ATTACHMENT A

UMAM Worksheets - Suwannee County

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number
NFRC Phase I					W-ECT-52	A (W-SRF-045)
FLUCCs code	Further classificat	tion (optional)		Impac	ct or Mitigation Site?	Assessment Area Size
630	We	tland Forested M	ixed		Impact	
Basin/Watershed Name/Number A	ffected Waterbody (Clas	ss)	Special Classificati	ion (i.e.0	OFW, AP, other local/state/fede	ral designation of importance)
	Tiger Bay S	wamp				
Geographic relationship to and hydro	logic connection with	wetlands, other s	urface water, upla	nds		
The area is a floodplain wetlan	nd of a tributary of Tige	er Bay. The wetla	and system is loca	ted in	a rural area of Columl	oia County, Florida
Assessment area description						
A floodplain wetland of a tributary o	of Tiger Bay. The syst	tem has a small p	perennial stream ru	unning	ı through the center th	at drained to the north.
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)
N	one				Not unique	
Functions			Mitigation for pre	vious	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feed	ling; sandhill crane feeding; and rept	ile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sedime retention	ent/erosion control; recharge/discharg n/detention.	ge; detrital export; flood			NA	
Anticipated Wildlife Utilization Based on Literal representative of the assessment area and rea			· ·	-	ed Species (List species, the sity of use of the assessme	neir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white ta	wood stork, sandhill crane, ailed deer, and raccoon.	wading birds, snipe,	seasonal), alligator	(FT, for		I), wood stork (FE, foraging, , tricolored heron (T, foraging, ging, long-term).
Observed Evidence of Wildlife Utiliza	tion (List species direc	ctly observed, or	other signs such a	s trac	ks, droppings, casing	s, nests, etc.):
De	eer tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	s, and crows.	
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Stephen R. Florey			5-Nov-18	` '		

Site/Project Name			Application Number		Assessment Area	a Name or Numb	er
	NFRC PI	nase I			W-ECT	-52A (W-SRF-04	5)
Impact or Mitigation			Assessment conducted by:	,	Assessment date	:	
	Impa	ct	Stephen R. Florey	Minimal (4) Minimal level of support of wetland/surface water functions rida and is the drainage tributary of Tiger Bay. The Ath a stream drainage system cutting through the cent not all species. Downstream habitats receive significathere are no major blockages. Bay and displays several hydrological indicaators. The derate flow to the north and water quality appeared to obligate wetland vegetation. Due to lack of developments of the support of the s			
Scoring Guidance	\neg	Optimal (10)	Moderate(7)	Min	imal (4)	Not Prese	nt (0)
The scoring of each indicator is based on w would be suitable for type of wetland or surface water assessed	vhat the	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal lev	vel of support of surface water	provide wetlan	d/surface
.500(6)(a) Location Landscape Supp w/o pres or current 6		small segment of a large	er forested wetland system wit wildlife is optimal for most but	h a stream dr not all specie	rainage system cu s. Downstream h	utting through the abitats receive si	center.
.500(6)(b)Water Environment (n/a for uplands) The assessment area is the drainage tributary of Tiger Bay and displays several hydrological incount the dry season, the stream and wetland have a moderate flow to the north and water quality moderate. Many other hydrological indicators support obligate wetland vegetation. Due to lack surrounding the AA there is low chance of pollution from run off. w/o pres or current with						ater quality appear ue to lack of deve	red to be
.500(6)(c)Community 1. Vegetation an 2. Benthic Comm w/o pres or current 7	d/or	The assessment area is a figure years of age and in good of the second control of the se	condition. Lack of developmer	nt in surround	ling areas allows	for good regenera	ation and
Score = sum of above s (if uplands, divide b current or w/o pres 0.63		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor		or impact assess		
Delta = [with-curr	ent1	If mitigation Time lag (t-factor) (see	e tables) = 1	Fo	or mitigation asses	ssment areas	
-0.17	end	Risk factor (1 - 3, 0.25 increments) =	,	RFG = =	= delta/(t-factor x	risk)	

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number
NFRC Phase I					W-ECT-52	B (W-SRF-045)
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630	We	tland Forested Mi	ixed		Impact	
Basin/Watershed Name/Number A	ffected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	DFW, AP, other local/state/fede	ral designation of importance)
	Tiger Bay S	wamp				
Geographic relationship to and hydro	logic connection with	wetlands, other s	urface water, uplai	nds		
The area is a floodplain wetlar	nd of a tributary of Tige	er Bay. The wetla	and system is loca	ted in a	a rural area of Columl	oia County, Florida
Assessment area description						
A floodplain wetland of a tributary of	of Tiger Bay. The sys	tem has a small p	erennial stream ru	unning	through the center th	at drained to the north.
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)
N	one				Not unique	
Functions			Mitigation for pre	vious p	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feed	ding; sandhill crane feeding; and rept	tile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sediments retention	ent/erosion control; recharge/dischar n/detention.	ge; detrital export; flood			NA	
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and rea			· ·	-	ed Species (List species, the ity of use of the assessme	eir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white to	wood stork, sandhill crane, ailed deer, and raccoon.	wading birds, snipe,	seasonal), alligator	(FT, fora		l), wood stork (FE, foraging, , tricolored heron (T, foraging, jing, long-term).
Observed Evidence of Wildlife Utiliza	tion (List species dire	ctly observed, or	other signs such a	s track	ks, droppings, casings	s, nests, etc.):
De	eer tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	, and crows.	
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Stephen R. Florey			5-Nov-18			

Site/Project Name		Application Number	Assessment	t Area Name or Number	
NFRC PI	nase I		W-	-ECT-52B (W-SRF-045)	
Impact or Mitigation		Assessment conducted by:	Assessment	date:	
Impa	ct	Stephen R. Florey	/	11/5/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)	
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support wetland/surface water functions	of Condition is insufficier	
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	small segment of a large	area of Columbia County Flor er forested wetland system wit wildlife is optimal for most but benefits from this system as t	h a stream drainage syste not all species. Downstrea	m cutting through the center am habitats receive significa	r.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6	out the dry season, the st moderate. Many other hyd	e drainage tributary of Tiger Baream and wetland have a mod drological indicators support of urrounding the AA there is low	derate flow to the north and obligate wetland vegetation	d water quality appeared to ben. Due to lack of developme	be
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	years of age and in good	floodplain wetland of a tributar condition. Lack of developmer atures although present are les	nt in surrounding areas all	ows for good regeneration a	and
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.63 0.46	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor	For impact as	sessment areas = 0.029	
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1	For mitigation a	assessment areas	
-0.17	Risk factor (1 - 3, 0.25 increments) =	,	RFG = delta/(t-facto	or x risk)	

