# ATTACHMENT A

UMAM Worksheets -Columbia County

Site/Project Name Application Number		ber Assessment Area Name or Number		or Number				
NFRC Phase I					W-ECT-002	(W-SRF-002)		
FLUCCs code	Further classification	on (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
641	F	reshwater Marsh	1		Impact			
Basin/Watershed Name/Number Affec	ted Waterbody (Class)	)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/federa	al designation of importance)		
Geographic relationship to and hydrolog	ic connection with w	etlands, other su	urface water, uplar	nds				
	The area is an isolated wetland in a rural portion of Lake City							
Assessment area description								
The assessment area	is a forested wetland	d that has been	clear cut of trees f	for the	transmission line ease	ement.		
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)		
none	9		not unique					
Functions			Mitigation for prev	vious	permit/other historic us	е		
BIOLOGICAL: Amphibian breeding; wading bird feeding; PHYSICAL/CHEMICAL: Water quality treatment; sediment/er retention/det	osion control; recharge/discharge							
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reasor					ed Species (List species, the ity of use of the assessmen			
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		vading 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 direct	ly observed, or o	other signs such a	is tracl	ks, droppings, casings	nests, etc.):		
Deer tracks, turkey tracks, racoon tracks, cardinals, woodpeckers, and crows.								
Additional relevant factors:								
None								
Assessment conducted by:			Assessment date	e(s):				
Stephen R. Florey			30-Oct-18					

Site/Project Name		Application Number	Assessment Are	ea Name or Number
NFRC Pł	nase I		W-EC	T-002 (W-SRF-002)
Impact or Mitigation		Assessment conducted by:	nt date:	
Impa	ct	Stephen R. Flore	10/30/2018	
Searing Cuidenee	Optimal (10)	Mederate/7)	Minimal (4)	Not Present (0)
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
.500(6)(a) Location and Landscape Support w/o pres or current with 5		unded by two electrical transm not appear to contribute to an		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 4		tors present. Soil moisture app aquatic habitats. No evidence		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 4		was originally a forested wetla nt and is now clear cut of trees time of the s		
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.43333	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	For impact asser FL = delta x acres =	ssment areas 0
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1	For mitigation ass	essment areas
-0.433333333	Risk factor (1 - 3, 0.25 increments) =		RFG = delta/(t-factor : =	<sup>x risk)</sup> -0.433333

Site/Project Name Application Number		ber Assessment Area Name or Number			or Number		
NFRC Phase I				W-ECT-003	(W-SRF-003)		
FLUCCs code	Further classificat	ion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641	F	Freshwater Marsh	1		Impact		
Basin/Watershed Name/Number Affect	ted Waterbody (Class	s)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/feder	al designation of importance)	
Geographic relationship to and hydrolog	ic connection with v	wetlands, other su	urface water, uplar	nds			
The assessment area is an isolated wetl	and in a rural portic	on of Lake City th the wes		/drolog	jically connected to a l	arger wetland network to	
Assessment area description							
The assessment area	is a forested wetlar	nd that has been	clear cut of trees f	for the	transmission line eas	ement.	
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 us	e	
BIOLOGICAL: Amphibian breeding; wading bird feeding; s PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete	osion control; recharge/discharg						
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	n (List species direc	ctly observed, or o	other signs such a	as tracl	ks, droppings, casings	, nests, etc.):	
Deer	tracks, turkey track	s, racoon tracks,	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			30-Oct-18				

Site/Project Name		Application Number	Assessme	nt Area Name or Number
NFRC Phase	e l			V-ECT-003 (W-SRF-003)
Impact or Mitigation		Assessment conducted by:	Assessme	nt date:
impact		Stephen R. Flore	10/30/2018	
Indicator is based on what would be suitable for the	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of suppo wetland/surface wa functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 5		unded by two electrical transm not appear to contribute to any		dlife access is limited. Wetland is lo exotics were observed.
				s an isolated system and does not specific hydrologic requirements.
nally 1. Vegetation and/or 2. Benthic Community w/o pres or current with 4			-	vas permitted for an overhead gent marsh wetland existed at the
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.43333	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor	For impact FL = delta x acre	assessment areas es = 0
	If mitigation		For mitigation	n assessment areas
Delta = [with-current]	Time lag (t-factor) (see	a tables) = 1	Ű	

Site/Project Name Application Number		mber	ber Assessment Area Name or Number		or Number	
NFRC Phase I				W-ECT-007	′ (W-RM-001)	
FLUCCs code	Further classification (optional		Impact	t or Mitigation Site?	Assessment Area Size	
641	Freshwater M	arsh		Impact		
Basin/Watershed Name/Number Affect	ed Waterbody (Class)	Special Classificat	tion (i.e.C	DFW, AP, other local/state/feder	al designation of importance)	
Geographic relationship to and hydrolog	ic connection with wetlands, oth	er surface water, upl	ands			
AA is between SE Price Creek Dr and S pine, and native uplands. AA appears to	-	ounded by a mixture	of agri	cultural lands (row cro	ps), residential, planted	
Assessment area description						
AA is a depressional marsh surrounded from W_RM_002 by pasture. AA receive			e use (\	waste and tracks) was	evident. AA is isolated	
Significant nearby features		Uniqueness (consid	dering the	e relative rarity in relation to	the regional landscape.)	
none		not unique				
Functions		Mitigation for pre	evious p	permit/other historic us	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding; s	andhill crane feeding; and reptile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete		d				
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reasor				ed Species (List species, the ity of use of the assessmer		
Salamanders, newts, toads, frogs, white ibis, woo marsh rabbit, white tailed		seasonal), alligator	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 directly observed	l, or other signs such	as trac	cks, droppings, casing	s, nests, etc.):	
none						
Additional relevant factors:						
None						
Assessment conducted by:		Assessment date	e(s):			
Ramon Mendieta, ECT, Inc.		31-10-18				

