				
14. Water color:	✓ tannic ☐ non-tan	nic/clear 🔲 cloudy	notes:	very low salinity br	rackish conditions				
Notes on wildlife u									
1. Gambus	sia affinis mosquitofish	2. eastern bl	uebird		3. cloudless sulfur b	utterfly			
4. red belli	ed woodpecker	5. Carolina w	vren	6. pine warbler					
7. eastern	phoebe	8. great blue	heron		9.				
17. Wildlife usage	and natural history ob-	servations: 🗌 amphibian:	s 🗌 rept	tiles 🗸 fish 🗸 bird	ds 🗌 mammals 🔽 arthro	ppods			
		☐ footprints	☐ scra	tch marks songs	or calls scat				
Wildlife notes: Heard t	he calls from eastern phoeb	e, red bellied woodpecker, ea	stern blueb	ird, pine warbler.					
Notes on Exotic s	pecies observed:								
18. Exotic species	∷ □ present ☑ absent								
Exotic species notes:	Invasive exotics were mor	e common before the preso	cribed fire.	Frequent fire will elim	ninate and control invasive	exotic plants.			
Notes on Restorat	tion:								
19. Notes on the g	eneral aspect of the	site/techniques to mee	et restora						
	al regeneration occurring?	? ☑ yes ☐ no	and:	✓ species appropria	ite	ing/seeding needed			
Landscape observation	n: vell managed	recently burned							
If plante	ed: 🗹 in process of restora	tion		~Tree age: ☐ 0-5	5 yrs. 🔲 6-10 yrs. 🔲 11-20) yrs.			
Recom	mendations for restoratio	n: 🔽 continue prescribed bu	urning		other: primarily a tidal marsh	ı without a canopy			
20. Notes on pres	cribed burning and fi	re conditions:							
Fue	ls: duff (cm): underwa	te litter (cm) 2							
	Soil moisture: saturated		_						
	Specific no	tes on restoration, ob	- servatior	s, or adaptive ma	anagement techniques	:			
Site has been burn						aintain the tidal marsh in			
	re to burn across entire			<u> </u>	<u> </u>				
, ,		•							

Qualitative assessi	ment data sl	neet								
Transect ID: DWPT	4-614					Date: 10/	/13/2016			
Plant Community 1	ype: Titi Swa	amps			Tin	ne (am/pm)	: 4:00 PM	CT		
1. Weather:	✓ Full Sun		☐ Part Sun		☐ Cloudy		☐ Cloudy v	vith Rain/Fog		
2. Temperature:	☐ 20-50 F		☐ 51-70 F		☑ 71-90 F		☐ 91-110 I	F		
		☐ Restoration	on in Progres	S						
3. CANOPY % cove			0-1%	□ 1-5%		☑ 26-50%		76-100%		
4. Estimated height	class of the n	najority of					absent	☐ 3-5m ☐ 6-10m ☑ >10m		
	List 6 dominant TREE species observed in canopy:									
1. Pinus elliott			-		atica var biflo	ra	_ 3	3. Taxodium ascendens		
4. Magnolia vi			- 5	-				5		
5. Estimated height	class of the n	najority of					absent	☐ 3-5m		
			•			IOPY specie				
1. Nyssa sylva	atica var biflora		_	. Magnolia v	/irginiana		_ 3	3. Taxodium ascendens		
4.			_ 5					·		
6. SHRUBS % cove	er:		Absent	0-1%	☑ 1-5%	6-25%		☐ 51-75% ☐ 76-100%		
						species obs				
1. Ilex vomitor			_	. Ilex myrtifo				3. Ilex coriacea		
7. Estimated height	class of the n						absent	□ 05m ☑ .6-1.5m □ 1.6-3m		
		List 3 c				d/or TREE	0			
1. Taxodium a			_	. Magnolia v			_ 3	3. Ilex coriacea		
8. GROUNDCOVER 9	-		-		-					
		Absent		1-5%	6-25%	□ 26-50%	☑ 51-75%	☐ 76-100%		
9. TOTAL GROUNDC			-		-					
	L	Absent		1-5%		26-50%				
4 Didono mi	4: <u>~</u>	L				COVER spec				
1. Bidens mi	idron radicans				n decangula	re		Mikania scandens		
			_	Osmunda Vuria ann				Rhynchospora spp. Dicanthelium scabrisculum		
	n brachyphyllu		_	Xyris spp		othorwino		EXOTIC SPECIES BELOW		
1.	St the NATIV	C WEED!		-	es observe	- otherwise	_			
'			_ 2				_	3		
Vegetation notes: Native	e aroundcover s	necies are re	_ ~	-	ed to connice h	ny prescribed fi	Common	to find dead, standing fire killed stems from magnolias,		
_	-							the next prescribed fire. This may result in a longer		
and hotter fire.	don or the me ki	nou vogotatit	71 13 OH 111C (nouna. It is p	JOSSIDIC HIAL H	ic acadian may	y Do Duilled III	The next presence inc. This may result in a longer		
and notter life.										