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number
NFRC Phase I					W-ECT-05	7_2 (W-SRF-055)
FLUCCs code	Further classification	tion (optional)		Impac	et or Mitigation Site?	Assessment Area Size
630	We	tland Forested Mi	ixed		Impact	
Basin/Watershed Name/Number Affect	cted Waterbody (Clas	ss)	Special Classificati	ion (i.e.	OFW, AP, other local/state/fede	ral designation of importance)
Geographic relationship to and hydrolog	jic connection with	wetlands, other so	urface water, upla	nds		
The AA is an isolated wetland in a rur	-		ically connected to er Bay W-ECT-052	-	ger wetland system to	the west as well as the
Assessment area description						
The AA is a forested wetland with a por east there is a transmission sub sta	-				-	
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)
Non	e				Not unique	
Functions			Mitigation for pre	vious	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rept	ile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sediment/e retention/det		ge; detrital export; flood			NA	
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reaso					ed Species (List species, the sity of use of the assessme	eir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, wo marsh rabbit, white tailed		wading birds, snipe,	seasonal), alligator	(FT, for		l), wood stork (FE, foraging, , tricolored heron (T, foraging, ging, long-term).
Observed Evidence of Wildlife Utilizatio	n (List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casing	s, nests, etc.):
Deer	tracks, turkey track	ks, racoon tracks,	cardinals, woodpo	eckers	s, and crows.	
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Stephen R. Florey			6-Nov-18			

Site/Project Name		Application Number	Assessmen	nt Area Name or Number			
NFRC	Phase I		W	V-ECT-057_2 (W-SRF-055)			
Impact or Mitigation		Assessment conducted by:	Assessmen	nt date:			
imp	act	Stephen R. Flore	y	11/6/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)			
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of suppo wetland/surface wat functions	ort of Condition is insufficient to			
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	upland forested buffer the retention pondblocking any	y lead to active croplands. To	the east of the AA there AA provides moderate b	the north and south have a small is a transmission sub station and benefits to downstream habitats as beyond the survey area.			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 5	(n/a for uplands) (n/a for upla						
.500(6)(c)Community structur 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 3	The assessment area is a appears near normal. T		nt although less than op	ds. Tree age and size distribution timal. Plant condition appears present.			
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.57 0.4	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	t factor	For impact a	assessment areas 0 = 0.001			
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1	For mitigation	assessment areas			
-0.13	Risk factor (1 - 3, 0.25 increments) =	,	RFG = delta/(t-fac =	ctor x risk)			

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number
NFRC Phase I					W-ECT-05	7_3 (W-SRF-055)
FLUCCs code	Further classifica	tion (optional)		Impac	ct or Mitigation Site?	Assessment Area Size
630	We	etland Forested M	ixed		Impact	
Basin/Watershed Name/Number Affect	L cted Waterbody (Clas	ss)	Special Classificat	ion (i.e.(OFW, AP, other local/state/fede	ral designation of importance)
	, (,		(
Geographic relationship to and hydrolog	ic connection with	wetlands, other s	urface water, upla	nds		
The AA is an isolated wetland in a rur	-		ically connected to er Bay W-ECT-052	-	ger wetland system to	the west as well as the
Assessment area description						
The AA is a forested wetland with a por east there is a transmission sub sta	-				-	
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)
Non	e				Not unique	
Functions			Mitigation for pre	vious	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rept	tile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sediment/e retention/det		rge; detrital export; flood			NA	
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reaso					ed Species (List species, the sity of use of the assessme	eir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, wo marsh rabbit, white tailed		, wading birds, snipe,	seasonal), alligator	(FT, for		l), wood stork (FE, foraging, , tricolored heron (T, foraging, ging, long-term).
Observed Evidence of Wildlife Utilizatio	n (List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casing	s, nests, etc.):
Deer	tracks, turkey track	ks, racoon tracks,	cardinals, woodpo	eckers	s, and crows.	
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Stephen R. Florey			6-Nov-18			

Site/Project Name		Application Number	Assessment A	Area Name or Number			
NFRC	Phase I		W-E	ECT-057_3 (W-SRF-055)			
Impact or Mitigation		Assessment conducted by:	Assessment of	date:			
im	pact	Stephen R. Flore	у	11/6/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)			
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support wetland/surface water functions	of Condition is insufficient to			
.500(6)(a) Location and Landscape Support w/o pres or current with	upland forested buffer the retention pondblocking any it is hydrological	y lead to active croplands. To	the east of the AA there is AA provides moderate ber	e north and south have a small a transmission sub station and nefits to downstream habitats as yond the survey area.			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with	(n/a for uplands) The AA displays several distinct hydrologic features such as inundation, saturation, and a high water table. The hydrologically connected to a series of small water bodies as well as a larger wetland system both to the west the east. Flows appear appropriate to support obligate wetland species. No indication of water quality degraded based on the suite of specie present, however, stormwater runoff from nearby crop fields is a potential source untreated runoff inputs to the system.						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 3	The assessment area is a appears near normal. T	forested wetland system that is opographic features are prese enerally good and there are no	ent although less than optin				
Score = sum of above scores/3 (if uplands, divide by 20) current or w/o pres with 0.57 0.60	Preservation adjustment (0 - 1, 0.1 increments) =	t factor	For impact ass FL = 0.13 x 0.086 =	sessment areas - 0.011			
Delta = [with-current]	If mitigation Time lag (t-factor) (se	e tables) = 1	For mitigation a	ssessment areas			
-0.13	Risk factor (1 - 3, 0.25 increments) =	,	RFG = delta/(t-facto	or x risk)			

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number	
NFRC Phase I					W-ECT-06	0_1 (W-SRF-058)	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested M	ixed		Impact		
Basin/Watershed Name/Number A	ffected Waterbody (Clas	ss)	Special Classificati	ation (i.e.OFW, AP, other local/state/federal designation of importance)			
Geographic relationship to and hydro	ologic connection with	wetlands, other s	<u>I</u> urface water, uplai	nds			
The AA is an isolated wetland in a	•		cally connected to er Bay W-ECT-052	_	er wetland system to	the south as well as the	
Assessment area description							
The assessment area is a mature connected via several streams and							
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
N	lone				Not unique		
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird fee	ding; sandhill crane feeding; and rep	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sedim retention	ent/erosion control; recharge/dischar n/detention.	ge; detrital export; flood			NA		
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and re			· ·	-	ed Species (List species, the sity of use of the assessment	eir legal classification (E, T, nt area)	
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white t	wood stork, sandhill crane, ailed deer, and raccoon.	, wading birds, snipe,	seasonal), alligator	(FT, for		l), wood stork (FE, foraging, , tricolored heron (T, foraging, ging, long-term).	
Observed Evidence of Wildlife Utiliza	ition (List species dire	ctly observed, or	other signs such a	ıs tracl	ks, droppings, casings	s, nests, etc.):	
De	eer tracks, turkey tracl	ks, racoon tracks,	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			6-Nov-18				