-		Application Number	Assessment Are	ea Name or Number		
NFRC P	hase I		W-EC	W-ECT-007 (W-RM-001) Assessment date:		
mpact or Mitigation		Assessment conducted by:	Assessment dat			
Impa	act	Ramon Mendieta, EC	T Inc.	10/31/2018		
Coorting Outidance	Optimal (40)	Mederate (7)	Minimal (4)	Not Procent (0)		
Scoring Guidance The scoring of each ndicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) 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 level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6	area. Invasive and nuisance	a mixture of agricultural lands e exotic species observed outs tle use of AA affects use by na	side of AA (torpedo grass, ol			
.500(6)(b)Water Environment (n/a for uplands)	Water levels and flows are s and other climatic effects. V	slightly lower than appropriate				
w/o pres or current with 6	No evidence of use by wildlin	fe with specific hydrologic req				
	Species diversity has been a	0	uirements. Cattle waste obse	erved in AA.		
current       with         6       .500(6)(c)Community structure         1. Vegetation and/or       .500         2. Benthic Community       .500         w/o pres or       .500         current       with         4       .500         Score = sum of above scores/30       .500         (if uplands, divide by 20)       .500         current       .500	Species diversity has been a cattle. Majority of plant spec	fe with specific hydrologic req affected by grazing of cattle. L ties are appropriate but no evi	uirements. Cattle waste obse	ation has been trampled by n. Marsh pennywort is the		
current       with         6       .500(6)(c)Community structure         1. Vegetation and/or       2. Benthic Community         w/o pres or       with         4	Species diversity has been a cattle. Majority of plant spect dominant vegetation.	fe with specific hydrologic req affected by grazing of cattle. L cies are appropriate but no evi gation, factor elta = 0	ittle species diversity. Veget dence of normal regeneratio	erved in AA. ation has been trampled by n. Marsh pennywort is the ssment areas 0		

Site/Project Name Applic		nber Assessment Area Name or Number		e or Number	
NFRC Phase I			W-ECT-00	8 (W-RM-002)	
FLUCCs code	Further classification (optional)		Impact or Mitigation Site?	Assessment Area Size	
641	Freshwater Mar	sh	Impact		
Basin/Watershed Name/Number Affect	ed Waterbody (Class)	Special Classificati	ON (i.e.OFW, AP, other local/state/fede	ral designation of importance)	
Geographic relationship to and hydrologi	c connection with wetlands, other	surface water, uplai	nds		
AA is between SE Price Creek Dr and S	SE County Club Road. AA is surrou pine, and native uplands. A	-	-	ops), residential, planted	
Assessment area description					
AA is a depressional marsh surrounded from V	d by Bahia pasture. The AA is oper V_RM_001 by pasture. AA receive		. ,	s evident. AA is isolated	
Significant nearby features		Uniqueness (conside	ering the 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; s PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete	sion control; recharge/discharge; detrital export; flood				
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		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, o	r other signs such a	is tracks, droppings, casing	s, nests, etc.):	
	nor	e			
Additional relevant factors:					
None					
Assessment conducted by:		Assessment date	e(s):		
Ramon Mendieta, ECT, Inc.		31-10-18			

Site/Project Name		Application Number	Assessmer	nt Area Name or Number
NFRC Phase	L		N	V-ECT-008 (W-RM-002)
mpact or Mitigation		Assessment conducted by:	Assessmer	nt date:
Impact		Ramon Mendieta, EC	10/31/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each ndicator is based on what	ondition 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
area	a. Invasive and nuisance		de of AA (torpedo grass	ive uplands occur in surrounding s, old world climbing fern). Bahia
and	other climatic effects. Ve	lightly lower than appropriate, egetation does not exhibit zon e with specific hydrologic requ	ation. Soil moisture appe	
	le. Majority of plant speci			egetation has been trampled by ation. AA dominant species is so
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.53333	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor	For impact a	assessment areas s = 0
Delta – [with current]	If mitigation		For mitigation	assessment areas
Delta = [with-current]	Time lag (t-factor) (see	e tables) = 1		

Site/Project Name Application Number		ber Assessment Area Name or Num		e or Number			
NFRC Phase I					W-ECT-00	9 (W-RM-003)	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641		Freshwater Marsh	1		Impact		
Basin/Watershed Name/Number Affect	Let Waterbody (Clas	ss)	Special Classificati	ON (i.e.0	OFW, AP, other local/state/feder	al designation of importance)	
Geographic relationship to and hydrolog	gic connection with	wetlands, other su	urface water, uplar	nds			
AA is between SE Price Creek Dr and S pine, and native uplands. AA is part of la	•		•	•	· ·		
Assessment area description							
AA is a depressional marsh surrounded areas. Adjacent row crop fields discharg						nected to offsite wetland	
Significant nearby features			Uniqueness (conside	ering th	e relative rarity in relation to	the regional landscape.)	
none	e		not unique				
Functions			Mitigation for prev	vious	permit/other historic us	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding;	sandhill crane feeding; and rep	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/et retention/det		ge; detrital export; flood					
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reason	· ·				ed Species (List species, the site of use of the assessment	-	
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 Utilization	n (List species dire	ctly observed, or o	other signs such a	s trac	ks, droppings, casings	, nests, etc.):	
none							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Ramon Mendieta, ECT, Inc.			31-10-18				

Site/Project Name		Application Number	Assessment Ar	ea Name or Number			
NFRC	Phase I			W-ECT-009 (W-RM-003)			
Impact or Mitigation		Assessment conducted by:		ssessment date:			
Impact of Willgation Impact or	Mitigation	Ramon Mendieta, EC <sup>-</sup>		10/31/2018			
	initigation		10/01/2010				
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	F Condition is insufficient to provide wetland/surface water functions				
.500(6)(a) Location and Landscape Support w/o pres or current with 6	area. Invasive and nuisance	mixture of agricultural lands a exotic species observed outsi le use of AA affects use by na	ide of AA (torpedo grass, old	world climbing fern). Bahia			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6	Water levels and flows are s and other climatic effects. La	slightly higher than appropriate arger open water feature part o fe with specific hydrologic requ	of AA. Soil moisture appears	normal.			
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 4		eper marsh zones are exotic o	or nuissance species (water	hyacinth, cattail, and cuban			
Score = sum of above scores/30	If preservation as mitig	gation,	For impact asse	ssment areas			
(if uplands, divide by 20) current or w/o pres with 0.53333 0	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de		FL = delta x acres =	0			
	J						
	If mitigation		For mitigation ass	sessment areas			
Delta = [with-current]	Time lag (t-factor) (see	e tables) = 1					
-0.533333333	Risk factor (1 - 3, 0.25 increments) =	, 1	RFG = delta/(t-factor =	-0.533333			
L	$\frac{1}{10000000000000000000000000000000000$			I			