0 1': 1 1':					
Qualitative assess					
Transect ID: DWP7				/13/2016	
		is actually a wet prairie)			
10. Tree density:	appropriate		Why?: too dens	se 🗌 too sparse	
11. Tree health:	✓ trees healthy	☐ trees stressed	Why?: too dens	se 🗌 too wet	other:
13. Water table:	✓ at the surface	□ below surface	Standing water:	✓ present ☐ absent	
14. Water color:	✓ tannic non-tan	nic/clear 🔲 cloudy			
Notes on wildlife u	sage observed:	_			
1. eastern p	hoebe	2. blue darne	er dragonfly	3. cricket frog	
4. spiders		5. pine warbl	er	6. catbird	
7. red bellie	d woodpecker	8.		9.	
17. Wildlife usage	and natural history ob	servations: 🗹 amphibiar	ns 🗌 reptiles 🔲 fish	✓ birds ✓ mammals ✓ art	thropods
		✓ footprints	s scratch marks	✓ songs or calls ☐ scat	
Wildlife notes: wintering	g catbirds, spiders, cloudles	ss sulphur butterfly, deer scat	t, raccoon prints in mud, do	ogs in neighboring subdivision barki	ng
Notes on Exotic sp	ecies observed:				
-	: ☑ present ☐ absent				
	few Chinese tallow tree se	eedlings were seen.			
Notes on Restorati	ion:				
		site/techniques to me	et restoration goals:	:	
	I regeneration occurring				anting/seeding needed
	n: 🗹 recently (partially) b	_			
1	d: in process of restora		~Tree age	e: □ 0-5 yrs. □ 6-10 yrs. ☑ 11	-20 yrs. ☐ 20+ yrs.
		n: 🗹 continue prescribed b	•	other:	, <u> </u>
	ribed burning and fi	' '			
	s: duff (cm): 0	litter (cm) 1	note: there are man	y dead stems from subcanor	ov and shrubs on the
	Soil moisture: saturate		ground.	y acad clome nom caccane,	y and omade on the
				e management techniques	
Site has been hurne		•		treated with herbicide. Land	
		cies. Allow fire to burn a			Coape to open with a
divoloity of horbacci	ous groundouver spec	noo. / mow mo to built a	oroso critiro iariastap		

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Qualitative assess	ment data s	heet							
Transect ID: DWP	T5-626					Date: 10/	14/2016		
Plant Community	Type: Hydri	c Pine Sav	anna		Tir	ne (am/pm)	: 10:40 AN	ИCT	
1. Weather:	✓ Full Sun		☐ Part Sun		☐ Cloudy		☐ Cloudy v	vith Rain/Fog	
2. Temperature:	☐ 20-50 F		☐ 51-70 F		☑ 71-90 F		☐ 91-110 F	F	
		✓ Restoration	on in Progres	S					
3. CANOPY % cov		_	0-1%	□ 1-5%		26-50%	☐ 51-75%	76-100%	
Estimated height	class of the	majority of					absent	☐ 3-5m ☐ 6-10m ☑ >10m	
List 6 dominant TREE species observed in canopy:									
1. Pinus ellio	ttii		_ 2	2. Taxodium	ascendens		3	3	
4.			_	i					
Estimated height	class of the	majority of			•		absent		
			List up to	6 domina	nt SUBCAN	IOPY specie			
1. Nyssa sylv	atica var biflora	l	_ 2	Magnolia	virginiana		_ 3	Taxodium ascendens	
4			_	5					
6. SHRUBS % cov	er:		☐ Absent	0-1%	☑ 1-5%	6-25%	26-50%	☐ 51-75% ☐ 76-100%	
						species obs			
1. Myrica cer			_	llex coriac				Ilex glabra	
7. Estimated height	class of the						absent	☑ 05m ☐ .6-1.5m ☐ 1.6-3m	
		List 3 o				d/or TREE			
1. Magnolia v			_	2. Taxodium			_ 3	3. Myrica cerifera	
8. GROUNDCOVER	% cover of gra		_		-	_	_	_	
		Absent		1-5%	6-25%	∠ 26-50%	☐ 51-75%	☐ 76-100%	
9. TOTAL GROUND	COVER % cov		-		-				
		Absent		1-5%	6-25%	☑ 26-50%			
. Edward ha		L	•			OVER spec			
1. Fuirena br			_		pora fascicula	TIS	_	Rhynchospora filifolia	
	decangulare		_		a leucophylla	::		3. Xyris sp.	