Site/Project Name		Application Number	Assessment A	Area Name or Number			
NFRC P	hase I		W-E	ECT-060_1 (W-SRF-058)			
Impact or Mitigation		Assessment conducted by:	Assessment of	date:			
Impa	act	Stephen R. Flore	у	11/6/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)			
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support wetland/surface water functions	of Condition is insufficient to			
.500(6)(a) Location and Landscape Support w/o pres or current with 6	system that offers optimal	ocated in a rural area of Colum support for most wildlife but n ich allow for easy access to la	ot all species. The surroun	iding uplands are undeveloped			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with	The AA displays several distinct hydrologic features such as inundation, saturation, and a high water table. The hydrologically connected to a series of small water bodies as well as a larger wetland system both to the south eventually west to the Tiger Bay floodplain. Flows appear appropriate to support obligate wetland species. No indication of water quality degradation based on the suite of specie present.						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	The assessment area is a age and size distribution ap		hic features are present al	ped herbaceous uplands. Tree though less than optimal. Plant species present.			
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.63 0.46	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	For impact ass	sessment areas 0.012			
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1	For mitigation a	ssessment areas			
-0.17	Risk factor (1 - 3, 0.25 increments) =	,	RFG = delta/(t-facto	or x risk)			

Site/Project Name		Application Number	er		Assessment Area Nam	e or Number
NFRC Phase 1					W-ECT-06	7A (W-MJS-008)
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size
617	Mixe	d Wetland Hardw	oods		Impact	
Basin/Watershed Name/Number A	ffected Waterbody (Clas	s)	Special Classificat	ion (i.e.0	DFW, AP, other local/state/fede	eral designation of importance)
Geographic relationship to and hydro	logic connection with	wetlands, other s	ı urface water, upla	nds		
This Forested Wetland is part of a la	arger NWI system that ansmission line ROW				•	y area encompasses an
Assessment area description						
This wetland is characterized as fore may have affected natural drainage				-	-	-
Significant nearby features			Uniqueness (consid	ering the	e relative rarity in relation t	o the regional landscape.)
N	one				Not Unique	
Functions			Mitigation for pre	vious	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feed	ding; sandhill crane feeding; and rept	ile (snake) feeding			•	
PHYSICAL/CHEMICAL: Water quality treatment; sediments retention	ent/erosion control; recharge/dischar n/detention.	ge; detrital export; flood				
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and rea					ed Species (List species, the sity of use of the assessme	neir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white ta	wood stork, sandhill crane, ailed deer, and raccoon.	wading birds, snipe,	seasonal), alligator	(FT, for		al), wood stork (FE, foraging,), tricolored heron (T, foraging, ging, long-term).
Observed Evidence of Wildlife Utiliza	tion (List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casing	s, nests, etc.):
		Deer Tra	icks			
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	5(8).		
Michael Savage / David Flake ECT I	nc.		6-Nov-18	·(U).		
Innonaci carago / David i lako LOT II			0 1101 10			

Site/Project Name		Application Number		Assessment Area	a Name or Numbe	er
NFRC F	hase 1					08)
Impact or Mitigation		Assessment conducted by:		Assessment date):	
Imp	act	Michael Savage / David Flak	ke ECT Inc.		11/6/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Mi	nimal (4)	Not Preser	nt (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	wetland	evel of support of /surface water unctions	Condition is insu provide wetland water func	d/surface
.500(6)(a) Location and Landscape Support w/o pres or current with 7	wetland habitats by a perenr from this wetland are not lin Wildlife access is partially lin	part of a larger forested wetlar nial stream. The system provio nited by flow impediments, and mited to the south by Interstate onversion from forested to her	des moderated likely provies 10, but is n	e benefits for mos ide moderate bene not limited to/from t	t wildlife species. I efits to downstrear the N/E/W. No inv	Discharges n habitats. vasive flora
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6	muck presence). Natural flow patterns are somewhat altered due to a single bridge under Interstate 10 which resulted in channelized flow south of the assessment area. Flows appear appropriate to support obligate were species and the development of mucky soils. No indication of water quality degradation based on the suite of spresent. No adverse changes in the water environment are expected with the conversion to herbaceous with					
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	Area is dominated by canop size distribution is near not near optimal with the preser	by (Nyssa) and sub-canopy sp rmal for a mixed hardwood sw nce of vertical heterogeneity s s will remove structural habitat	amp. No invupporting a	asive flora presen diversity of specie	t. Topographic feast throughout. Cor	atures are
Score = sum of above scores/30	If preservation as mitig	gation.		For impact assess	sment areas	
(if uplands, divide by 20) current or w/o pres with 0.67 0.5	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		delta x acres = 0.		
0.0	J					
	If mitigation		F	or mitigation asse	ssment areas	
Delta = [with-current]	Time lag (t-factor) (see	e tables) = 1		= delta/(t-factor x		
-0.17	Risk factor (1 - 3, 0.25 increments) =	1	=	- dolla/(t-lactor X	HOK)	

Site/Project Name		Application Number	er	Assessment Area Name or Number			
NFRC Phase 1					W-ECT-06	7B (W-MJS-008)	
FLUCCs code	Further classification	tion (optional)		Impac	ct or Mitigation Site?	Assessment Area Size	
617	Mixe	d Wetland Hardw	oods		Impact		
Basin/Watershed Name/Number Af	fected Waterbody (Clas	s)	Special Classificati	ion (i.e.0	OFW, AP, other local/state/fede	ral designation of importance)	
Geographic relationship to and hydro	logic connection with	wetlands, other s	urface water, upla	nds			
This Forested Wetland is part of a la existing tra	rger NWI system that ansmission line ROW				•	y area encompasses an	
Assessment area description							
This wetland is characterized as fores may have affected natural drainage	-			-	-	-	
Significant nearby features			Uniqueness (consid	ering the	e relative rarity in relation t	the regional landscape.)	
N	one				Not Unique		
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feed	ing; sandhill crane feeding; and rept	ile (snake) feeding			•		
PHYSICAL/CHEMICAL: Water quality treatment; sedime retention	nt/erosion control; recharge/dischard/detention.	ge; detrital export; flood					
Anticipated Wildlife Utilization Based on Literat representative of the assessment area and rea					ed Species (List species, the sity of use of the assessment	neir legal classification (E, T, nt area)	
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white ta	wood stork, sandhill crane, iiled deer, and raccoon.	wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utiliza	tion (List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casing	s, nests, etc.):	
		Deer Tra	icks				
Additional relevant factors:							
None							
			IA	· / = \ :			
Assessment conducted by:	_		Assessment date	e(S):			
Michael Savage / David Flake ECT Ir	IC.		6-Nov-18				