Site/Project Name App		Application Numbe	ber Assessment Area Name or Num		e or Number		
NFRC Phase I				W-ECT-01	4 (W-RM-018)		
FLUCCs code	Further classifica	tion (optional)		Impact	t or Mitigation Site?	Assessment Area Size	
641		Freshwater Marsh	1		Impact		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/feder	al designation of importance)	
Geographic relationship to and hydro	ologic connection with	wetlands, other su	urface water, uplar	nds			
AA is between SE Price Creek Dr an pine, and native uplands. Mixed wet	•		•	f agric	ultural lands (row crop	s), residential, planted	
Assessment area description							
AA is a depressional marsh surround to the north and south. AA is hydrold patterns. AA likely part of mixed wet	gically connected to M	lixed wetland hard	dwood habitat. Ele				
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
none			not unique				
Functions			Mitigation for prev	vious p	permit/other historic us	se	
BIOLOGICAL: Amphibian breeding; wading bird fee PHYSICAL/CHEMICAL: Water quality treatment; sedim retention							
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and re			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 marsh rabbit, white t	, 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 o	other signs such a	s track	ks, droppings, casings	, nests, etc.):	
none							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	(s):			
Ramon Mendieta, ECT, Inc.			31-10-18				

Site/Project Name		Application Number	Assessment A	rea Name or Number			
NFRC P	hase I	- PPressent ronwor		W-ECT-014 (W-RM-018)			
Impact or Mitigation		Assessment conducted by:	ate:				
Impa	ct	Ramon Mendieta, EC	10/31/2018				
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	optimal, but sufficient to vinimal level of support of Condition is					
.500(6)(a) Location and Landscape Support w/o pres or current with 7		mixture of agricultural lands a exotic species observed outs ıral residential area.					
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 5	and other climatic effects. So line installation.	s are slightly lower than appropriate, considering seasonal variation and antecedent weath ects. Soil moisture appears drier than normal. Drainage patterns affected by past transmiss y wildlife with specific hydrologic requirements.					
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6	Mixture of marsh species. N	o apparent zonation. No exoti	cs observed.				
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.6	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	For impact ass FL = delta x acres =				
	If mitigation		For mitigation as	sessment areas			
Delta = [with-current]	Time lag (t-factor) (see Risk factor (1 - 3, 0.25	,	RFG = delta/(t-facto				
-0.6	increments) =	1 = -0.6					

Site/Project Name Application Nu			ber Assessment Area Name or Number				
NFRC Phase I					W-ECT-017	7 (W-SRF-017)	
FLUCCs code	Further classificat	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	Wet	tland Forested Mi	xed	Impact			
Basin/Watershed Name/Number Affect	ed Waterbody (Clas	s)	Special Classificati	ion (i.e.0	DFW, AP, other local/state/feder	al designation of importance)	
Geographic relationship to and hydrologi	c connection with v	wetlands, other s	urface water, uplai	nds			
The area is an isolated wetland in a rural portion of Lake City. Surrounded by residential properties, the only hydrological connections appears be a stream system to the east of the assessment area.						connections appears to	
Assessment area description							
The assessment area is a forested wet			assessment area uth beyond the su		-	d residential properties	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
none			not unique				
Functions			Mitigation for pre-	vious į	permit/other historic us	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa	andhill crane feeding; and repti	ile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter		ge; detrital export; flood					
Anticipated Wildlife Utilization Based on Literature I representative of the assessment area and reasonate			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 direc	ctly observed, or	other signs such a	as tracl	ks, droppings, casings	, nests, etc.):	
Deer t	racks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			31-Oct-18				

Site/Project Name		Application Number	Assessment	Area Name or Number
NFRC F	Phase I		W-	ECT-017 (W-SRF-017)
mpact or Mitigation		Assessment conducted by:	Assessment	date:
Imp	act	Stephen R. Flore	y	10/31/2018
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each ndicator 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	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	area and surrounding resi		ed to be hydrologically con	species due to small assessmer nected to stream system to the bitat.
.500(6)(b)Water Environment (n/a for uplands) <sup>w/o pres or</sup> <u>current</u> with 4	The assessment area disp	lays several hydrologic indicat oil moisture appear less than i		and water stained leaves. Water etland vegetation.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o press or <u>current</u> with 6 3	The assessment area is a	Plant condition, regeneration a		ies diversity and distribution are ormal for this type of system. No
Score = sum of above scores/30 (if uplands, divide by 20)         current         or w/o pres       with         0.46       0.33	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	t factor		= 0.13x0.002=0.0003
Delta = [with-current] -0.13	If mitigation Time lag (t-factor) (see Risk factor (1 - 3, 0.25 increments) =		For mitigation a RFG = delta/(t-factor =	assessment areas or x risk)

Site/Project Name Application		Application Number	ber Assessment Area Name or Number			or Number	
NFRC Phase I					W-ECT-020	(W-SRF-020)	
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	ed Waterbody (Clas	SS)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/federa	I designation of importance)	
Geographic relationship to and hydrologi	c connection with	wetlands, other s	urface water, uplar	nds			
The area is an isolated wetland in a r	ural portion of Lak	e City. It is on the surrounding ec	•	r inters	ection and does not pr	ovide any support to	
Assessment area description							
The assessment area is a forested wetl			se understory. The h by commercial p			d to the west and south	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to t	he regional landscape.)	
none			not unique				
Functions			Mitigation for pre-	vious p	permit/other historic us	e	
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 tracl	ks, droppings, casings,	nests, etc.):	
Deer t	racks, turkey track	ks, racoon tracks,	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			31-Oct-18				

Site/Project Name		Application Number	Assessment Ar	ea Name or Number
NFRC	Phase I		W-EC	CT-020 (W-SRF-020)
mpact or Mitigation		Assessment conducted by:	Assessment da	te:
Imp	act	Stephen R. Flore	y	10/31/2018
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each ndicator 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	
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3		evelopment. Support to wildlife operties prevent most benefit		
.500(6)(b)Water Environment (n/a for uplands) <sup>w/o pres or</sup> <u>current with</u> 4 6	The assessment area is a indicators such as saturat	ssociated with an isolated wetl ion and high water table are so appear to be any hydrologic co	ufficient to support obligate v	vetland vegetation. However,
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 6 3	The assessment area i	is a forested wetland system th ood with a majority of desirabl features are less than optin		asive presence. Topographic
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.47 0.4	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	t factor	For impact asse FL = delta x acres =0	
Delta = [with-current] -0.07	If mitigation Time lag (t-factor) (se Risk factor (1 - 3, 0.25		For mitigation ass RFG = delta/(t-factor	