	pora plumosa	/E WEEDY			pora chapman			Hypericum brachyphyllum	
	IST THE INATI	VE WEEDY		-	ies observe	- otnerwise	_	EXOTIC SPECIES BELOW	
1			_				_ 3	3	
Vogotation notes: Notice	vo groundeever	enocioe ara r	5		ad to connice b	v proceribed fi	ro Common	to find dead, standing fire killed stems from magnolias,	
		-						n the next prescribed fire. This may result in a longer	
and hotter fire.	widen or the life	riileu vegetat	ווט פו ווטפ	ground. It IS	אוואן אווופנים	ne ueaulali IIIa	iy be builled if	in the riext prescribed line. This may result in a longer	
and notter lire.									

Qualitative assess	ment data sheet					
Transect ID: DWP				Date: 10/14/201	6	
		/anna		Date. 10/14/201	O	
	Type: Hydric Pine Sav	/dilia	Whis			
10. Tree density:	appropriate		Why?:	too dense	too sparse	a the a
11. Tree health:	▼ trees healthy	trees stressed	•	too dense	too wet	other:
13. Water table:	at the surface	✓ below surface		nding water: pres	sent 🔽 absent	
14. Water color:	☐ tannic ☐ non-tan	nic/clear 🔲 cloudy				
Notes on wildlife u	sage observed:					
1. catbird		2. cicadas			3. northern mockin	
4. cricket fr		5. white ta	ailed deer		6. Carolina chickad	<u>ee</u>
7. eastern p		8			9	
17. Wildlife usage	and natural history ob	servations: 🗹 amphib	oians 🗌 rep			nropods
		✓ footpri	_	tch marks 🗸 songs		
Wildlife notes: bird calls	s include northern mocking	bird, pine warbler and cath	oird. Dogs bark	ing in distance. White t	tailed deer tracks observed.	
Notes on Exotic sp	pecies observed:					
18. Exotic species	: ☐ present ☑ absent					
Exotic species notes: I	nvasive exotics were mo	re common before the pr	rescribed fire.	Frequent fire will elim	ninate and control invasiv	e exotic plants.
Notes on Restorat	ion:					
19. Notes on the g	eneral aspect of the	site/techniques to n	neet restora	tion goals:		
	I regeneration occurring		and:	✓ species appropria	te supplemental plai	nting/seeding needed
Landscape observation	n: recently burned					
	d: in process of restora	ation		~Tree age: 🗌 0-5	5 yrs. □ 6-10 yrs. ☑ 11-2	20 yrs. □ 20+ yrs.
	mendations for restoration		ed burning	•	other:	
	ribed burning and fi		0			
	s: duff (cm): 0	litter (cm) 2	note: the	re are many dead	stems from subcanopy	v and shrubs on the
	Soil moisture: saturate		ground.	io are many acad	otomo mom odbodnop,	, and emuse emuse
				or adaptive mana	gement techniques:	
Site has been burne	-	•		-	with herbicide. Lands	
	ous groundcover spec				WITH HOLDIOIGE. Lands	cape is open with a
diversity of flerbace	ous groundoover spec	Jos. Allow IIIC to buil	i dologo Gilli	с шпозоаро.		