Site/Project Name		Application Number		Assessment Area	a Name or Numbe	r
NFRC I	Phase 1			W-ECT	-067B (W-MJS-00	08)
Impact or Mitigation		Assessment conducted by:		Assessment date:		
Imp	pact	Michael Savage / David Flake ECT Inc. 11/6/2018			11/6/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Mir	nimal (4)	Not Preser	nt (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	wetland/	level of support of d/surface water functions Condition is ins		d/surface
.500(6)(a) Location and Landscape Support w/o pres or current with 7	wetland habitats by a perent from this wetland are not lin Wildlife access is partially lin	part of a larger forested wetlar nial stream. The system provio mited by flow impediments, and mited to the south by Interstate onversion from forested to her	des moderated likely provided 10, but is not the 10	e benefits for mos de moderate bene ot limited to/from	t wildlife species. I efits to downstrear the N/E/W. No inv	Discharges n habitats. vasive flora
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6	muck presence). Natural f resulted in channelized flo species and the developme	tors present (presence of surfa flow patterns are somewhat alt bw south of the assessment are ent of mucky soils. No indicatio changes in the water environm	ered due to a ea. Flows ap n of water qu	a single bridge un pear appropriate uality degradation	der Interstate 10 v to support obligate based on the suite	which has wetland of specie
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	Area is dominated by canop size distribution is near no near optimal with the prese	py (Nyssa) and sub-canopy sp ormal for a mixed hardwood sw ence of vertical heterogeneity s s will remove structural habitat	amp. No invalupporting a c	asive flora presen diversity of specie	it. Topographic fea s throughout. Cor	atures are
Score = sum of above scores/30	If preservation as mitig	gation,		For impact assess	sment areas	
(if uplands, divide by 20) current or w/o pres with 0.67 0.5	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	t factor		delta x acres = 0.		
	_					
	If mitigation		For mitigation assessment areas			
Delta = [with-current]	Time lag (t-factor) (see	,	RFG:	= delta/(t-factor x	risk)	
-0.17	Risk factor (1 - 3, 0.25 increments) =	1	=	(- /	

Site/Project Name		Application Number	er	Assessment Area Name or Number			
NFRC Phase 1					W-ECT-06	8 (W-MJS-009)	
FLUCCs code	Further classification	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
617	Mixe	d Wetland Hardw	oods		Impact		
Basin/Watershed Name/Number	Affected Waterbody (Clas	s)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/fede	ral designation of importance)	
Geographic relationship to and hydro	ologic connection with	wetlands, other s	urface water, upla	nds			
This Forested Wetland is an isolated partially en	d wetland that appears compasses an existing		•	_	•	-	
Assessment area description							
This wetland is characterized as ar Interstate	n isolated forested hard to the south of the sur					upland hardwoods. The	
Significant nearby features			Uniqueness (consid	ering the	e relative rarity in relation to	the regional landscape.)	
١	None				Not Unique		
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird fee	eding; sandhill crane feeding; and rept	ile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sedim retention	nent/erosion control; recharge/dischar on/detention.	ge; detrital export; flood					
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and re					ed Species (List species, the distribution of use of the assessme	neir legal classification (E, T, nt area)	
Salamanders, newts, toads, frogs, white ibis marsh rabbit, white	, wood stork, sandhill crane, tailed deer, and raccoon.	wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utiliza	ation (List species dire	ctly observed, or	other signs such a	s tracl	ks, droppings, casing	s, nests, etc.):	
		Deer Tra	icks				
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Michael Savage / David Flake ECT I	nc.		7-Nov-18				

Site/Project Name			Application Number		Assessment Area	a Name or Numbe	r	
	NFRC P	nase 1			W-ECT	W-ECT-068 (W-MJS-009)		
Impact or Mitigation			Assessment conducted by:		Assessment date) :		
	Impa	act	Michael Savage / David Flake ECT Inc. 11/7/2018					
Sporing Cuidongo		Optimal (10)	Moderate(7)	l M:	nimal (4)	Not Preser	st (0)	
Scoring Guidance The scoring of each indicator is based on w would be suitable for t type of wetland or surfawater assessed	/hat :he	Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions Minimal (4) Minimal (4) Minimal (4) Minimal (4) Minimal (4)			Condition is insu provide wetland water func	ufficient to	
.500(6)(a) Location Landscape Supp w/o press or current 5		to the east. The wetlar constrictions result in prov	isolated forested system that nd is bordered to the north by p viding only minimal access for n from forested to herbaceous	pasture land most wildlif	I and to the south le species. No invented in the species in the s	by interstate 10. T asive flora were ol	hese	
.500(6)(b)Water Environment (n/a for uplands) Natural flow patterns are somewhat altered due to Interstate 10 which inhibits a direct flow south of the assessr area. Flows appear appropriate to support obligate wetland species. Some indication of water quality degradate based on the suite of specie present, possibly due to surrounding fields and interstate run off. No adverse charming the water environment are expected with the conversion to herbaceous w/o pres or current with 5							gradation	
.500(6)(c)Community 1. Vegetation and 2. Benthic Community w/o pres or current	d/or	Area is dominated by canopy and size distribution is neal are near optimal with the pre	y (Quercus) with a moderate s r normal for a mixed hardwood esence of vertical heterogeneit us will remove structural habita	d swamp. No y supporting	o invasive flora pro g a diversity of spe	esent. Topographic ecies throughout. (c features	
Score = sum of above s (if uplands, divide by current or w/o pres 0.5		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		For impact assess delta x acres = 0.			
Delta = [with-curr	ent]	If mitigation Time lag (t-factor) (see	ŕ		or mitigation asse			
-0.1		Risk factor (1 - 3, 0.25 increments) =	1	=	,	ŕ		

Site/Project Name		Application Numbe	er		Assessment Area Nam	e or Number
NFRC Phase 1					W-ECT-06	9 (W-MJS-010)
FLUCCs code	Further classificati	on (optional)		Impac	t or Mitigation Site?	Assessment Area Size
617	Mixed	d Wetland Hardw	oods		Impact	
Basin/Watershed Name/Number Aff	ected Waterbody (Class	s)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/fede	ral designation of importance)
Geographic relationship to and hydrolo	ogic connection with w	vetlands, other su	urface water, uplai	nds		
This Forested Wetland is an isolated abuts th	wetland that does not e ROW for Interstate					stems. The Survey area
Assessment area description						
This wetland is characterized as an is 10. The	colated forested hardw Interstate to the south	•		•	•	o the south by Interstate
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)
No	ne				Not Unique	
Functions			Mitigation for pre	vious p	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feedin	g; sandhill crane feeding; and reptile	e (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sediment retention/c		e; detrital export; flood				
Anticipated Wildlife Utilization Based on Literatu representative of the assessment area and reas					ed Species (List species, the ity of use of the assessme	neir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, w marsh rabbit, white tail		wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term).			
Observed Evidence of Wildlife Utilizati	on (List species direc	tly observed, or	other signs such a	s tracl	ks, droppings, casing	s, nests, etc.):
		Deer Tra	cks			
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	7(6).		
Michael Savage / David Flake ECT Inc	3		7-Nov-18	,(J).		
Innonaci Cavage / David Hake LOT III	J.		1, 1404-10			