Site/Project Name Application		Application Number	ber Assessment Area Name or Number			or Number	
NFRC Phase I					W-ECT-022	(W-SRF-022)	
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 Affect	ed Waterbody (Clas	ss)	Special Classificati	ion (i.e.0	OFW, AP, other local/state/federa	al designation of importance)	
Geographic relationship to and hydrologi	c connection with	wetlands, other se	urface water, upla	nds			
The area is an isolated wetland in a r connected to a ponded syste	•	•					
Assessment area description							
The assessment area is a forested wetla in connectivity to surrounding ecosyste		•	eyond the assess			-	
Significant nearby features			Uniqueness (conside	ering th	e relative rarity in relation to	the regional landscape.)	
None			Not unique				
Functions			Mitigation for pre	vious	permit/other historic us	e	
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa	andhill crane feeding; and rep	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter		rge; detrital export; flood	NA				
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reasona			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, casings	, nests, etc.):	
Deer t	racks, turkey tracł	ks, racoon tracks,	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			31-Oct-18				

Site/Project	Name			Application Number	A	ssessment Area	a Name or Numbe	r
	Ν	IFRC P	nase I			W-ECT	-022 (W-SRF-022	2)
mpact or M	litigation			Assessment conducted by:	A	ssessment date	:	
		Impa	ct	Stephen R. Flore	у		10/31/2018	
Scoring	g Guidance		Optimal (10)	Moderate(7)	Minir	mal (4)	Not Preser	nt (0)
The sco ndicator is would be s type of wet	ring of each based on whe uitable for the land or surfac assessed	e	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions		I of support of urface water	Condition is insu provide wetland water funct	ufficient to d/surface
• • •	(a) Location a scape Suppo		fragmented by Marvin Bu	vides moderate access to wild rnett Rd. AA provides modera connected to a series of water	ate benefits to c	downstream hab	oitats as it is hydro	
	Water Enviro (for uplands)		Natural flows patterns an connection to the wetland species. No indication of wa	tinct hydrologic features such re somewhat altered due to th d system to the south is strong ter quality degradation based idside ditch is a potential sour	e road to the n g. Flows appea on the suite of	orth of the AA, I ar appropriate to specie present	however the hydro support obligate , however, stormw	ological wetland
1. Ve	Community st getation and/ thic Commur	′or		prested wetland system that is ribution appears near normal. exotic invasive	Plant condition	n appears gener		
	m of above sco nds, divide by :		If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation del	factor		or impact assess	sment areas 13x0.308 = 0.040	
	= [with-currer	nt]	If mitigation Time lag (t-factor) (see Risk factor (1 - 3, 0.25 increments) =			mitigation asse delta/(t-factor x		

Site/Project Name Application I		Application Number	hber Assessment Area Name or Number			e or Number
NFRC Phase	I				W-ECT-024	(W-RM-022)
FLUCCs code	Further classification	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
643		Wet Prairies		Impact		
Basin/Watershed Name/Number	Affected Waterbody (Cla	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance			
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, up	lands		
Surrounding habitats include a City Uplands immediately surrounding	-			-		djacent roadside ditch.
Assessment area description						
AA is a wet prairie surrounded by f beaksedge is the dominant wetland		based on historic	: aerials). AA appe	ears to	be isolated. Red root	and southern
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 fe	eding; sandhill crane feeding; and rep	otile (snake) feeding				
PHYSICAL/CHEMICAL: Water quality treatment; sedii retent	ment/erosion control; recharge/discha tion/detention.	arge; detrital export; flood				
Anticipated Wildlife Utilization Based on Lite representative of the assessment area and					ed Species (List species, th sity of use of the assessmer	
Salamanders, newts, toads, frogs, white ibi marsh rabbit, white	s, 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 Utili	ization (List species dir	ectly observed, o	r other signs such	n as tra	acks, droppings, casin	gs, nests, etc.):
none						
Additional relevant factors:						
None						
Assessment conducted by:			Assessment date	e(s):		
Ramon Mendieta, ECT, Inc.			1-Nov-18			

Site/Project Name		Application Number	ŀ	Assessment Area	a Name or Number	
NFRC Ph	ase I			W-ECT-024 (W-RM-022) Assessment date:		
mpact or Mitigation		Assessment conducted by:	ŀ			
Impac	xt	Ramon Mendieta, EC	T Inc.		11/1/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Min	imal (4)	Not Present (0)	
The scoring of each ndicator is based on what would be suitable for the ype of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	maintain most wetland/s		level of support of d/surface water functions		
	surrounding area. Invasive a	a mixture of urban and rural re and nuisance exotic species r city roadway is adjacent to v	observed out		•	
v/o pres or current with	climatic effects. Soil moistur	ear appropriate, considering s re appears normal. Drainage ife with specific hydrologic ree	patterns affe	cted by past pine	e plantation.	
6						
.500(7)(c)Community Structure 1. Vegetation and/or 2. Benthic Community		is appropriate and desirable. and management activities n				
.500(7)(c)Community Structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with		and management activities n gation, t factor	ot optimal for		ity of plant community.	
500(7)(c)Community Structure          1. Vegetation and/or         2. Benthic Community         w/o pres or         current       with         7         Score = sum of above scores/30 (if uplands, divide by 20)         current         or w/o pres         with	minimal vegetative cover. La If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) =	and management activities n gation, t factor elta = 0	ot optimal for FL = d	r long term viabili	sment areas	