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Qualitative assessn	nont data s	hoot									
Transect ID: DWPT		oneet .				Dete: 40	/4.2/204.6				
		- D' O			-	Date: 10/		ОТ			
Plant Community T		c Pine Sav				ne (am/pm)					
1. Weather:	✓ Full Sun		☐ Part Su		Cloudy		=	with Rain/Fog			
2. Temperature:	☐ 20-50 F		☐ 51-70 F	-	☑ 71-90 F		91-110	F			
		Restorati	on in Progre	SS							
3. CANOPY % cove	r:	☐ Absent	0-1%	☑ 1-5%	☐ 6-25%	26-50%	☐ 51-75%	☐ 76-100%	D		
4. Estimated height of	lass of the	majority of	TREES u	sing the fol	llowing scal	e:	☐ absent	☐ 3-5m	☐ 6-10m	✓ >10m	
List 6 dominant TREE species observed in canopy:											
1. Pinus elliotti		2. Magnolia virginiana			3. Taxodium ascendens						
4. Nyssa sylva	tica v. biflora			5.			_	6. <u> </u>			•
5. Estimated height of	lass of the	majority of	SUBCAN	OPY using	the followir	ng scale:	absent	☐ 3-5m		☐ >10m	•
			List up to	6 domina	nt SUBCAN	IOPY specie	es observe	d:			
1. Pinus elliotti	i			2. Magnolia	/irginiana		:	3. Taxodium a	ascendens		
4.			_	5.			_	6.			•
6. SHRUBS % cover	r:		Absent	0-1%	☑ 1-5%	6-25%		51-75%	76-100%	6	
			Lis	t 3 domina	nt SHRUB :	species obs	erved:				
1. Myrica cerife	era			2. Gaylussac	ia mosieri	•	:	3. Ilex glabra			
7. Estimated height of	lass of the	majority of	SHRUBS	using the	following sc	ale:	absent	☐ 05m	☑ .6-1.5m	☐ 1.6-3m	•
		List 3	of the mos	st common	SHRUB an	d/or TREE:					
1. Ilex cassine				2. Persea pa	lustris			3. Acer rubrur	n		
8. GROUNDCOVER %	cover of gra	aminoids (gr	asses, sed	ges and rus	hes):						•
		☐ Absent	0-1%	1-5%	6-25%	26-50%	☐ 51-75%	√ 76-100%			
9. TOTAL GROUNDCO	OVER % cov	er (including	g graminoid	ls and forbe	s):						
		☐ Absent	0-1%	1-5%	☐ 6-25%	26-50%	☐ 51-75%	√ 76-100%	,)		
		L	ist up to 9	dominant	GROUNDO	COVER spec	cies observ	/ed:			
1. Juncus roen	narianus			2. Panicum v	virgatum	-	:	3. Vitis rotund	ifolia		
4. Toxicodendr	on radicans			5. Serenoa re	epens			6. Spartina pa	itens		•
7. Cladium jam	naicense			8. Solidago f	istulosa			9. Osmunda r	egalis		•
Lis	st the NATI	/E WEED	or RUDE	RAL speci	ies observe	- otherwise	SEE 18. I	EXOTIC SP	ECIES BE	LOW	
1.				2.				3.			
4.			_	5.			_ (6.			_
Vegetation notes: Native	groundcover	species are r	ecovering. N	Many shrubs r	educed to cop	pice by prescr	ibed fire.				
Much of the fire killed veg	etation is on th	ne ground. It i	s possible th	at the deadfa	III may be burn	ned in the next	prescribed fir	e. This may re	sult in a long	er and hotter fire	e.

Qualitative assess								
Transect ID: DWP	Г6-626			Date: 10/13	3/2016			
	Type: Hydric Pine Sav	vanna						
10. Tree density:	appropriate		Why?:	☐ too dense		☐ too sparse		
11. Tree health:		☐ trees stressed	Why?:	☐ too dense		☐ too wet	other:	
13. Water table:	✓ at the surface	☐ below surface	Sta	nding water:	☑ present	absent		
14. Water color:	☐ tannic ☐ non-tan	nnic/clear 🔲 cloudy	/					
Notes on wildlife ເ								
1. eastern l	oluebirds	2. white to	ailed deer foo	otprints	3	_ catbird		
4. northern	5. Carolin	Carolina wrenbald eagle						
7. osprey		8.			9	-		
17. Wildlife usage	and natural history ob	servations: 🗹 amphi			_		arthropods	
					songs or ca			
				over the open wat	er in distan	ce, fish were see	n in the flooded marsh, birds were	
calling from marshveget	ation and nearby forest, de	er footprints were seen in	the mud.					
Notes on Exotic sp	pecies observed:							
	: ☐ present ☑ absent							
Exotic species notes: I	Frequent fire will eliminat	e and control invasive e	xotic plants.					
Notes on Restorat	ion:							
19. Notes on the g	eneral aspect of the	site/techniques to i	neet restora					
	I regeneration occurring	? ☑ yes ☐ no	and:	species appr	ropriate	☐ supplementa	al planting/seeding needed	
Landscape observatio	n: 🔽 recently burned							
If plante	d: 🗹 in process of restora	ation		~Tree age: [0-5 yrs.	☐ 6-10 yrs. ☐] 11-20 yrs. ☑ 20+ yrs.	
Recom	mendations for restoration	on: 🗹 continue prescrib	ed burning		other	:		
20. Notes on preso	ribed burning and fi	ire conditions:						
Fuel	s: duff (cm): underwate	er litter (cm) 2	note: the	re are many d	lead stem	ns from subcai	nopy and shrubs on the	
	Soil moisture: saturate	<u></u>	ground.					
	Specific note	s on restoration, ob		or adaptive n	nanagen	nent techniqu	ies:	
Site was burned in							ırn across entire landscape.	
Limited regeneration		•						
Ĭ .								