Site/Project Name			Application Number		Assessment Area	a Name or Number	•	
NF	FRC Ph	ase 1			W-ECT	-069 (W-MJS-010))	
Impact or Mitigation			Assessment conducted by:		Assessment date	ssessment date:		
	Impa	ct	Michael Savage / David Flake ECT Inc.			11/7/2018		
Scoring Guidance	7 I	Optimal (10)	Moderate(7)	l Mi	inimal (4)	Not Present	t (0)	
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed		Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions		Condition is insu provide wetland water functi	fficient to	
.500(6)(a) Location and Landscape Support w/o press or current		surrounding systems. The These constrictions res	an isolated forested system that wetland is bordered to the noult in providing only minimal acterision from forested to herbacters.	orth by active	e crop land and to ost wildlife species	the south by inters s. No invasive flora	tate 10.	
.500(6)(b)Water Environment (n/a for uplands) Distinct hydrologic indicators present (presence of surface water, high water table, stained leaves, water many Natural flows patterns are significantly altered due to active fields to the North and Interstate 10 to the south Hydrology appears appropriate to support obligate wetland species. No indication of water quality degradation on the suite of specie present, however, stormwater runoff from the roadside ditch is a likely source of untreasurement with the conversion herbaceous							south. tion based ntreated	
.500(6)(c)Community str	ucture							
Vegetation and/o 2. Benthic Communit w/o pres or current 6		dominated herbaceous stra flora present. Topographic fe	anopy (Liquidambar, Salix) wi tumage and size distribution eatures are moderate with the eversion to herbaceous will rer spe	is near nor	mal for a mixed ha f vertical heteroge	rdwood swamp. No	o invasive diversity of	
Score = sum of above scor (if uplands, divide by 20 current or w/o pres		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	FL =	For impact assess delta x acres = 0.			
		If mitigation			or mitigation asse	ssment areas		
Delta = [with-current	t]	Time lag (t-factor) (see	e tables) = 1					
-0.14		Risk factor (1 - 3, 0.25 increments) =	1	RFG =	= delta/(t-factor x	risk)		

Site/Project Name	Application Number	er	Assessment Area Name or Number				
NFRC Phase 1				W-ECT-07	1 (W-MJS-012)		
FLUCCs code	Further classification (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
617	Mixed Wetland Hardw	voods		Impact			
Basin/Watershed Name/Number Affect	ed Waterbody (Class)	Special Classificati	on (i.e.C	DFW, AP, other local/state/fede	ral designation of importance)		
Geographic relationship to and hydrologi	c connection with wetlands, other s	urface water, upla	nds				
This forested wetland is a line	ar system of hydrologically connect	ed wetland feature	s surr	ounding a stream flov	ving southeast.		
Assessment area description							
This wetland is characterized as a forest separate the wetland feature from	sted hardwood swamp that presumation active crop fields to the north. T			-	•		
Significant nearby features		Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)		
None		Not Unique					
Functions		Mitigation for pre	vious	permit/other historic u	se		
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter	sion control; recharge/discharge; detrital export; flood						
Anticipated Wildlife Utilization Based on Literature I representative of the assessment area and reasonate	•	·	-	ed Species (List species, the sity of use of the assessme	neir legal classification (E, T, nt area)		
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).					
Observed Evidence of Wildlife Utilization	(List species directly observed, or	other signs such a	s tracl	ks, droppings, casing	s, nests, etc.):		
	Deer Tracks, Aq	uatic Fauna					
Additional relevant factors:							
None							
Assessment conducted by:		Assessment date	e(s):				
Michael Savage / David Flake ECT Inc.		8-Nov-18	(-) -				

Site/Project Name			Application Number		Assessment Area Name or Number		
	NFRC P	nase 1			W-EC	T-071 (W-MJS-01	2)
Impact or Mitigation			Assessment conducted by:		Assessment date	e :	
	Impa	nct	Michael Savage / David Flake ECT Inc. 11/8/2018				
Scoring Guidance	\neg	Optimal (10)	Moderate(7)	Mi	nimal (4)	Not Preser	nt (0)
The scoring of each indicator is based on w would be suitable for type of wetland or surf water assessed	vhat the	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal le	evel of support of l/surface water unctions	Condition is insu provide wetland water func	d/surface
.500(6)(a) Location Landscape Supp w/o press or current 6		to the north by a mix of de active crop lands that would	linear forested wetland system ense upland pine forest and m I be beneficial to wildlife utiliza h accessible and hydrologicall not significantly a	ixed hardwo tion. With th y connected	ood wetlands. This be exception of the I. Conversion fron	provides a buffer Interstate ROW to	from the o the south
.500(6)(b)Water Envi (n/a for upland w/o pres or current 6		Natural flows patterns are s connection remains with Hydrology appears appropri on the suite of specie prese	ors present (presence of surfa somewhat altered due to the Ir n the surrounding network of w ate to support obligate wetland ent, however, stormwater runo m. No adverse changes in the herba	nterstate RC vetlands and d species. N ff from the r	bW to the south, ho d streams the east lo indication of wa oadside ditch is a	owever a strong hy of the assessmen ter quality degrada possible source of	drological t area. ation based untreated
.500(6)(c)Community 1. Vegetation an 2. Benthic Comm w/o pres or current 6	d/or	Area is dominated by cand herbaceous stratumag present. Topographic feat	opy (Liquidambar, Acer, Pinus) e and size distribution is near tures are moderate with the pr nversion to herbaceous will rei spe	normal for a esence of v	a mixed hardwood ertical heterogene	swamp. No invasi	ve flora versity of
Score = sum of above s (if uplands, divide b current or w/o pres 0.6		If preservation as mitigeness of the preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	FL =	For impact assess delta x acres = 0.		
Delta = [with-curr	ent1	If mitigation Time lag (t-factor) (see	e tables) = 1	F	or mitigation asse	essment areas	
-0.13	ond	Risk factor (1 - 3, 0.25 increments) =	,	RFG =	= delta/(t-factor x	risk)	

Site/Project Name		Application Number	r		Assessment Area Nan	e or Number
•		Application Number	•1	ľ		
NFRC Phase 1					W-ECT-07	3_1 (W-MJS-014)
FLUCCs code	Further classification	tion (optional)		Impact	or Mitigation Site?	Assessment Area Size
617	Mixe	d Wetland Hardw	oods		Impact	
Basin/Watershed Name/Number	Affected Waterbody (Clas	s)	Special Classificati	on (i.e.C	PFW, AP, other local/state/fed	eral designation of importance)
Geographic relationship to and hydro	ologic connection with	wetlands, other si	ı urface water, uplar	nds		
This forested wetland is a small p	art of an isolated syste appear to be hydro		•	•	•	NWI wetland does not
Assessment area description						
This wetland is characterized as a f system that is surrounded to the						
Significant nearby features			Uniqueness (conside	ering the	relative rarity in relation t	o the regional landscape.)
١				Not Unique		
Functions			Mitigation for prev	vious p	permit/other historic เ	ISE
BIOLOGICAL: Amphibian breeding; wading bird fee	eding; sandhill crane feeding; and rept	ile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sedin retenti	nent/erosion control; recharge/dischargon/detention.	ge; detrital export; flood				
Anticipated Wildlife Utilization Based on Literare representative of the assessment area and re				-	ed Species (List species, t ity of use of the assessme	neir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis marsh rabbit, white	, wood stork, sandhill crane, tailed deer, and raccoon.	wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).			
Observed Evidence of Wildlife Utiliz	ation (List species dire	ctly observed, or	other signs such a	s track	s, droppings, casing	s, nests, etc.):
		None				
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Michael Savage / David Flake ECT	nc.		8-Nov-18			