Site/Project Name		Application Numbe	r		Assessment Area Name	or Number	
NFRC Phase I					W-ECT-025	(W-RM-020)	
FLUCCs code	Further classificat	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641		Freshwater Marsh	1	Impact			
Basin/Watershed Name/Number Aff	ected Waterbody (Clas	s)	Special Classificati	ON (i.e.0	DFW, AP, other local/state/federa	I designation of importance)	
Geographic relationship to and hydrol	ogic connection with	wetlands, other su	urface water, uplar	nds			
Surrounding habitats include a City pa Uplands immediately surrounding AA			•	•	cally connected to adja	cent roadside ditch.	
Assessment area description							
AA is a depressional marsh/wet prairie ditch. Cattail is the dominant wetland s	•	er pine plantation	(based on historio	c aeria	als). AA hydrologically c	connected to roadside	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to t	he regional landscape.)	
none			not unique				
Functions			Mitigation for prev	vious	permit/other historic us	e	
BIOLOGICAL: Amphibian breeding; wading bird feedir PHYSICAL/CHEMICAL: Water quality treatment; sedimen retention/	t/erosion control; recharge/discharg						
Anticipated Wildlife Utilization Based on Literature representative of the assessment area and reas	· ·		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, v marsh rabbit, white tai	wood stork, sandhill crane, led 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 Utilizat	ion (List species dire	ctly observed, or o	other signs such a	is trac	ks, droppings, casings,	nests, etc.):	
none							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Ramon Mendieta, ECT, Inc.			31-10-18				

Site/Project Name		Application Number	Assessment A	rea Name or Number
NFRC Pr	nase I			ECT-025 (W-RM-020)
Impact or Mitigation		Assessment conducted by:	Assessment da	ate:
Impa	ct	Ramon Mendieta, EC	T Inc.	10/31/2018
Quanting Quidence		Moderate(7)	Minimal (4)	Not Drosent (0)
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions		Not Present (0)           of         Condition is insufficient to provide wetland/surface water functions
.500(6)(a) Location and Landscape Support <sup>w/o pres or</sup> current with 6		exotic species observed outs		ve uplands occur in surrounding d world climbing fern). Major
.500(6)(b)Water Environment (n/a for uplands) <sup>w/o pres or</sup> <u>current</u> with 5	and other climatic effects. So plantation.	lightly lower than appropriate, oil moisture appears drier thar fe with specific hydrologic requ	n normal. Drainage patterns	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	Mixture of marsh and wet pra	airie species. No apparent zor	nation. Cattail is the domina	nt species.
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o preswith0.533330	If preservation as miti <u>c</u> Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	For impact ass FL = delta x acres =	essment areas 0
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1	For mitigation as	sessment areas
-0.533333333	Risk factor (1 - 3, 0.25 increments) =		RFG = delta/(t-factor =	r x risk) -0.533333

Site/Project Name Application		Application Numbe	ber Assessment Area Name or Number			or Number	
NFRC Phase I					W-ECT-036	(W-SRF-023)	
FLUCCs code	Further classification	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	ixed	ed Impact			
Basin/Watershed Name/Number Af	fected Waterbody (Clas	s)	Special Classificati	On (ie (	DFW, AP, other local/state/federa	al designation of importance)	
		,					
Geographic relationship to and hydro	logic connection with	wetlands, other so	urface water, uplar	nds			
The area is an isolated cypress dom	<b>-</b> .		nere is a newly due plogical connection	-	ntion pond to the east	of the wetland but this is	
Assessment area description							
The assessment area is a prede	ominantly cypress fore	ested depressiona commercial pr		tland i	s isolated and surroun	ded on all sides by	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
None			Not unique				
Functions			Mitigation for pre-	vious į	permit/other historic us	e	
BIOLOGICAL: Amphibian breeding; wading bird feed	ing; sandhill crane feeding; and rept	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sedime retention	nt/erosion control; recharge/dischar /detention.	ge; detrital export; flood	NA				
Anticipated Wildlife Utilization Based on Literat representative of the assessment area and rea			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, marsh rabbit, white ta	wood stork, sandhill crane, iled 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	is tracl	ks, droppings, casings	, nests, etc.):	
De	er tracks, turkey track	<s, racoon="" td="" tracks,<=""><td>cardinals, woodpe</td><td>eckers</td><td>, and crows.</td><td></td></s,>	cardinals, woodpe	eckers	, and crows.		
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Stephen R. Florey			1-Nov-18	(-).			
. ,							

Site/Project Name		Application Number	Assessment	Area Name or Number
NFRC P	hase I		W-	ECT-036 (W-SRF-023)
Impact or Mitigation		Assessment conducted by:	Assessment	date:
Impa	act	Stephen R. Flore	y	10/31/2018
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		of Condition is insufficient to
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	and other than a recently r		does not have any hydrold	e wildlife. The system is isolated ogical connections. The System ding habitats.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or <u>current</u> with 5 5	Natural flows patterns are support obligate wetland s	completely altered due to surn pecies. No indication of water off from surrounding developm	ounding development. Hy quality degradation based	ed leaves and a high water table rdrology appears appropriate to I on the suite of specie present, of untreated runoff inputs to the
.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 fo	ibution appears normal. Plant		ent. Trees are approximately 2 Illy good however, 25 % exotics
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.50.37	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		= 0.13 x 0.51 = 0.066
Delta = [with-current] -0.13	If mitigation Time lag (t-factor) (see Risk factor (1 - 3, 0.25 increments) =	-	For mitigation a RFG = delta/(t-factor =	assessment areas or x risk)

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number	
NFRC Phase I					W-ECT-038	(W-SRF-025)	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	We	tland Forested Mi	xed	Impact			
Basin/Watershed Name/Number Affect	ed Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Geographic relationship to and hydrolog	c connection with	wetlands, other su	urface water, uplar	nds			
The area is an isolated forested wetland		otion of Lake City. west beyond the	•	ogically	y connected to a large	wetland that continues	
Assessment area description							
The assessment area is an inundated f continues fu	orested wetland puurther west beyond				-	5. The isolated wetland	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	he regional landscape.)	
None			Not unique				
Functions			Mitigation for prev	vious p	permit/other historic us	e	
BIOLOGICAL: Amphibian breeding; wading bird feeding; sandhill crane feeding; and reptile (snake) feeding.							
PHYSICAL/CHEMICAL: Water quality treatment; sediment/erc retention/dete	-	rge; 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	is tracl	ks, droppings, casings,	nests, etc.):	
Deer	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			1-Nov-18				