Site/Project Name		Application Number		Assessment Area	a Name or Numbe	r	
1	Phase 1			W-ECT	W-ECT-073_1 (W-MJS-014)		
Impact or Mitigation		Assessment conducted by:		Assessment date		·	
· · · · · · · · · · · · · · · · · · ·	pact	Michael Savage / David Flak	ce ECT Inc.		11/8/2018		
Cooring Cuidanas	Optimal (10)	Moderate(7)	NA:	nimal (4)	Not Droom	ot (0)	
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	The scoring of each licator is based on what buld be suitable for the be of wetland or surface Condition is optimal and fully supports wetland/surface water functions Condition is optimal and fully supports wetland, wetland wetland			nimal (4) evel of support of /surface water unctions	Not Preser Condition is insuprovide wetland water func	ufficient to d/surface	
.500(6)(a) Location and Landscape Support w/o press or current with	wetland feature is bordere wildlife. The feature is bord The assessment area is redownstream habitats	s part of a larger wetland mappe ed to the north, west and east by dered to the south by a small fo not hydrologically connect to su s. Conversion from forested to h	y active crop rested uplar rrounding ar	o land making it or nd buffer before re reas and therefor o	nly moderately acc eaching the Interst does not provide b	essible to ate ROW. penefit for	
.500(6)(b)Water Environment (n/a for uplands) Distinct hydrologic indicators present (high water table, stained leaves, muck presence). There does not be any hydrological connection to surrounding areas, however hydrology appears appropriate to suppose wetland species. No indication of water quality degradation based on the suite of specie present, he stormwater runoff from the roadside ditch is a possible source of untreated runoff inputs to the system. changes in the water environment are expected with the conversion to herbaceous						t obligate vever,	
.500(6)(c)Community structured. 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 3	Area is dominated by can regeneration and recruitm	nopy (Nyssa, Acer) with no sub- nent. No invasive flora present. but promote existing	Conversion	ı to herbaceous wi			
Score = sum of above scores/3 (if uplands, divide by 20) current or w/o pres with 0.53 0.	Preservation adjustmen (0 - 1, 0.1 increments) = Adjusted mitigation de	nt factor =		For impact assess			
Delta = [with-current]	If mitigation Time lag (t-factor) (se	pe tables) = 1	F	or mitigation asse	essment areas		
Delta = [with-current] -0.13 Time lag (t-factor) (see tables) = 1 Risk factor (1 - 3, 0.25							

	1.					
Site/Project Name	P	Application Numbe	r		Assessment Area Nam	e or Number
NFRC Phase 1					W-ECT-07	4A (W-MJS-015)
FLUCCs code	Further classification	on (optional)		Impac	t or Mitigation Site?	Assessment Area Size
617	Mixed	d Wetland Hardw	oods		Impact	
Basin/Watershed Name/Number Affect	L ted Waterbody (Class	3)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/fede	eral designation of importance)
	, (,		(,
Geographic relationship to and hydrolog	ic connection with w	vetlands, other su	urface water, upla	nds		
This forested wetland is part of a mucl	h larger NWI wetlan nd under a bridged		•			area drains through the
Assessment area description						
This wetland is characterized as a fore wetland	ested hardwood swa d flow is channelized	•				to Suwannee lake. The
Significant nearby features			Uniqueness (consid	ering the	e relative rarity in relation t	o the regional landscape.)
Suwannee	Lake				Not Unique	
Functions			Mitigation for pre	vious i	permit/other historic u	se
BIOLOGICAL: Amphibian breeding; wading bird feeding; s	andhill crane feeding; and reptile	e (snake) feeding	l l l l l l l l l l l l l l l l l l l	viouo į		
PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete	osion control; recharge/discharge					
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reason					ed Species (List species, t ity of use of the assessme	neir legal classification (E, T, nt area)
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		wading birds, snipe,	seasonal), alligator	(FT, for		al), wood stork (FE, foraging,), tricolored heron (T, foraging, ging, long-term).
Observed Evidence of Wildlife Utilization	(List species direct	tly observed, or o	other signs such a	s tracl	ks, droppings, casing	s, nests, etc.):
	Deer tracks, Sna	ike sighting, Opo	ssum holes, Aqua	atic wild	dlife	
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Michael Savage / David Flake ECT Inc.			8-Nov-18			

Site/Project Name			Application Number		Assessment Area	a Name or Numbe	er
NFF	RC Ph	ase 1			W-ECT-074A (W-MJS-015)		
Impact or Mitigation			Assessment conducted by:		Assessment date	:	
	Impa	ot	Michael Savage / David Flak	e ECT Inc.		11/8/2018	
Scoring Guidance		Optimal (10)	Moderate(7)	NA:	nimal (4)	Not Preser	at (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	The scoring of each dicator is based on what would be suitable for the pe of wetland or surface Condition full wetland		Condition is less than optimal, but sufficient to maintain most wetland/surface water functions Minimal level of support of wetland/surface water functions		vel of support of /surface water	Condition is insu provide wetland water func	ufficient to d/surface
.500(6)(a) Location and Landscape Support w/o press or current 7	d with 6	large wetland system end despite channelization unde moderate to optimal wildlife south of the interstate. The	art of a larger wetland mapped compasses a stream and mair er the interstate. The assessm utilization. This stream wetlar e wetland system is surrounde e. Conversion from forested to	ntains strong ent area is a nd network o d by upland	y hydrologic conne a small portion of a connects to large v forests and the o	ection up and down a larger system th waterbodies to the nly main impedime	nstream at provide north and
Distinct hydrologic indicators present (surface water, high water table, stained leaves, aquatic fauna). There is strong hydrological connection throughout the entire system to the surrounding water bodies. The system dra south from a network of streams, wetlands and water bodies, ultimately draining into Suwannee Lake. Strong hydrology supports obligate wetland species both flora and fauna. No indication of water quality degradation be on the suite of specie present, however, stormwater runoff from the roadside ditch is a possible source of untre runoff inputs to the system. No adverse changes in the water environment are expected with the conversion herbaceous							m drains Strong tion based funtreated
		herbaceous stratummodera	y (Nyssa, Carpinus, Quercus) ate level of recruitment and re nd. No invasive flora present. but promote existing	generation of Conversion	evident. Age and so to herbaceous w	size distribution is	typical of a
Score = sum of above score (if uplands, divide by 20) current or w/o pres		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor		For impact assess delta x acres = 0.	sment areas 17x0.205 = 0.035	
Delta = [with-current]		If mitigation Time lag (t-factor) (see	e tables) = 1	F	or mitigation asse	essment areas	
-0.17		Risk factor (1 - 3, 0.25 increments) =	ŕ	RFG =	= delta/(t-factor x	risk)	