Site/Project Name		Application Number	Assessment A	rea Name or Number		
NFRC P	hase I		W-E	CT-038 (W-SRF-025)		
mpact or Mitigation		Assessment conducted by:	Assessment d	ate:		
Impa	act	Stephen R. Flore	y	11/1/2018		
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each ndicator is based on what would be suitable for the ype 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	optimal, but sufficient to maintain mostMinimal level of support of wetland/surface waterwetland/surface waterfunctions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	•			ljacent to I-75. The interstate to no benefit to downstream or		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	water table. Natural flows hydrological connection to wetland species. No in	patterns are somewhat altered	d due to the road to the nor th is strong. Flows appear a dation based on the suite o	appropriate to support obligate f specie present, however,		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 7 3	The assessment area is a f	orested wetland system that is ribution appears near normal. exotic invasive				
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o pres0.570.4	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor	For impact ass FL = delta x acres =			
Delta = [with-current]	If mitigation Time lag (t-factor) (see		For mitigation as RFG = delta/(t-facto			
-0.17	Risk factor (1 - 3, 0.25 increments) =	1				

Site/Project Name	/	Application Numbe	er		Assessment Area Name	e or Number		
NFRC Phase I					W-ECT-04 <sup>2</sup>	(W-SRF-030)		
FLUCCs code	Further classificati	ion (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
630	Wet	land Forested Mi	xed		Impact			
Basin/Watershed Name/Number Affect	ed Waterbody (Class	5)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)					
Geographic relationship to and hydrologi	c connection with v	vetlands, other su	urface water, uplai	nds				
The AA is a part of a larger N	WI wetland that is	presumably hydr	ologically connect	ed to a	a larger wetland syster	n to the west.		
Assessment area description								
The AA is part of an isolated system tha th	t abuts Interstate 7 e interstate the iso					ry. With the exception of		
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 us	Se		
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa	andhill crane feeding; and reptil	le (snake) feeding						
PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter		e; detrital export; flood						
Anticipated Wildlife Utilization Based on Literature I representative of the assessment area and reasona	· ·		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 direc	tly observed, or o	other signs such a	as tracl	ks, droppings, casings	, nests, etc.):		
Deer t	racks, turkey tracks	s, racoon tracks,	cardinals, woodpe	eckers	, and crows.			
Additional relevant factors:								
None								
Assessment conducted by:			Assessment date	e(s):				
Stephen R. Florey			1-Nov-18					

Site/Project Name		Application Number	Assessment Ar	ea Name or Number			
NFRC	Phase I		W-EC	CT-041 (W-SRF-030)			
mpact or Mitigation		Assessment conducted by:	Assessment conducted by: Assessment da				
Imp	act	Stephen R. Flore	у	11/1/2018			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)			
The scoring of each ndicator is based on what would be suitable for the ype 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	optimal, but sufficient to maintain mostMinimal level of support of wetland/surface waterwetland/surface waterfunctions				
.500(6)(a) Location and Landscape Support w/o pres or urrent with 4 3	completely fragmented by	provides moderate access to Interstate 75. AA provides mo ydrologically connected to a la	derate benefits to downstrea	m habitats as it appears to be			
.500(6)(b)Water Environment (n/a for uplands) <sup>w/o pres or</sup> <u>current with</u> 5 5	flows patterns are somew strong hydrological connect wetland species. No in	istinct hydrologic features sucl what altered due to the intersta ction to the large NWI wetland idication of water quality degra om the roadside ditch is a pote	ate to the north of the AA, how to the west. Flows appear a adation based on the suite of	wever there appears to be a ppropriate to support obligate specie present, however,			
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 6 3	The assessment area is development. Salix is th	a forested wetland system that he dominant canopy species, t ppears generally good and the	he age and size distribution	appear near normal. Plant			
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.5 0.3	Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	t factor	For impact asse FL = delta x acres = 0				
Delta = [with-current]	If mitigation Time lag (t-factor) (se	e tables) = 1	For mitigation ass				
-0.13	Risk factor (1 - 3, 0.25 increments) =	5 1	RFG = delta/(t-factor =	x risk)			

Site/Project Name		Application Number	er		Assessment Area Na	ne or Number	
NFRC Phase I					W-ECT-0	42 (W-RM-030)	
FLUCCs code	Further classifica	tion (optional)		Impact	t or Mitigation Site?	Assessment Area Size	
621		Cypress			Impact		
Basin/Watershed Name/Number A	ffected Waterbody (Clas	ss)	Special Classificat	ion (i.e.(	DFW, AP, other local/state/	ederal designation of importance)	
Geographic relationship to and hydro	ologic connection with	n wetlands, other	surface water, up	lands			
Surrounding habitats are a mixture of crops. AA is 0.50 miles from I-10 an	-		-		· ·	-	
Assessment area description							
AA is cypress/mixed hardwood habi land activities. Southern portion of w receives direct runoff from agricultur	etland contains dense	e cover of sawtoo	oth blackberry (Ru	ibus pe	ensilvanicus). South	ern portion of AA	
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	use	
BIOLOGICAL: Amphibian breeding; wading bird feed	ling; sandhill crane feeding; and rep	otile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sedime retention	ent/erosion control; recharge/dischar n/detention.	rge; detrital export; flood					
Anticipated Wildlife Utilization Based on Litera representative of the assessment area and re				•	ed Species (List species, ity of use of the assessm	their legal classification (E, T, ent area)	
Salamanders, newts, toads, frogs, white ibis, marsh rabbit, white ta		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	ectly observed, o	r other signs such	ı as tra	icks, droppings, cas	ings, nests, etc.):	
none							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Ramon Mendieta, ECT, Inc.			2-Nov-18				

Site/Project Name	Application	Number	/	Assessment Area	a Name or Number
NFRC Phase I				W-ECT	-042 (W-RM-030)
mpact or Mitigation	Assessmer	nt conducted by:	/	Assessment date	:
Impact	Ramo	on Mendieta, ECT	Inc.		11/2/2018
Scoring Guidance Opt	imal (10) Mo	derate(7)	Min	imal (4)	Not Present (0)
The scoring of each ndicator is based on what would be suitable for the type of wetland or surface	is optimal and supports /surface water inctions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions Minimal level of support of wetland/surface water functions		el of support of surface water	Condition is insufficie provide wetland/surf water functions
close proxi	Itside of AA are a mixture of a mity to the AA. Invasive and rn, skunkvine).				
climatic effe practices, c	ls and flows appear appropria ects. Soil moisture appears n outside of the project area. No ceives runoff from agricultura	ormal. Drainage point of use	patterns affe	cted by past imp	acts to AA and agricul
	y all plant cover is appropriat getative cover. Rubus cover				
Score = sum of above scores/30	servation as mitigation, rvation adjustment factor		F	or impact assess	ment areas
(if uplands, divide by 20) current or w/o pres With Adjus	0.1 increments) =	0	FL = d	lelta x acres =0.1	7x0.619 = 0.105
(if uplands, divide by 20) current or w/o pres with 0.67 0.5	0.1 increments) =	0		lelta x acres =0.1	