	1						
Site/Project Name Application Number			ber Assessment Area Name or Number				
NFRC Phase 1					W-ECT-07	4B (W-MJS-015)	
FLUCCs code	Further classificati	on (optional)		Impac	et or Mitigation Site?	Assessment Area Size	
617	Mixed	d Wetland Hardw	oods		Impact		
Basin/Watershed Name/Number Affect	L ted Waterbody (Class	<u> </u>	Special Classificati	ion (i.e.(OFW, AP, other local/state/fede	eral designation of importance)	
7	iou iruioreey (eluce	·/	Openial Classificati			na. coognation of importance,	
Geographic relationship to and hydrolog	ic connection with w	vetlands, other su	urface water, uplai	nds			
This forested wetland is part of a mucl	h larger NWI wetlan nd under a bridged		•			area drains through the	
Assessment area description							
This wetland is characterized as a fore wetland	ested hardwood swadd flow is channelized	•				to Suwannee lake. The	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation t	o the regional landscape.)	
Suwannee		Not Unique					
Functions			Mitigation for pre	vious i	permit/other historic u	ise	
BIOLOGICAL: Amphibian breeding; wading bird feeding; s	andhill crane feeding; and reptile	e (snake) feeding			•		
PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete		e; detrital export; flood					
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reason					ed Species (List species, t sity of use of the assessme	neir legal classification (E, T, nt area)	
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utilization	(List species direc	tly observed, or o	other signs such a	s trac	ks, droppings, casing	s, nests, etc.):	
	Deer tracks, Sna	ıke sighting, Opo	ssum holes, Aqua	atic wile	dlife		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Michael Savage / David Flake ECT Inc.	8-Nov-18						

Site/Project Name			Application Number		Assessment Area	a Name or Number		
	NFRC Phase 1				W-ECT-074B (W-MJS-015)			
Impact or Mitigation			Assessment conducted by:	Assessment date):			
	Impa	ct	Michael Savage / David Flak	vage / David Flake ECT Inc. 11/8/2018				
Scoring Guidance	\neg	Optimal (10)	Moderate(7)	l Mi	inimal (4)	Not Present	(0)	
The scoring of each indicator is based on w would be suitable for t type of wetland or surfa water assessed	hat he	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support o wetland/surface water functions		Condition is insuf provide wetland/ water function	ficient to surface	
.500(6)(a) Location Landscape Supp w/o press or current 7		large wetland system en despite channelization und moderate to optimal wildlife south of the interstate. Th	part of a larger wetland mapped compasses a stream and mair er the interstate. The assessm e utilization. This stream wetlar e wetland system is surrounde e. Conversion from forested to	ntains strong nent area is nd network o ed by upland	g hydrologic conne a small portion of connects to large v d forests and the o	ection up and downs a larger system that waterbodies to the n nly main impedimer	stream t provide north and	
.500(6)(b)Water Envir (n/a for uplands w/o pres or current	hydrology supports obligate wetland species both flora and fauna. No indication of water quality degrada on the suite of specie present, however, stormwater runoff from the roadside ditch is a possible source of runoff inputs to the system. No adverse changes in the water environment are expected with the convergence.						n drains Strong on based untreated	
.500(6)(c)Community 1. Vegetation and 2. Benthic Community w/o pres or current 7	d/or	Area is dominated by canop herbaceous stratummodel	d by canopy (Nyssa, Carpinus, Quercus) with minimal sub-canopy species and a moderate ummoderate level of recruitment and regeneration evident. Age and size distribution is typ urbed wetland. No invasive flora present. Conversion to herbaceous will remove structural here. but promote existing understory species.					
Score = sum of above s (if uplands, divide by current or w/o pres		If preservation as mition Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	FL =	For impact assess delta x acres = 0.7			
Dolto – Ivith o	ont ¹	If mitigation	o tablas) – 1	F	For mitigation asse	essment areas		
Delta = [with-curron-0.17	enij 	Time lag (t-factor) (sec Risk factor (1 - 3, 0.25 increments) =	REG = delta/(t-factor x risk)					

Site/Project Name Application Number			ber Assessment Area Name or Number				
NFRC Phase I					W-ECT-07	6 (W-SRF-071)	
FLUCCs code	Further classification	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	xed		Impact		
Basin/Watershed Name/Number Affect	 ted Waterbody (Clas	ss)	Special Classificati	ion (i.e.0	OFW, AP, other local/state/fede	ral designation of importance)	
	• • • • • • • • • • • • • • • • • • • •	,		,		. ,	
Geographic relationship to and hydrolog	ic connection with	wetlands, other s	urface water, upla	nds			
The AA is a depressional wetland locate		e of Interstate Hig nd the highway an	•	eives s	stormwater run off fror	n the adjacent truck stop	
Assessment area description							
The assessment area is depressiona interstate 10			•		sy truck stop gas stationarby developments.	on and to the south by	
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)	
None	Not unique						
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rept	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/er retention/dete		ge; detrital export; flood	NA				
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reasor			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed	wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).					
Observed Evidence of Wildlife Utilization	n (List species dire	ctly observed, or	other signs such a	s trac	ks, droppings, casing	s, nests, etc.):	
Deer	tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	s, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey		7-Nov-18					

Site/Project Name		Application Number	/	Assessment Area	Name or Number	
NFRC Phase I	NFRC Phase I			W-ECT-076 (W-SRF-071)		
Impact or Mitigation	A	Assessment conducted by: Assessment date:				
Impact		Stephen R. Flore	lorey 11/7/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Min	imal (4)	Not Present (0)	
The scoring of each indicator is based on what	ndition is optimal and fully supports etland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions		Condition is insufficien provide wetland/surfa water functions	
fragm	nented and subject to hig	e northwest by a major truck h traffic areas. Minimal supp restern edge of the wetland.	port is provide	ed for wildlife fron	n outside habitats. The n	
wate	er quality degradation bas tion parking lot is a likely	ologic indicators sufficient to sed on the suite of specie pr source of untreated runoff i unctionality of the wetland h	esent, storm	water runoff from system. Conversion	the roadside ditch and on to herbaceous will like	
.500(6)(c)Community structure						
2 Repthic Community Vege	etation in the ponded area	d that receives run-off from s appears to be impacted fr sent. Age and size distribution slightly less	om the reduc	ed water quality. rmal. Topographi	Diminished plant condition	
	If preservation as mitigat Preservation adjustment fa (0 - 1, 0.1 increments) =			or impact assess		
or w/o pres with	Adjusted mitigation delta	= 0	12-0	elia x acres = 0.	1 x 1.144= 0.114	
or w/o pres with 0.43 0.33	Adjusted mitigation delta	= 0		r mitigation asses		

Site/Project Name Application Number			ber Assessment Area Name or Number				
NFRC Phase I					W-ECT-07	9 (W-SRF-073)	
FLUCCs code	Further classification	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	xed		Impact		
Basin/Watershed Name/Number Affect	<u>l</u> :ted Waterbody (Clas	(2)	Special Classificati	on (i.e.(OFW, AP, other local/state/fede	ral designation of importance)	
Pasili, Watershed Name/Namber	ned waterbody (olas	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Opecial Glassificati	orr (i.e.c	or W, Ar, other local/state/rede	rai designation of importance)	
Geographic relationship to and hydrolog	ic connection with	wetlands, other s	urface water, upla	nds			
The AA is a depressional wetland located in the AA is a depression with th	ated between the A ecieves stormwater	•				It is assumed that AA	
Assessment area description							
The AA is a small isolated depressions		re some inundated west ends by fo		s fores	ted system. The AA is	s bordered on both east	
Significant nearby features			Uniqueness (consid	ering the	e relative rarity in relation to	the regional landscape.)	
None	Not unique						
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rept	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/er retention/dete		ge; detrital export; flood	NA				
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reasor			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utilization	n (List species dire	ctly observed, or	other signs such a	s trac	ks, droppings, casing	s, nests, etc.):	
Deer	tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	s, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey		9-Nov-18					