Site/Project Name		Application Numbe	ber Assessment Area Name or Number			e or Number	
NFRC Phase 1					W-ECT-04	5A (W-MJS-001)	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
617	Mixe	ed Wetland Hardw	roods		Impact		
Basin/Watershed Name/Number Affect	ed Waterbody (Clas	ss)	Special Classificati	ON (i.e.0	DFW, AP, other local/state/fede	ral designation of importance)	
Geographic relationship to and hydrologi	c connection with	wetlands, other si	urface water, uplar	nds			
This Forested Wetland is part of a la transmissi	• •		eyond the survey anydrologic flow has		•	npasses and existing	
Assessment area description							
This wetland is characterized as foreste to the west and		• •			orth and south and m al drainage patterns.	ixed wetland hardwoods	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
Orange Pond			Not Unique				
Functions			Mitigation for prev	vious	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa	andhill crane feeding; and rep	tile (snake) feeding					
PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter		ge; detrital export; flood					
Anticipated Wildlife Utilization Based on Literature I representative of the assessment area and reasona			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	is trac	ks, droppings, casing	s, nests, etc.):	
None							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Michael Savage / David Flake ECT Inc.			5-Nov-18				

Site/Project Name		Application Number		Assessment Area	a Name or Numbe	r
NFRC Pr	nase 1			W-ECT	-045A (W-MJS-00	)1)
Impact or Mitigation		Assessment conducted by:		Assessment date	):	
Impa	ct	Michael Savage / David Flak	ke ECT Inc.		11/5/2018	
Scoring Guidance	Optimal (10)	Moderate(7)	Mi	nimal (4)	Not Presen	ot (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	optimal, but sufficient to maintain mostMinimal level of support of wetland/surface waterwetland/surface waterfunctions			
.500(6)(a) Location and Landscape Support <sup>w/o pres or</sup> current with 7 6	species. Discharges from t downstream habitats. Wild	larger NWI wetland leading fur this wetland are not limited by dlife access is not limited in an Conversion from forested to h	flow impedir y directing f	ments, and likely p rom surrounding fo	orovide moderate b orested areas. No	enefits to invasive
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 5 5	slightly altered from mainta No indication of water quality	rs present (high water table, st ained transmission ROW, flow ty degradation based on the su inputs will not pose a threat. N with the conversi	s appear ap uite of speci lo adverse o	propriate to suppo e present, and due changes in the wat	ort obligate wetland e to its location wit	l species. hin a large
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 3	Area is dominated by a der invasive flora was observ	nse canopy (Nyssa), no preval- /ed. Topographic features are ecies throughout. Conversion understor	near optima	al with the presenc	e of vertical hetero	ogeneity
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o preswith0.60.47	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		For impact assess delta x acres = 0.7		
Delta = [with-current]	If mitigation Time lag (t-factor) (see	e tables) = 1		or mitigation asse		
-0.13	Risk factor (1 - 3, 0.25 increments) =	1	RFG =	= delta/(t-factor x	risk)	

Site/Project Name		Application Number	ber Assessment Area Name or Number			e or Number	
NFRC Phase 1					W-ECT-04	5B (W-MJS-001)	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
617	Mixe	ed Wetland Hardw	roods		Impact		
Basin/Watershed Name/Number Affect	ed Waterbody (Clas	ss)	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 su	urface water, uplar	nds			
This Forested Wetland is part of a la transmissi	• •		eyond the survey a hydrologic flow has		•	npasses and existing	
Assessment area description							
This wetland is characterized as foreste to the west and					orth and south and m al drainage patterns.	ixed wetland hardwoods	
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation to	the regional landscape.)	
Orange P	ond				Not Unique		
Functions			Mitigation for prev	vious į	permit/other historic u	se	
BIOLOGICAL: Amphibian breeding; wading bird feeding; so PHYSICAL/CHEMICAL: Water quality treatment; sediment/ero retention/deter	sion control; recharge/dischar						
Anticipated Wildlife Utilization Based on Literature I representative of the assessment area and reasona			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	is tracl	ks, droppings, casing	s, nests, etc.):	
None							
Additional relevant factors:							
None							
Assessment conducted by:			Assessment date	e(s):			
Michael Savage / David Flake ECT Inc.			5-Nov-18				