Site/Project Name			Application Number	A	ssessment Area	a Name or Number		
NFRC Phase I					W-ECT-079 (W-SRF-073)			
Impact or Mitigation			Assessment conducted by:	A	ssessment date	:		
	Impa	act	Stephen R. Flore	R. Florey 11/9/2018				
Scoring Guidance	Э	Optimal (10)	Moderate(7)	Mini	mal (4)	Not Present	: (0)	
The scoring of each indicator is based on would be suitable for type of wetland or suitable water assessed	what the	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	wetland/s	el of support of urface water ctions	Condition is insuf provide wetland/ water function	/surface	
.500(6)(a) Location Landscape Sup w/o pres or current 3		There are several definitive	forested wetland. The AA prove barriers such as the Interstarstarstate-10 directly through a 24 downstrea	ate and expans	sive crop lands.	The wetland also r	eceives	
.500(6)(b)Water Environment (n/a for uplands) Although the AA had no water in it at the time of the site inspection, there were several strong hydrological such as saturation, high water table and water stained leaves. Soil saturation and flow are sufficent obligate wetland vegetation, however plant composition reflects contamination from direct Interstate strong off.					w are sufficent to s	upport		
3	3							
1. Vegetation and/or 2. Benthic Community w/o pres or current with 3 The AA is an isolated wetland that receives run-off from the interstate to the south. Plant condition appears on the poor and there is minimal evidence of regeneration and recruitment. Some topographical features are however they are less than optimal. Minimal evidence of exotic invasive were observed.						hical features are p		
Score = sum of above (if uplands, divide current or w/o pres 0.33		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		or impact assess	o7x0.163 = 0.011		
.		If mitigation		For	· mitigation asses	ssment areas		
Delta = [with-cu	rrent]	Time lag (t-factor) (see Risk factor (1 - 3, 0.25	,	RFG =	delta/(t-factor x	risk) -0.333333		
-0.07		increments) =	1	=				

Site/Project Name Application Number			ber Assessment Area Name or Number				
NFRC Phase I					W-ECT-08	1 (W-SRF-075)	
FLUCCs code	Further classificat	tion (optional)		Impac	ct or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	ixed		Impact		
Basin/Watershed Name/Number Affect	cted Waterbody (Clas	ss)	Special Classificati	ion (i.e.	OFW, AP, other local/state/fede	ral designation of importance)	
Geographic relationship to and hydrolog	gic connection with	wetlands, other s	urface water, upla	nds			
The AA is a depressional wetland loo	cated between the A eceives stormwater	•				It is assumed that AA	
Assessment area description							
The AA is a small isolated depressiona crop la	al wetland. There are and and the Intersta				-	bordered on all sides by	
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)	
Non	е		Not unique				
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rept	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/e retention/de		ge; detrital export; flood	NA				
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reaso			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Salamanders, newts, toads, frogs, white ibis, wo marsh rabbit, white tailed		wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utilizatio	n (List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casings	s, nests, etc.):	
Deer	tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	s, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey		9-Nov-18					

Site/Project Name			Application Number	Α	ssessment Area	a Name or Number		
	NFRC Phase I				W-ECT-081 (W-SRF-075)			
Impact or Mitigation	igation Assessment conducted by: Assessment date:					:		
	Impa	ct	Stephen R. Flore	Stephen R. Florey 11/9/2018				
Scoring Guidance	\neg	Optimal (10)	Moderate(7)	Minii	mal (4)	Not Present (0)		
The scoring of each indicator is based on whe would be suitable for the type of wetland or surface water assessed	hat he	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support o wetland/surface water functions		Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location Landscape Supp w/o pres or current 3		There are several definitiv	forested wetland. The AA prov re barriers such as the Intersta m crop fields and the Interstat downstrea	ate and expans	sive crop lands.	The wetland also receives		
.500(6)(b)Water Envir (n/a for uplands w/o pres or current 3	, and the second							
.500(6)(c)Community	d/or		nd that receives run-off from th					
2. Benthic Commu	with	•	Il evidence of regeneration and are less than optimal. Minima			•		
Score = sum of above so (if uplands, divide by current or w/o pres		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		or impact assess	sment areas 07x0.355 = 0.025		
	<u> </u>	If mitigation		For	mitigation asses	ssment areas		
Delta = [with-curre	ent]	Time lag (t-factor) (see						
-0.07		Risk factor (1 - 3, 0.25 increments) =	RFG = delta/(t-factor x risk) = -0.3333333					

-							
Site/Project Name Application Numb			Assessment Area Name or Number				
NFRC Phase I					W-ECT-08	8 (W-SRF-100)	
FLUCCs code	Further classification	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	ixed		Impact		
Basin/Watershed Name/Number Affect	L ted Waterbody (Clas	(2)	Special Classificati	ion (i.e.(OFW, AP, other local/state/fede	ral designation of importance)	
Pasili, Watershed Warne, Number	ica waterbody (Clas	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Opecial Glassificati	ion (i.e.	or w, Ar, other local/state/rede	rai designation of importance)	
Geographic relationship to and hydrologi	c connection with	wetlands, other s	urface water, upla	nds			
The Assessment area is part of the Suw the transfer of the Suw the transfer of the Suw the state of the Suw the state of the Suw the S	annee River flood ne bay. The natura	•			•	south through the AA to	
Assessment area description							
The assessment area is part of the Su		od plain. It is a pre arse due to a lush	•	cted ol	d growth forested wet	land. The understory is	
Significant nearby features			Uniqueness (consid	ering th	e relative rarity in relation to	the regional landscape.)	
Suwannee	Suwannee River floodplain.						
Functions			Mitigation for pre	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding; s	andhill crane feeding; and rept	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete	ge; detrital export; flood	NA					
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reason			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		wading birds, snipe,	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).				
Observed Evidence of Wildlife Utilization	(List species dire	ctly observed, or	other signs such a	as trac	ks, droppings, casing	s, nests, etc.):	
Deer t	tracks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	s, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			14-Nov-18				

Site/Project Name		Application Number	Assessment A	Area Name or Number		
NFRC PI	nase I			W-ECT-088		
Impact or Mitigation		date:				
Impa	ct	Stephen R. Florey	nen R. Florey 11/15/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support wetland/surface water functions	of Condition is insufficient to		
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	Assessment area is located	within two river state forest. W	/ildlife access is limited to	state I-10 is immediately south. the south by the interstate but is gnificantly alter the LL support.		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6	indication of water quality of interstate is a potentia	•	e of specie present, howevouts to the system. No adv	-		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	near normal for a floodpla		s slightly less than normal	atumage and size distribution is . No invasive species present. understory species.		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.57 0.4	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor		sessment areas = 0.17x1.391 = 0.236		
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) =	For mitigation a	ssessment areas		
-0.17	Risk factor (1 - 3, 0.25 increments) =	REG - delta/(t-factor y risk)				