ecies. Discharges from t wnstream habitats. Wild	Application Number Assessment conducted by: Michael Savage / David Flak Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal le wetland fu ther southea flow impedir y directing fi	Assessment date nimal (4) evel of support of /surface water unctions ast, providing mod nents, and likely p rom surrounding fo	11/5/2018 Not Preser Condition is insu provide wetland water funct	nt (0) ufficient to d/surface tions wildlife penefits to p invasive
ondition is optimal and fully supports vetland/surface water functions The system is part of a l ecies. Discharges from t wwnstream habitats. Wild	Michael Savage / David Flak Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions larger NWI wetland leading fur this wetland are not limited by the state of the second s	Minimal le wetland fu ther southea flow impedir y directing fi	nimal (4) evel of support of /surface water unctions ast, providing mod nents, and likely p rom surrounding fo	11/5/2018 Not Preser Condition is insu provide wetland water funct	ufficient to d/surface tions wildlife penefits to p invasive
ondition is optimal and fully supports vetland/surface water functions The system is part of a l ecies. Discharges from t wwnstream habitats. Wild	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal le wetland fu ther southea flow impedir y directing fi	evel of support of /surface water unctions ast, providing mod nents, and likely p rom surrounding fo	Not Preser Condition is insu provide wetland water funct	ufficient to d/surface tions wildlife penefits to p invasive
ondition is optimal and fully supports vetland/surface water functions The system is part of a l ecies. Discharges from t wwnstream habitats. Wild	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal le wetland fu ther southea flow impedir y directing fi	evel of support of /surface water unctions ast, providing mod nents, and likely p rom surrounding fo	Condition is insu provide wetland water funct derate benefits for provide moderate b prested areas. No	ufficient to d/surface tions wildlife penefits to p invasive
ondition is optimal and fully supports vetland/surface water functions The system is part of a l ecies. Discharges from t wwnstream habitats. Wild	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal le wetland fu ther southea flow impedir y directing fi	evel of support of /surface water unctions ast, providing mod nents, and likely p rom surrounding fo	Condition is insu provide wetland water funct derate benefits for provide moderate b prested areas. No	ufficient to d/surface tions wildlife penefits to p invasive
ecies. Discharges from t wnstream habitats. Wild	this wetland are not limited by t dlife access is not limited in an	flow impedir y directing fi	ments, and likely p rom surrounding fo	provide moderate borested areas. No	penefits to p invasive
ghtly altered from mainta indication of water qualit		s appear ap uite of specie lo adverse o	propriate to suppo e present, and due changes in the wat	ort obligate wetland to its location wit	d species. thin a large
nvasive flora was observ	ved. Topographic features are ecies throughout. Conversion	near optima to herbaced	I with the presence	e of vertical hetero	ogeneity
Preservation adjustment (0 - 1, 0.1 increments) =	factor				
<b>-</b> · · · · ·			-		
	a is dominated by a der vasive flora was observ porting a diversity of sp [If preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de [If mitigation Time lag (t-factor) (sec	a is dominated by a dense canopy (Nyssa), no preval- vasive flora was observed. Topographic features are porting a diversity of species throughout. Conversion understor If preservation as mitigation, Preservation adjustment factor (0 - 1, 0.1 increments) = Adjusted mitigation delta = 0 If mitigation Time lag (t-factor) (see tables) = 1 Risk factor (1 - 3, 0.25 1	is dominated by a dense canopy (Nyssa), no prevalent sub-candivasive flora was observed. Topographic features are near optimal porting a diversity of species throughout. Conversion to herbaced understory species.         If preservation as mitigation,         Preservation adjustment factor         (0 - 1, 0.1 increments) =         Adjusted mitigation delta =         If mitigation         Time lag (t-factor) (see tables) =         1         Risk factor (1 - 3, 0.25	If preservation as mitigation,       For impact assess         Preservation adjustment factor       0         If mitigation       For mitigation delta =         If mitigation       For mitigation assess         Time lag (t-factor) (see tables) =       1         Risk factor (1 - 3, 0.25       1	If preservation as mitigation,       For impact assessment areas         Preservation adjustment factor       0         If mitigation       For mitigation assessment areas         RFG = delta/(t-factor x risk)       For mitigation x risk)

Site/Project Name		Application Numbe	ber Assessment Area Name or Number			e or Number		
NFRC Phase 1					W-ECT-04	6 (W-MJS-002)		
FLUCCs code	Further classifica	tion (optional)		Impact	t or Mitigation Site?	Assessment Area Size		
617	Mixe	ed Wetland Hardw	oods		Impact			
Basin/Watershed Name/Number Affect	ed Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)					
Geographic relationship to and hydrologic	c connection with	wetlands, other su	other surface water, uplands					
This Forested Wetland is located or transi		•	s bordered to the tered hydrologic flo		•	s well as an existing		
Assessment area description								
This wetland is characterized as forested hardwood swamp surrounded by forested residential upland to the north and south, mixed wetland hardwoods to the east and Parnell Road to the west. The elevated road and utility corridor have affected natural drainage patterns as well as wildlife access.								
Significant nearby features			Uniqueness (conside	ering the	e relative rarity in relation t	the regional landscape.)		
None		Not Unique						
Functions			Mitigation for prev	vious p	permit/other historic u	se		
BIOLOGICAL: Amphibian breeding; wading bird feeding; sa	andhill crane feeding; and rep	tile (snake) feeding						
PHYSICAL/CHEMICAL: Water quality treatment; sediment/eros retention/deter		ge; detrital export; flood						
Anticipated Wildlife Utilization Based on Literature F representative of the assessment area and reasona			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, wood marsh rabbit, white tailed o		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 o	other signs such a	is track	s, droppings, casing	s, nests, etc.):		
		Deer Tra	cks					
Additional relevant factors:								
None								
Assessment conducted by:			Assessment date	e(s):				
Michael Savage / David Flake ECT Inc.			5-Nov-18	<u>∖</u> -/-				

Site/Project Name		Application Number		Assessment Area	a Name or Number	
NFRC Pr	nase 1				-046 (W-MJS-002)	
Impact or Mitigation		Assessment conducted by:		Assessment date	:	
Impa	ct	Michael Savage / David Flak	e ECT Inc.		11/5/2018	
				nimal (4)		(0)
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) 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	Not Present Condition is insuff provide wetland/s water function	ficient to surface		
.500(6)(a) Location and Landscape Support w/o pres or current with 5 4	the feature provides min impediments to the east,	rt of a larger system. Due to its imal benefits for wildlife specie and likely provide moderate b version from forested to herbac	es. Discharg enefits to de	ges from this wetla ownstream habitat	nd are not limited by s. No invasive flora	y flow
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 4 4	Parnell Road to the west, flo degradation based on the s	sent (high water table, stained ws appear appropriate to supp suite of specie present, howeve aputs to the system. No advers conversion to	oort obligate er, stormwa se changes	wetland species. ter runoff from the in the water enviro	No indication of wat roadside ditch is a	er quality potential
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 3	Area is dominated by canop flora was observed. Topogr	by (Quercus), no prevalent sub raphic features are near optim hout. Conversion to herbaced spe	al with the p	resence of vertica	I heterogeneity supp	porting a
Score = sum of above scores/30 (if uplands, divide by 20)current or w/o preswith0.50.37	If preservation as mitig Preservation adjustment (0 - 1, 0.1 increments) = Adjusted mitigation de	factor		For impact assess delta x acres = 0.7		
Delta = [with-current]	If mitigation Time lag (t-factor) (see Risk factor (1 - 3, 0.25			for mitigation asse = delta/(t-factor x		
-0.13	increments) =	1	=			